ESSAYS
ON THE
LANGUAGES, LITERATURE, AND RELIGION
OF NEPAL AND TIBET:
TOGETHER WITH FURTHER PAPERS ON THE
GEOGRAPHY, ETHNOLOGY, AND COMMERCE
OF THOSE COUNTRIES.

BY
B. H. HODGSON, Esq.
HONORARY MEMBER OF THE GERMAN ORIENTAL SOCIETY;
CORRESPONDING MEMBER OF THE FRENCH INSTITUTE; CHEVALIER OF THE LEGION OF HONOUR;
MEMBER OF THE ASIATIC SOCIETIES OF CALCUTTA, LONDON, AND PARIS; OF THE
ETHNOLOGICAL AND ECOLOGICAL SOCIETIES OF LONDON; AND
LATE BRITISH MINISTER AT THE COURT OF NEPAL.

Reprinted, with Corrections and Additions, from "Illustrations of the Literature and Religion
of the Buddhists," Scramgore, 1841; and "Selections from the Records of the

LONDON:
TRÜBNER & CO., 57 & 59 LUDGATE HILL.
1874.
[All rights reserved.]
WHEN Professor J. Summers was about to start the Phoenix, a monthly magazine for China, Japan, and Eastern Asia, the first number of which appeared in July 1870, he solicited and obtained permission of Mr B. H. Hodgson to reprint in it those contributions of his to the "Journal of the Bengal Asiatic Society," which bear on the ethnology, languages, and religion of Tibet and Nepal. The plan Professor Summers had in view is sketched out in the following editorial note with which the series of reprints is prefaced:—

"The present and following papers (to be given in successive numbers of the Phoenix) are from the pen of Mr Brian H. Hodgson, and originally appeared in the Bengal Asiatic Society's Journal, between the years 1828 and 1838. Upon the subject of ethnology, Mr Hodgson's views have since that time been improved and extended, and we purpose, when we have completed the present series of papers, chiefly devoted to Buddhism, to reproduce in the Phoenix those improved and extended views of Tibetan and Nepalese races and languages, from No. 27 of 'Selections from the Records of the Government of Bengal,' wherein they were published in the year 1857. But those 'Selections' form a work even more inaccessible to men of letters in Europe than the 'Journal of the Bengal Society;' and we believe, therefore, that we shall be doing a service to the learned of Europe by making Mr Hodgson's researches into northern Buddhism and ethnology more generally and easily accessible."—Phoenix, vol. i. p. 43.

Mr Hodgson's "improved and extended views," so far as Buddhism is concerned, were found embodied in numerous marginal notes in his own copy of the "Illustrations of the Literature and Religion of the Buddhists" (Serampore, 1841). In the same way many manuscript additions were made by him in his own copy of the "Selections." All these corrections and additions have been introduced into the text of the present reprint, though they represent, as is only just to Mr Hodgson to state, various phases of his views, ranging over a period of nearly thirty years.

Professor Summers further proposed to Mr Hodgson to issue these reprints in a collected form as a separate publication, to which proposition the latter gave his ready consent.

At p. 96 of vol. ii. of the Phoenix the reprints from the "Selections" commence, and proceed pari passu with those from the "Illustrations" to p. 26 of
vol. iii., where the last article of the latter (on the Pravrajyā Vrata) terminates. In consequence of this arrangement, the Editor of the present work found it necessary to begin a fresh pagination with the Second Part. References to this part have, therefore, in the index been marked by a II. prefixed to the Arabic figure, showing the page.

Eight pages of the papers on the Commerce of Nepal were remaining to be set up when Professor Summers' acceptance of an appointment in Japan put a stop to the publication of the *Philiz*, and to the completion of the separate re-issue in accordance with his original design. Under these circumstances, it was thought best to place the materials, as left by Mr Summers on his departure, in the hands of Messrs Trübner & Co., with a view to their eventual publication. Only the above-mentioned article has subsequently been completed.

On comparison with the two former collective publications, the present one will be found to have excluded three short articles contained in the "Illustrations" (IX. Remarks on an Inscription in the Rancha and Tibetan characters; X. Account of a Visit to the Ruins of Simroun; XII. Extract of Proceedings of the Royal Asiatic Society), which were considered as of a sufficiently ephemeral nature to be omitted, and articles IV., V., and XI. 1. 2. of the "Selections" (Route from Kathmándú to Darjeeling; Route of Nepalese Mission to Pekin; Some account of the systems of Law and Police as recognised in the State of Nepal; and on the Law and Legal Practice of Nepal, as regards familiar intercourse between a Hindu and an Outcast). These last-mentioned would in due course have appeared in the *Philiz*, and have been incorporated in the separate reprint, but for the sudden discontinuance of that magazine. This is more especially to be regretted in the case of the papers on Nepalese Law, which still remain the only trustworthy source of information on that subject. The same may, in fact, be said of most other papers by Mr Hodgson, especially those on the Tribes and Languages of the Northern Non-Aryans adjacent to India, which are scattered over periodicals now scarce and little accessible, and would be well worth preserving in a collected form, inasmuch as on all these questions, both those treated of in the present volume and those bearing on the ethnology and glossology of the Himalayan tribes, he has almost exclusively remained master of a field of research in which he had been the first to break ground.

The foregoing statement will explain the somewhat ungainly form of the present publication, without, however, it is hoped, detracting from its substantial usefulness, as placing within the reach of scholars matter which few of them have means or opportunity to consult in the "Journal of the Bengal Asiatic Society," or in the "Selections from the Records of the Government of Bengal."

Should the present volume be favourably received, the remaining papers of Mr Hodgson will probably be given in another volume or two.
CONTENTS.

PART I.

ON THE LANGUAGES, LITERATURE, AND RELIGION OF NEPAL AND TIBET.

I. Notices of the Languages, Literature, and Religion of Nepal and Tibet. 
   "Illustrations of the Literature and Religion of the Buddhists;"
   Serampore, 1841, p. 1] .......................... 1

II. Sketch of Buddhism, derived from the Buddhist Scriptures of Nepal 
    ["Transactions of the Royal Asiatic Society," vol. ii. (1828), p. 222,

III. Quotations from Original Sanskrit Authorities in proof and illustration of 
     the preceding article ["Journal of the Bengal Asiatic Society,

IV. European Speculations on Buddhism ["Journal of the Bengal Asiatic 
     p. 136] ........................................ 96

V. Remarks on M. Remusat's Review of Buddhism ["Journal of the Bengal 
     "Illustrations," p. 144 and p. 152] .................................. 102

VI. Note on the Inscription from Sarnath ["Journal of the Bengal Asiatic 
     p. 158] ........................................ 111

VII. Notice of Adi Buddha and of the Seven Mortal Buddhas ["Journal of the 
      "Illustrations," p. 164] ........................................ 115

VIII. Note on the Primary Language of the Buddhist Writings ["Journal of 
      the Bengal Asiatic Society," vol. vi. (1837), p. 682. Reprinted in 
      "Illustrations," p. 180] ........................................ 120
CONTENTS.


XI. The Pravrajya Vrata or Initiatory Rites of the Buddhists, according to the Pâjâ Khanda ["Illustrations," p. 212] .................................................. 139

PART II.


INDEX. ................................................................................................................................................. 122
LIST OF ADDITIONS AND CORRECTIONS.

PART I.

Page 3, line 14, at languages, add foot note, "see on to pp. 29-36."

8, note "is," misplaced, belongs to the word "Buddha," four lines lower.

15, for "Najm," read "Vajra."

19, note. For "see No. 15" read "see on to the Pravrajya Vrata," p. 129, et al.

21, for "list of Bhotiya books" read "list (that of Bhotiya books.)"

20, for "emigration" read "immigration."

22-32, heading of all, for "religion of Bhot" read "religion of Nepál."

33, heading, erase "List of Buddhist works."

34, for the same heading read "List of Jathágatas."

23, note, for "ought" read "sought."

24, line 19, for "and" read "an."

25, 8 lines from bottom, for "meditation" read "mediation."

26, 6 lines from bottom, for "articular" read "particular."

30, line 14, for "Dharma" read "Dhyāni."

39, 1 line from bottom, for "were sent" read "sent by me to Royal Asiatic Society."

49, line 12 from bottom, at the word "them," insert the footnote "11": "This is probably an error. Sakya taught orally; but his immediate disciples (Kasyapa, Ananda, and Upáli) reduced his doctrines to writing."

52, line 10 from top, for "bhikshari" read "Khikshari."

60, line 14 from top, for "are" read "is."

60, line 18, after "reduced" read "them."

89, line 9 from top, for "mortals" read "moral."

93, erase the whole of the Dwiamnaya and Triamnaya, and substitute as follows:—

Dwiamnaya.

<table>
<thead>
<tr>
<th>Upáya</th>
<th>Prajñā</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buddh.</td>
<td>Dharma.</td>
</tr>
<tr>
<td>Dharma.</td>
<td>Sangha.</td>
</tr>
</tbody>
</table>

The first is theistic; the second, atheistic.

Triamnaya.

<table>
<thead>
<tr>
<th>Upáya</th>
<th>Prajñā</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buddh.</td>
<td>Dharma.</td>
</tr>
<tr>
<td>Dharma.</td>
<td>Sangha.</td>
</tr>
</tbody>
</table>

The first and third of this series are theistic (diverse); the second is atheistic.

Buddha=Upáya, Dharma=Prajñā.

98, in note, 4 lines from bottom, for "pp. 137-9 of vol. i." read "for full list of Sanskrit works, see pp. 36-39 aforegone."

101, note "is," Add to note, "The identity in question has since been upheld by Cunningham, Wilson (of Bombay), Chapman (of Madras), and Colonel Yule."
X

LIST OF ADDITIONS AND CORRECTIONS.

Page 102, at word "published," in last line, add footnote "‡" "These drawings have since been presented to the French Institute."

116, in note, line 10 from bottom, for "above" read "about."

126, at title, add as footnote "‡" "From Royal Asiatic Society's Transactions, vol. ii., dated July 11, 1829."

133, at title, add footnote "‡" "From Oriental Quarterly Magazine, No. III. A.D. 1827."

139, at title, add footnote "§" "From volume on Buddhism, printed at Serampore A.D. 1841."

140, line 5 from bottom, for "Pravra" read "Pravrajya."

141, note, for "Gardhar" read "Gandhar."

142, add to the note, "See enumeration of all the principal objects of Buddhist worship above given," pp. 93-96.

PART II.

Page 12, line 9, for "reach" read "reaches.

13, lines 19 and 23, complete the brackets after 4000 and after et cft.

14, line 1, for "Lescha" read "Lepcha;" line 5, for "Kayu" read "Vayu;" line 10, for "Leshu" read "Lepcha;" line 19, after "craftmen," add, "of which the names are as follows:—In the mountains. In the valley."

14, line 5 from bottom in note, for "Tharur" read "Thar, and bracket the words, "not own name," and also the word "Sallyan." Add to note, "Many of the Awainas will be found spoken of in the paper on Niyakot, herein given."


17, line 13, for "viverrula" read "viverricula." Last line, for "Galophasia" read "Galophasia."

19, line 11, for "to" read "too."

21, let the words at bottom of diagram run all through.

25, line 14, for "plateau" read "plateaux."

29, line 6 from bottom, at word "omitted," add footnote, "In the 'Bengal Asiatic Journal' for June 1848, may be seen a sample of the Khas tongue."

29, line 3 from bottom, at words "broken tribes," add footnote, "See a paper thereon expressly, in the sequel of this work."

30, line 8 from top, add footnote "§" "For the tribes East of Bhutan, round Assam, and thence down the Indo-Chinese frontier, see papers in the sequel."

31, in note, for "4500" read "4000."

32, line 9, after "Dravidian," add, "Mundarian or Hô-Sontal."

32, line 11, at word "dialects," add, "See them, as heretofore annexed."

33, line 3, at word "weavers," add footnote, "See list of them aforesaid, at p. 14."

34, for "4500-4700" read "4000."

39, line 7, for "caste" read "cast."

40, line 4 from top, for "some" read "about 100."

46, line 1, for "already" read "always."

46, line 5 from top, at word "Kusunda," add footnote as follows, "‡:" "Since accomplished, and the result given hereinafter in the paper on the broken tribes."

46, line 8 from bottom, at word "Haiyu," erase note "§," and substitute "Hayu, Hayu, vel Vayu." For more on this tribe, see Treatise hereinafter given on the Vayu and Bahing.
LIST OF ADDITIONS AND CORRECTIONS.

Page 53, the headings, for "Tibetan" read "Chepang;" and for "Shopa" read English.

57, line 4 from bottom, at word "Denwar," add in footnote "†," "See paper on broken tribes, before referred to."

60, line 14 from bottom, for "dialect" read "dialects;" and add footnote: "See paper on broken tribes, complete vocabulary of these tongues, and compare 13, 14 supra, Part II."

61, line 14 from top, for "overhang" read "overhanging."

65, line 7 from top, at word "tongues" add footnote "†," "See the former instance here alluded to, in the paper on the Caucasian affinities of the Tibetans as given in the sequel."

65, line 7 from bottom, for "Trochu" read "Thocbu," and last line, for "Khor" read "Hor."

66, line 15 from top, at word "Kuenlun" add footnote, "Is not the khorum the western prolongation of the Nyenchhen, and distinct from the Kuenlun, though curving up to it on nearing the Pamer?"

67, line 12 from bottom, at word "Pekin," add as footnote, "See this itinerary hereinafter given."

69, line 1, at word "Indoahinese," add footnote, "The paper on the Indo-Chinese borderers herein."

69, line 20, at word "Caucasus" add footnote, "See paper on these affinities in the sequel."

72, in note, for "tribunal" read "tribe."

76, add to second note, "They are given as corrected in the sequel."

85, line 9 from bottom, erase the repeated "no end. Line 7, for "drawback" read "drawbacks."

87, for "weed" read "weeds."

88, three lines from bottom, for "an" read "any."

89, before "timber" insert "tea," and add the following footnote "†:"—"The growth of tea in the lower region, and its sale in Tibet as well as in the plains, are now affording great and increasing means of profitable employment to settlers."

93, note "†. For "1832" read "1831," and add at the end of this note: "The trade papers in question are given in the sequel; and observe that the tea trade with Tibet is now adding greatly to our means of successful competition with Russia."

96, note, last line but one, for "whp" read "why."

98, 4 lines from bottom, at the word "rupees," add in footnote: "See note †, in next page."

97, line 22 from top, for "or Takyeul" read "and Takyeul;" and for "line of transit" read "lines of transit."

98, line 13, after "Kothees," add "or houses of business firms."

100, line 14 from bottom, for "th" read "the."

113, line 3 from top, at the word "assertion," add note as follows:—"To judge from the statements lately made (1872) by a member of the British Embassy in Nepál, it would seem that the present condition of Nepál's commerce with us, as well as that of ours with her, calls loudly for the attention of our Government."—

Note of 1873.
PART I.

ON THE LANGUAGES, LITERATURE, AND RELIGION OF NEPAUL AND TIBET.

Within the mountainous parts of the limits of the modern kingdom of Nepaul, there are thirteen distinct and strongly-marked dialects spoken. These are the Khas or Parbattia, the Magar, the Gurung, the Sunwar, the Kachari, the Haiyu, the Chepang, the Kasunda, the Mürmi, the Newari, the Kiranti, the Limbu, and the Lapachan.

With the exception of the first (which will be presently reverted to) these several tongues are all of Trans-Himalayan stock, and are closely affiliated. They are all extremely rude, owing to the people who speak them having crossed the snows before learning had dawned upon Tibet, and to the physical features of their new home (huge mountain barriers on every hand) having tended to break up and enfeeble the common speech they brought with them.

At present the several tribes or clans to which these dialects are appropriated, can hardly speak intelligibly to each other, and not one of the dialects, save the Newari or language of Nepaul Proper (and the Lapcha, which with the Limbu belongs now to Sikim), can boast a single book, or even a system of letters, original or borrowed. The Newari has, indeed, three systems of letters, of which more will be said in the sequel; and it has also a small stock of books in the shape of translations and comments from and upon the sacred and exotic literature of the Newars. But the Newari tongue has no dictionary or grammar; nor is its cultivation ever thought of by those, numerous as they are, who devote their lives to the sacred literature of Buddhism.

It may be remarked, by the way, that the general and enduring effects of this addiction to an exotic medium, in preference to the vernacular, have been, to cut off the bridge leading from speculation to practice, to divorce learning from utility, and to throw a veil of craftful mystery over the originally popular and generous practical Institutes of the religion this people profess.

Before proceeding to a brief comparison of Newari and of the language of Tibet, with a view to indicate the Northern stock of the former tongue, it will be better to notice the Khas or Parbattia Bhasha, since the subject may be dismissed in a few words, and will not need reverence to.

The only language of Southern origin spoken in these Hills is the Khas or Parbattia—an Indian Prakrit, brought into them by colonies from below (twelfth to

* For these languages, see on to the Paper at p. 29 of Part II., “On the Aborigines of the Himalaya,” with its annexed “Comparative Vocabulary.”
THE LANGUAGES OF NEPAUL.

fifteenth century of Christ) and now so generally diffused, that, in the provinces West of the Kali river, it has nearly eradicated the vernacular tongues, and, though less prevalent in the provinces East of that river, it has, even in them, as far as the Trisul Ganga, divided the empire of speech almost equally with the local mother tongues. The Parbattia language is terse, simple, sufficiently copious in words, and very characteristic of the unlettered but energetic race of soldiers and statesmen who made it what it is. At present it is almost wholly in its structure, and in eight-tenths of its vocables, substantially Hindee. Yet several of its radical words still indicate an ancient barbarous stock. And I have no doubt that the people who more especially speak it (the Khas) were originally what Menu calls them, viz., barbarous mountaineers of a race essentially the same with the several other races of Nepalese Highlanders. Few persons except Brahmans and professional scribes or Khardars are regularly taught the Parbattia language; but most gentlemen speak, and many read and write it with ease and correctness; the court where all so often assemble, being the nucleus of unity and refinement. This language, however, has no literature properly so called, and very few and trivial books. It is always written in the Devanagari characters, and, as a language of business, is extremely concise and clear.

The Gorkhalis speak the Parbattia Bhasha, and to their ascendency is its prevalence, in later times, to be mainly ascribed.

Considering that Nepal Proper, or the country of the Newars, has long been the metropolis of Gorkhali power, it is rather remarkable that the fashionable and facile Parbattia has not made any material impression on the Newari language. The causes of this (not wholly referable to modern times) are probably, that the fertility and facility of communication characterizing the level country of the Newars, soon gave consistency and body to their speech, whilst their religion (Buddhism) made them look with jealousy, as well on the more ancient Hindoo immigrants, as on the more modern Hindoo conquerors. In the mountainous districts, strictly so called, the case was different; and, besides, from whatever reason, the tide of immigration into these regions from the South set chiefly on the provinces west of the Trisul Ganga. There too, to this day, Brahmanical Hindooism principally flourishes, its great supporters being the Khas, and, next to them, the Magars and Gurungs. Those southern immigrants were refugees from Moslem bigotry; and were so numerous as to be able to give the impress of their own speech and religion to the rude and scattered highlanders. The prior establishment of Buddhism in Nepal Proper prevented these Brahmanical southern from penetrating there, where, however, ages before, some southern had found a refuge. These latter were Buddhists, fleeing from Brahmanical bigotry. They came to Nepal Proper about two centuries after Christ. Buddhism had previously been established therein, and these immigrants were too few to make a sensible impression on the speech or physiognomy of the prior settlers, already a dense and cultivated population. It is difficult to chronologize these events. But apparently the Sakavans came into Nepal when Kapila was destroyed by the King of Kosala.
THE LANGUAGES OF NEPAUL.

For the rest, the population of the kingdom of Nepal is principally Buddhist; preferring for the most part the Tibetan model of that faith: the Newars are the chief exception, and the vast majority of them are Buddhists, but not Lamites. Between the Buddhism of Tibet and that of Nepal Proper, (or of the Newars) the differences are,

1st. That the former still adheres to, whilst the latter has rejected, the old monastic institutes of Buddhism; 2nd. that the former is still, as of old, wholly unperplexed with caste; the latter, a good deal hampered by it; and that, lastly, the Tibetan Buddhism has no concealments, whilst the Nepalese is sadly vexed with a proneness to withhold many higher matters of the law from all but chosen vessels.

CONNEXION OF THE LANGUAGE OF NEPAUL PROPER WITH THAT OF TIBET.

I proceed now to indicate that affinity of the language of the Newari to the language of the Tibetans which I have already adverted to. I had extended this vocabulary (in an amplified form) to the whole of the languages above-mentioned: but the results were, for several reasons, liable to question in detail, so that I prefer holding them back for the present, though there can be no doubt of the general facts, that these dialects are of northern origin, and are closely connected.

The language of Nepal Proper or the Newari, has, as already intimated, much in common with that of Bhot or Tibet. It is however, a poorer dialect than that of Lassa and Digarchi; and it has, consequently, been obliged to borrow more extensive aid from Sanskrit, whilst the early adoption of Sanskrit as the sole language of literature has facilitated this infusion. The following is a comparison of a few terms:—

<table>
<thead>
<tr>
<th>English</th>
<th>Newari</th>
<th>Bhotiya</th>
</tr>
</thead>
<tbody>
<tr>
<td>God.</td>
<td>(S) Bhagawan.</td>
<td>Lhá.</td>
</tr>
<tr>
<td>Man.</td>
<td>(S) Manno, or Mijan.</td>
<td>Khiyoga.</td>
</tr>
<tr>
<td>Woman.</td>
<td>Missá. †</td>
<td>Pemi, Kemi.</td>
</tr>
<tr>
<td>Quadruped.</td>
<td>(S) Pasu, Pepanchu.</td>
<td>Tendú.</td>
</tr>
<tr>
<td>Air.</td>
<td>(S) Phoy.</td>
<td>Lha-phü and Lhawa.</td>
</tr>
<tr>
<td>Earth.</td>
<td>Chá.</td>
<td>Sha.</td>
</tr>
<tr>
<td>The Moon.</td>
<td>(S) Chandrama.</td>
<td>Dawa.</td>
</tr>
<tr>
<td>A River.</td>
<td>Khusai.</td>
<td>Changbo</td>
</tr>
<tr>
<td>Father</td>
<td>Boba and Opju.</td>
<td>Ava and Aba</td>
</tr>
<tr>
<td>Mother</td>
<td>Má</td>
<td>Amma</td>
</tr>
</tbody>
</table>

*The (S) indicates a Sanskrit origin. †Mi-sa woman, mi-jan man, from the Tibetan root mi 'man.'
<table>
<thead>
<tr>
<th>English</th>
<th>Newari</th>
<th>Bhotiya</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grandfather</td>
<td>Adjhu</td>
<td>Adži</td>
</tr>
<tr>
<td>Grandmother</td>
<td>Adjhamá</td>
<td>Namá? Píza. Bú</td>
</tr>
<tr>
<td>A Child</td>
<td>Mocha</td>
<td>Phú</td>
</tr>
<tr>
<td>A Boy</td>
<td>Kay Mocha and Bhajú</td>
<td>Pamú</td>
</tr>
<tr>
<td>A Girl</td>
<td>Miah Mochu and Mejú</td>
<td>Aghu</td>
</tr>
<tr>
<td>Uncle</td>
<td>Kakka</td>
<td>Ibh, Asa</td>
</tr>
<tr>
<td>Aunt</td>
<td>Mamma</td>
<td></td>
</tr>
<tr>
<td>Summer</td>
<td>(S) Tépullá</td>
<td>Chapaha</td>
</tr>
<tr>
<td>Winter</td>
<td>Chilla</td>
<td>Gun? Khyabu</td>
</tr>
<tr>
<td>Grain</td>
<td>(S) Ann</td>
<td></td>
</tr>
<tr>
<td>Rice</td>
<td>Jaki, Wá</td>
<td>Brá</td>
</tr>
<tr>
<td>Wheat</td>
<td>Cho</td>
<td>Tho</td>
</tr>
<tr>
<td>Barley</td>
<td>Tacho</td>
<td></td>
</tr>
<tr>
<td>Marriage</td>
<td>(S) Biáh</td>
<td>Páma</td>
</tr>
<tr>
<td>Birth</td>
<td>Macha-Bullo</td>
<td>Kesin.</td>
</tr>
<tr>
<td>Death</td>
<td>Sito</td>
<td>Lhesin.</td>
</tr>
<tr>
<td>A House</td>
<td>Chén</td>
<td>Khim.</td>
</tr>
<tr>
<td>A Stone</td>
<td>Lohu</td>
<td>Ghara? To. Do.</td>
</tr>
<tr>
<td>A Brick</td>
<td>Appa</td>
<td>Arpa.</td>
</tr>
<tr>
<td>Temple</td>
<td>(S) Dewá</td>
<td>Lha-Kang.</td>
</tr>
<tr>
<td>An Image</td>
<td>Kata Mallí, Patíma</td>
<td>Toto, Thu.</td>
</tr>
<tr>
<td>A Bridge</td>
<td>Ta and Taphu</td>
<td>Sambá.</td>
</tr>
<tr>
<td>A Tree</td>
<td>Sima</td>
<td></td>
</tr>
<tr>
<td>A Leaf</td>
<td>Sihau and Hau</td>
<td>Ston-bá or Tongbá</td>
</tr>
<tr>
<td>A Flower</td>
<td>Swang</td>
<td>Loma or Lapti.</td>
</tr>
<tr>
<td>A Fruit</td>
<td>Si</td>
<td>Meto, or Mendo.</td>
</tr>
<tr>
<td>A Horse</td>
<td>Sallo</td>
<td>Brebú.</td>
</tr>
<tr>
<td>A Bull</td>
<td>Doho</td>
<td>Tapu or Tábá.</td>
</tr>
<tr>
<td>A Cow</td>
<td>Mása and Sá</td>
<td>Sandhi.</td>
</tr>
<tr>
<td>A Buffalo</td>
<td>Mía</td>
<td></td>
</tr>
<tr>
<td>A Dog</td>
<td>Khicha</td>
<td>Mye.</td>
</tr>
<tr>
<td>A Cat</td>
<td>Bhow</td>
<td>Khigo or Khibo.</td>
</tr>
<tr>
<td>A Jackal</td>
<td>Dhong</td>
<td>Guré.</td>
</tr>
<tr>
<td>A Sister</td>
<td>Kihin</td>
<td>Kipchang.</td>
</tr>
<tr>
<td>A Brother</td>
<td>Kinjá</td>
<td>Chamu? Numu.</td>
</tr>
<tr>
<td>Own Family</td>
<td>Thajho and Tha Mannu</td>
<td>Chou? Gnú.</td>
</tr>
<tr>
<td>Kinsfolk</td>
<td>Phuki</td>
<td>Pin.</td>
</tr>
<tr>
<td>Strangefolk</td>
<td>Kato &amp; Miah-Ping</td>
<td>Phebin.</td>
</tr>
<tr>
<td>The Head</td>
<td>Chong</td>
<td>Chomi.</td>
</tr>
<tr>
<td>The Hair</td>
<td>Song</td>
<td>Wu or Go.</td>
</tr>
<tr>
<td>The Face</td>
<td>Qua</td>
<td>Tar or Ta.</td>
</tr>
<tr>
<td>The Eye</td>
<td>Mikha</td>
<td>Tongbá.</td>
</tr>
<tr>
<td>The Nose</td>
<td>Gníá</td>
<td>Mbi.</td>
</tr>
<tr>
<td>The Mouth</td>
<td>Mhutu</td>
<td>Gná.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kha.</td>
</tr>
</tbody>
</table>
THE LANGUAGES OF NEPAUL.

<table>
<thead>
<tr>
<th>English</th>
<th>Newari</th>
<th>Bhotiya</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Leg.</td>
<td>Túti.</td>
<td>Kangba.</td>
</tr>
<tr>
<td>A Month.</td>
<td>Lá.</td>
<td>Lá-wa.</td>
</tr>
<tr>
<td>A Year.</td>
<td>Da'tchi.</td>
<td>Lochik.</td>
</tr>
<tr>
<td>Day.</td>
<td>Gni or Nhi.</td>
<td>Nain, Nyi-n-mo.</td>
</tr>
</tbody>
</table>

With regard to the Newari words, I can venture to say they may be relied on, though they differ somewhat from Kirkpatrick's, whose vocabulary, made in a hurry, exhibits some errors, especially that of giving Sanskrit words instead of the vernacular. It is remarkable that the Newars, (those that pretend to education, and those who are wholly illiterate), are apt to give a stranger, a Sanskrit, instead of their own Newari, name for any object to which their attention is called for the purpose of naming it. This habit owes its origin to the wish to be intelligible, which the Newars know they cannot be in speaking their own tongue. The real poverty of the Newari is, also, no doubt, another cause, and its want of words expressive of general ideas: thus, Creation, God, have no Newari names, and the Sanskrit ones have therefore been borrowed of necessity: the like is true of the word Mankind, for which, as well as for the two former words, I have not been able, after great pains, to obtain any vernaculars. When a Newar would express the idea of God, without resorting to Sanskrit, he is driven to periphrases, and says Adjhi Deo, which word is compounded of Adjhu, a Grandfather, and Deo; and thus, by reverence for ancestors, he comes to reverence his maker, whom he calls, literally, the father of his father, or the first father. I am quite aware the foregoing and following meagre examples of Newari will not go far to establish the affinity of this language. The subject must be reserved for the future; but, in the mean time, I may observe that the northern stock, and intimate affinity of Newari and of the other dialects before enumerated, (excepting the Khas or Parbattia), are written as palpably upon the face of these languages as upon the physiognomy and form of the races who speak them.

As for the Bhotiya words, I cannot wholly vouch for them, few as they are, having obtained them from a Lama, who was but little acquainted with Newari or Parbattia. The majority are, I believe, sufficiently accordant with the Lhasa model, but some may be dialectically corrupted. Still, however, they will equally serve, (as far as they go), to illustrate my assertion that the root and stock of Newari are Trans-himalayan and northern; for there are many dialects on both

* Lappam, (almost identical with the Bhotiya Lakpa) means the true arm, or upper half of the limb. Laha means the whole.
sides of the snows, and some of the inferior Tibetan dialects may, very probably, come nearer to Newari than the best, or that of Lhasa.

The twelfth word in the Newari column, Water, is given according to the sub-dialects of the Valley. Water is Lo at Patan, Luk at Katmandu, and Gnā at Bhatgong; these places being the capitals of as many kingdoms before the Gorkha conquest, though situated in very close vicinity to each other.

With respect to the numerals of the decimal scale, the resemblance is strikingly close.

**Numerals.**

<table>
<thead>
<tr>
<th>Bhotiya</th>
<th>Newari</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Chi</td>
<td>Chi</td>
</tr>
<tr>
<td>2. Gni</td>
<td>Na Shi</td>
</tr>
<tr>
<td>3. Sum</td>
<td>Swong</td>
</tr>
<tr>
<td>4. Zhi</td>
<td>Piḥ</td>
</tr>
<tr>
<td>5. Gnah</td>
<td>Gniah</td>
</tr>
<tr>
<td>6. Tukh</td>
<td>Khu</td>
</tr>
<tr>
<td>7. Tun</td>
<td>Nha or Nhasso</td>
</tr>
<tr>
<td>8. Ghiah</td>
<td>Chiah</td>
</tr>
<tr>
<td>9. Gun</td>
<td>Gun</td>
</tr>
<tr>
<td>10. Chu (Thampa, an expletive merely.)</td>
<td>Sānho</td>
</tr>
<tr>
<td>11. Chū-chi.</td>
<td>Saran-chi</td>
</tr>
<tr>
<td>13. Chu (P.) sūm, (the letter (P) written but scarcely audibly uttered.)</td>
<td>Saran Piḥ.</td>
</tr>
<tr>
<td>20. Né shu (thampa.)</td>
<td>Ni Chi.</td>
</tr>
<tr>
<td>21. &quot; &quot; &quot;</td>
<td>Ni Nāsi.</td>
</tr>
<tr>
<td>22. &quot; &quot; &quot;</td>
<td>Ni Swong.</td>
</tr>
<tr>
<td>23. &quot; &quot; &quot;</td>
<td>Ni Piḥ.</td>
</tr>
<tr>
<td>24. &quot; &quot; &quot;</td>
<td>Ni Gniah.</td>
</tr>
<tr>
<td>25. &quot; &quot; &quot;</td>
<td>Ni Khu.</td>
</tr>
<tr>
<td>26. &quot; &quot; &quot;</td>
<td>Ni Nhi.</td>
</tr>
<tr>
<td>27. &quot; &quot; &quot;</td>
<td>Ni Chiah.</td>
</tr>
<tr>
<td>29. &quot; &quot; &quot;</td>
<td>Ni Shao.</td>
</tr>
<tr>
<td>30. Sum chu (thampa.)</td>
<td>Swi Chi.</td>
</tr>
<tr>
<td>31. &quot; &quot; &quot;</td>
<td>Swi Nāsi.</td>
</tr>
<tr>
<td>32. &quot; &quot; &quot;</td>
<td>Swi Swong.</td>
</tr>
<tr>
<td>33. &quot; &quot; &quot;</td>
<td>Swi Piḥ.</td>
</tr>
</tbody>
</table>
THE LANGUAGES OF NEPAUL.

Bhotiya. Newari.

36. Sum chu (thampa.) Swi Gniah.
36. " " " Swi Khu.
37. " " " Swi Nha.
38. " " " Swi Chiah.
40. Zhe-chu (thampa.) Swi Sánho.
41. " " " Pi Chi.
42. " " " Pi Nasi.
43. " " " Pi Swong.
50. Gna-chu (thampa.) Gniayú or Pi-Sanho, or merely by pausing on the last letter of Gniah or :5 and thus also 60, 70, &c. are formed out of 6, 7, &c.

60. Tukh-chu (thampa.) Qui.
70. Tun " Nhaiyu.
80. Gheah " Chniye.
90. Gu (P.) " Guye.
100. Gheah " Baché.
1,000. Tong-tha-che. Do-ché.
10,000. Thea. Zhi-dot.
100,000. Bum. Lak-chi.

Nor is the variation, after passing the ten, of any importance, the principle of both being still the same; that is, repetition and compounding of the ordinals; thus, ten and one, ten and two, are the forms of expression in both, and so, twice, &c. The Bhotiya word thampa, prefixed to the decimally increasing series, is a mere expletive, and often omitted in speech. The Newari names of the figures from one to ten, as given by Kirkpatrick, are not correct, and hence the difference between the Newari and Bhotiya names has been made to appear greater than it is; in fact, it seems to me, that even the little difference that remains in the present specimen may be resolved into mere modes of utterance. Although the following offer no verbal resemblances, the principle on which they are formed presents several analogies.

Bhotiya and Newari names of the twelve months.

<table>
<thead>
<tr>
<th>Bhotiya</th>
<th>Newari</th>
<th>Dagava (or Láwa) Tangbu</th>
</tr>
</thead>
<tbody>
<tr>
<td>February.</td>
<td></td>
<td>(Láwa) Gnipa.</td>
</tr>
<tr>
<td>March.</td>
<td>Chongchola or Chilla.</td>
<td>&quot; &quot; Sumba.</td>
</tr>
<tr>
<td>April.</td>
<td>Bachola or Nela.</td>
<td>&quot; &quot; Zhiba.</td>
</tr>
<tr>
<td>June.</td>
<td>Dil'la &quot; Péla.</td>
<td>&quot; &quot; Tsukpu.</td>
</tr>
<tr>
<td>December.</td>
<td>Pušla &quot; Sélá.</td>
<td>&quot; &quot;</td>
</tr>
<tr>
<td>January.</td>
<td>Sel'la &quot; Zhin'chala.</td>
<td>&quot; &quot;</td>
</tr>
<tr>
<td>February.</td>
<td>Chil'la &quot; Zhin'ñala.</td>
<td></td>
</tr>
</tbody>
</table>

Nor is the variation, after passing the ten, of any importance, the principle of both being still the same; that is, repetition and compounding of the ordinals; thus, ten and one, ten and two, are the forms of expression in both, and so, twice, &c. The Bhotiya word thampa, prefixed to the decimally increasing series, is a mere expletive, and often omitted in speech. The Newari names of the figures from one to ten, as given by Kirkpatrick, are not correct, and hence the difference between the Newari and Bhotiya names has been made to appear greater than it is; in fact, it seems to me, that even the little difference that remains in the present specimen may be resolved into mere modes of utterance. Although the following offer no verbal resemblances, the principle on which they are formed presents several analogies.
The second set of Newari names is formed merely by compounding the word La, a month, with the names of the cardinals, one, two, etc. As for the first set of names, there too we have the final La; and the prefixes are mere characteristic epithets of the seasons; thus, February is called Chilla; but Chilla means also the cold month, or winter.

The Bhotiyas, like the Newars, have no simple names for the months, but call them periphrastically the first, etc., month. Dawa and Lawa both mean a month; but in speech this word is never prefixed, save in speaking of the first Bhotiya month or February, for from February their year begins. What Tangbu means, I know not, unless it be the same with Thampa, the word that always closes the series of numbers, 10, 20, 30, etc. The names of all the others are easily explained, they being compounds of the numbers 2, 3, etc., with the syllable pá or bá—evidently the La of the Newars—postfixed.

### Newari names of the seven days of the week.

<table>
<thead>
<tr>
<th>Day</th>
<th>Name</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday</td>
<td>(S) Adhwina</td>
<td>Chanhu, Nima.</td>
</tr>
<tr>
<td>Monday</td>
<td>(S) Swomwa</td>
<td>Nenuh, Dawa.</td>
</tr>
<tr>
<td>Tuesday</td>
<td>(S) Ongwa</td>
<td>Swhonu, Mimer.</td>
</tr>
<tr>
<td>Wednesday</td>
<td>(S) Budhwa</td>
<td>Penhu, Lhákpa.</td>
</tr>
<tr>
<td>Thursday</td>
<td>(S) Bussowa</td>
<td>Gniánhu, Phóorboo</td>
</tr>
<tr>
<td>Friday</td>
<td>(S) Sukrawa</td>
<td>Khonhu, Pasang.</td>
</tr>
<tr>
<td>Saturday</td>
<td>(S) Sonchowa</td>
<td>Nhainhu, Pemba.</td>
</tr>
</tbody>
</table>

The first of the Newari series are wholly corrupt Sanskrit, and the second formed by compounding the word Nhi or Gni, a day, with the cardinals: the Newars have no simple words of their own, expressive of the seven days.

A variety of characters is met with in the Nepalese and Bhotiya books, some of which are now obsolete. A manuscript, of which a copy is forwarded, contains a collection of these alphabets, each bearing a separate designation. Of the Newari, three kinds of letters are most familiarly known, and four of the Bhotiya.

### Written characters of Nepaul Proper.

The three Newari alphabets (so to speak) are denominated Bhanjin Mola, Ranja, and Newari. Whether these three sorts of letters were formerly used by the Siva Mārgi Newars, I cannot say; but old Bauddha* works exhibit them all, especially the two former. Newari alone is now used by both sects of Newars for profane purposes; and for sacred, both often employ the Devanāgari, often the Newari. If the Siva Mārgi Newars ever used (which I doubt) Bhanjin Mola, or Ranja, at least they do so no longer; and the Newars of the Buddha faith having long ceased ordinarily to employ those letters in making copies of their Scriptures, few can now write them, and the learned only (who are accustomed to refer to their old works) can read them with facility.

In regard to the origin of these letters, we may at once refer the Newari to Nāgari; but the other two present at first sight more difficulties. Dr Carey was, some time back, of opinion that they are mere fanciful specimens of calligraphy.

* For Bauddha read Bauddha, etc; passim, where the word is used adjectively.
This notion is refuted by the fact of their extensive practical application, of which Dr. Carey was not aware when he gave that opinion. By comparing one of them (the Ranja) with the fourth alphabet of the Bhotiyas, it will be seen, that the general forms of the letters have a striking resemblance. And as this Lanja or Ranja is deemed exotic by the Bhotiyas, I have no doubt it will prove the same with the Newari letters so called: for the words Lanja, Lantza, and Ranja are one and the same. Of the Bhanjin Mola, it may be observed that it has a very ornate appearance, and, if the ornamental parts were stripped from the letters, they (as well as the Ranja) might be traced to a Devanagari origin, from the forms of which alphabet the Baudhahas might possibly alter them, in order to use them as a cover to the mysteries of their faith. The Baudhaha literature is, originally, Indian. Now, though probability may warrant our supposing that those who originated it, together with its religion, might alter existing alphabetical forms for the purpose above hinted at, it will not warrant our conjecturing, that they would undergo the toil of inventing entirely new characters. All these systems of letters follow the Devanagari arrangement, nor should I hesitate to assign them all a Devanagari origin. Indeed it is well known to the learned, that there were anciently in the plains of India many sorts of written characters, since become extinct: and I have no doubt that the letters adverted to were part of these.

WRITTEN CHARACTERS OF TIBET.

Of the Bhotiya characters, four kinds are distinguishable; but only two of them are known by name to the Newars: they are called (in Tibet as well as here) Uchhen and Umen. The first are capitals: the second, small letters: the third, running hand; and the fourth, as already observed, equivalent to the Nepaulese Ranja. There is also a character in use in and near Tibet which is ascribed to the Sokpa, who, with the Hor or Horpa, constitute the nomad population of Tibet, of Turk, and Mongol etymology respectively.

LITERATURE OF BHOT OR TIBET.

The term Bhot is the Sanskrit, Tibet the Persian name, Bod the native one, but probably only a corruption of the first term, and, if so, the Tibetans had not any general name for themselves (Bod-pa) or their country when their Indian teachers first came among them in the 7th century, A.D.

The great bulk of the literature of Bhot (as of Nepal) relates to the Baudhaha religion. In Bhot the principal works are only to be found at the larger monasteries; but numerous Bhotiya books of inferior pretensions, are to be obtained at Katmandu from the poor traffickers and monks who annually visit Nepal on account of religion and trade.

The character of the great part of these latter, or the Bhotiya books procured in Nepal, is that of popular tracts, suited to the capacity and wants of the humbler classes of society, among whom it is a subject of surprise, that literature of any kind should be so common in such a region as Bhot, and, more remarkably so, that it should be so widely diffused as to reach persons covered with filth, and desti-
tute of every one of those thousand luxuries which (at least in our ideas) precede the great luxury of books.

Printing is, no doubt, the main cause of this great diffusion of books. Yet the very circumstance of printing being in such general use, is no less striking than this supposed effect of it; nor can I account for the one or other effect, unless by presuming that the hordes of religionists, with which that country [Tibet] swarms, have been driven by the *tedium vitae*, to these admirable uses of their time.

The invention of printing, the Bhotiyas got from China; but the universal use they make of it is a merit of their own. The poorest individual who visits this valley from the north is seldom without his Pothi [book], and from every part of his dress dangle charms [Jantras] made up in slight cases, the interior of which exhibits the neatest workmanship in print.

Some allowance, however, should also be made for the very familiar power and habit of *writing*, possessed by the people at large: another feature in the moral picture of Bhot, hardly less striking than the prevalence of printing or the diffusion of books, and which I should not venture to point out, had I not had sufficient opportunities of satisfying myself of its truth among the annual sojourners in Nepaul who come here in hundreds to pay their devotions at the temple of the self-existent Supreme Buddha [Swayambhu Adi Buddha].

In the collections forwarded to the Society will be found a vast number of manuscripts—great and small—fragments, and entire little treatises—all which were obtained [as well as the small printed tracts] from the humblest individuals. Their number and variety will, perhaps, be allowed to furnish sufficient evidence of what I have said regarding the appliances of education in Tibet, if due reference be had, when the estimate is made to the scanty and entirely casual source whence the books were obtained in such plenty.

The many different kinds of writing which the MSS. exhibit will, perhaps, be admitted yet further to corroborate the general power of writing possessed by almost all classes of the people. Or, at all events, these various kinds and infinite degrees of penmanship, present a curious and ample specimen of Bhotiya proficiency in writing, let this proficiency belong to what classes or classes it may.

Something of this familiar possession of the elements of education, which I have just noticed as characterising Bhot, may be found also in India; but more, I fear, in the theory of its institutions than in the practice of its present society, because of the successive floods of open violence which have, for ages, ravaged that, till lately, devoted land. The repose of Bhot, on the other hand, has allowed its pacific institutions full room to produce their natural effect; and hence we see a great part of the people of Bhot able to write and read.

In whatever I have said regarding the Press, the general power and habit of writing, or the diffusion of books, in Bhot, I desire to be understood by my European readers with many grains of allowance. These words are names importing the most different things in the world in the favoured part of Europe, and in Asia. The intelligent resident in Hindoostan will have no difficulty in apprehending the exact force which I desire should be attached to such comprehensive phrases,
especially if he will recollect for a moment that the press, writing and books, though most mighty engines, are but engines; and that the example of China proves to us indisputably, they may continue in daily use for ages in a vast society, without once falling into the hands of the strong man of Milton; and consequently, without waking one of those many sublime energies, the full development of which in Europe has shed such a glorious lustre around the path of man in this world.

The printing of Bhot is performed in the stereotype manner by wooden planks; which are often beautifully graved: nor are the limited powers of such an instrument felt as an inconvenience by a people, the entire body of whose literature is of an unchanging character.

The Bhotiya or Tibetan writing, again, often exhibits specimens of ready and graceful penmanship. But then it is never employed on anything more useful than a note of business, or more informing than the dreams of blind mythology: and thus, too, the general diffusion of books (that most potent of spurs to improvement in our ideas) becomes, in Bhot, from the general worthlessness of the books diffused, at least but a comparatively innocent and agreeable means of filling up the tedious hours of the twilight of civilization.

SANSKRIT BAUDDHA LITERATURE OF NEPAUL.

With respect to the authorities of the Buddhist religion or their sacred scriptures, the universal tradition of the followers of this creed (supported by sundry notices in their existing works) asserts, that the original body of their scriptures amounted, when complete, to eighty-four thousand volumes—probably sūtras or aphorisms, and not volumes in our sense.

The most authoritative of the books of the Buddhists now extant in Nepal in the sacred language of India, as subsequently to be enumerated, are known, collectively, and individually, by the names of Sūtra and Dharma.

In a work called the Pūjā Khand there is the following passage:—

"All that the Buddhas have said, as contained in the Māhā Yāna Sūtra, and the rest of the Sūtras, is Dharma Ratna," or precious science. Hence the Scriptures are also frequently called "Buddha Vachana," the words of Buddha. Sākyin Sinha first gave definite form and systematic force to these words, if indeed he did not wholly originate them; and, in this important respect Sākyin is to Buddhism what Vyāsa is to Brahmanism.

The old books of these religionists universally assert this; the modern Buddhists admit it in the face of that host of ascetics whom the easiness of latter superstition has exalted to the rank of an inspired teacher. The sacred chronology of the sect is content with assigning Sākyin to the Kali Yuga, and profane chronology is a science which the Buddhists seem never to have cultivated. But the best opinion seems to be that Sākyin died about four and a half centuries before our era. In the subsequent enumeration of the chief Sanskrit authorities of the Buddhists it will be seen that Sākyin is the "Speaker" in all the great works. This word answers to "hearer," and refers to the form of the works, which is, for the most part, that
of a report of a series of lectures or lessons delivered verbally by Sākya to his favourite disciples, but sometimes diverging into dialogue between them. That Sākya Sinha was substantially the originator of this creed, such as it has come down to our times, is thus I think demonstrable from the uniform tenour of the language of the great scriptural authorities of the sect, wherein, either before or after the enunciation of every cardinal text, stand the words, ‘thus said Sākya Sinha,’ or, ‘so commanded Sākya Sinha.’ Sākya Sinha therefore must be concluded to be the founder of this creed, which took its existing written form from the hands of his earliest disciples, or Kāyapa, Ananda, and Upāli.

Adverting now to the technical arrangement, or classification of these works, I may observe that they are primarily divided into Esoteric and Exoteric, and that these classes are ordinarily termed Tantras and Purāṇas by the Buddhists as well as by the Brahmanists, though the former would likewise seem to convey this distinction by the words Upadesa and Vyākaraṇa. Vyākaraṇa is also employed in the sense of narration as opposed to speculation. Gāthā, Jātaka, Avadāna, etc., seem to be subdivisions.

The word Śūtra as explained, “Mūla Grantha,” “Buddha Vachana,” (chief book, words of Buddha,) has been held to be equivalent to the Sruti of the Brahmins, as has their Smṛti to the Baudha Vyākaraṇa. But, apt as Buddhism is to forget the distinction of divine and human nature, this analogy may be allowed to be somewhat defective; and, in fact, the Śūtra of the Buddhists often comprehends not only their own proper “Buddha Vachana,” but also “Bodhisatva and Bhikṣu Vachana,” (words of Bodhisatva and of Bhikṣu;) which latter the Brahmins would denominate “Rishi Vachana,” and of course, assign to the Smṛti, or comments by holy men upon the eternal truth of the Sruti.

The Newara assert, that of the original body of their sacred literature but a small portion now exists. A legend, familiar to this people, assigns the destruction to Sankara Achārya; and ‘the incomparable Sankara’ of Sir W. Jones, is execrated by the Nepaulse Baudhas as a blood-stained bigot.*

Of the existing Baudha writings of Nepaul (originally of Indian growth and still found unchanged in the Sanskrit language) by far the most important, of the speculative kind, are the five Khandas or parts of the Prajñā Pāramitā or Rākṣā Bhāgavatī, each of which contains 20,000 distiches. Of the narrative kind, the chief are eight of the nine works called the ‘Nava Dharma,’ the ninth being the Ashta Sāhasrika Prajñā Pāramitā. It is a valuable summary of the great work first mentioned, to which, therefore, rather than to the narrative class, the Ashta Sāhasrika bears essential affinity. In the sequel will be found a list of all the Sanskrit Baudha works known to me by name.†

* Sankara is placed in the ninth century of Christ (1,000 years ago), and Sākya, the founder of Buddhism, (for we have nothing authentic before him) certainly was not born sooner than about the middle of the sixth century, B.C. The interval of fifteen centuries may vaguely indicate the period during which Buddhism most flourished in India. The decline of this creed in the plains we must date from Sankara's era, but not its fall, for it is now certain that the expulsion was not complete till the fourteenth or fifteenth century of our era. From the ninth century onwards is comprised the worst period of the persecution. † See the next paper for this list.
THE LITERATURE OF NEPAUL.

The five Rākṣā or Pāramitās* are enumerated in order in the immediately subsequent detail. They are of highly speculative character, belonging rather to philosophy than religion. The cast of thought is sceptical in the extreme: endless doubts are started, and few solutions of them attempted. Sākya appears surrounded by his disciples, by whom the arguments on each topic are chiefly maintained, Sākya acting generally as moderator, but sometimes as sole speaker. The topics discussed are the great first principles of Buddhism;† the tenets of the four schools of Baudhā Philosophy are mentioned, but those of the Svabhāvīka alone largely discussed. The object of the whole work seems rather to be proof of the proposition, that doubt is the end as well as beginning of wisdom, than the establishment of any particular dogmas of philosophy or religion: and from the evidence of this great work it would appear that the old Baudhā philosophers were rather sceptics than atheists.

The nine Dharmaa as follows:


Divine worship is constantly offered to these nine works, as the 'Nava Dharma,' by the Baudhās of Nepaul. The aggregation of the nine is now subservient to ritual fancies, but it was originally dictated by a just respect for the pre-eminent authority and importance of these works, which embrace, in the first, an abstract of the philosophy of Buddhism; in the seventh, a treatise on the esoteric doctrines; and in the seven remaining ones, a full illustration of every point of the ordinary doctrine and discipline, taught in the easy and effective way of example and anecdote, interspersed with occasional instances of dogmatic instruction. With the exception of the first, these works are therefore of a narrative kind; but interwoven with much occasional speculative matter. One of them (the Lalita Vistāra) is the original authority for all those versions of the history of Sākya Sīhā, which have crept, through various channels, into the notice of Europeans.

I esteem myself fortunate in having been first to discover and procure copies of these important works. To meditate and digest them is not for me; but I venture to hint that by so doing only can a knowledge of genuine Buddhism be acquired. Buddhism is not simple, but a vast and complicate structure erected, during ages of leisure, by a literary people. It has its various schools divided by various Doctors; nor is the Buddhism of one age less different from that of another, than the Brahmanism of the Vedas, of the Purānas, and of the Bhāgavat. Buddhism prevailed in India sixteen to seventeen centuries, and, as its genius was free, so it had even before its founder’s death many sects. And soon after his death, schisms multiplied infinitely despite the three great convocations called to stay them. These councils took place respectively, n.c. 465, n.c. 366, n.c. 231. Let it not be supposed, because these works I have cited were procured in Nepaul, that they are therefore of a local character or mountain origin.

† See the sequel at “Religion of Nepaul and Bhōt.”
THE LITERATURE OF NEPAUL.

Such a notion is, in every view, utterly absurd; for the works bear intrinsic evidence of the contrary in almost every page; and their language (Sanskrit,) always wholly exotic in Nepaul, most assuredly was never cultivated there with a zeal or ability such as the composition of these works must have demanded.

These works were composed by the Sages of Magadha, Kosala, and Rājagriha, whence they were transferred to Nepaul by Baudhāya Missionaries soon after they had assumed their existing shape.

The Śāmbhu Purāṇa is the only local work of importance in the large collection which I have made. Perhaps it may be surmised, that if (as is stated) the fire of Sākara’s wrath consumed all but some fragments of the sacred writings of the Buddhists, the ample works now produced must be spurious. But, in the first place, the legend is but a legend; and in the next, exaggeration may reasonably be suspected, both as to number of books then extant and destroyed.

The Baudhāya never had eighty-four thousand principal scriptures; nor could Sākara destroy more than a few of those which they really possessed when he came (if he ever came) to Nepaul. The proof of the latter statement is—that Buddhism was, long after Sākara’s time, the prevalent and national faith of the Nepalese Princes and subjects; and that it is so still in regard to the people, notwithstanding the Gorkhā conquest. Sākara (or some other famous Brahmanical controversialist) may have converted one of the Princes of the Valley; but the others remained Buddhists; and, no doubt, took care of the faith and property of their subjects. All old Baudhāya works are written in one of the three sorts of letters now peculiar to Nepaul Proper, usually in Rāja and Bhanjin Mola, and on Palmira leaves. Copies of the Rākshā Bhāgavatī or Prajñā Pāramitā are very scarce. I am of opinion, after five years of enquiry, that there were but four copies of it in the Valley, prior to my obtaining one copy and a half: one copy more I got transcribed from an old one.§ No one had, for some time, been able fully to understand its contents; no new copy had been made for ages; and those few persons, who possessed one or more khandas or sections of it, as heir-looms, were content to offer to sealed volumes the silent homage of their pījā (worship). Time and growing ignorance have been the chief enemies of Sanskrit Baudhāya literature in Nepaul.

The Baudhāya Scriptures are with reference chiefly to their form and style, frequently stated to be of twelve kinds,* known by the following twelve names; 1. Sūtras; 2. Geya; 3. Vyākaranā; 4. Gāthā; 5. Udāna; 6. Nidāna; 7. Ityukta:

* The modern Bihar. + Berar. ‡ Rajgir.

§ We should doubtless read aphorism or text (Sūtra or ānas), not book, with reference to the 84,000 in question. The universality of the notion proves that this definite number has truth, in some sense, attached to it.

The primitive meaning of Sūtra [aphorism, or thread of discourse,] implies that Sākya taught verbally; and if this be so, Sūtra only took its present sense of principal scripture after his death. These sayings of Sākya may still be found all over the sacred works of the sect in their original aphoristic form. The destruction of Baudhāya books adverted to in the text, has, I fancy, reference to the pāhas or India. There it was complete eventually; but in the mean while the most valuable works had been saved in Nepaul.

† These I sent to the Library of the College of Fort William A.D. 1825.

** Twelve kinds of Scriptures, see Wassiljew, p. 118.

Śūtras are the principal scriptures, (Mūla Grantha) as the Rākhā Bhāgavatī or Prajñā Pāramitā; they are equivalent to the Vedas of the Brahmanists. The aphorisms of Śākyā are the basis of them, hence the name.

Geyas are works of praise, thanksgiving and pious fervour, in modulated language. The Gīta Govinda of the Brahmanists is equivalent to the Buddhist Gīta Pustaka, which belongs to the Geya.

Vyākarana are narrative works, such as those containing histories of the several births of Śākyā prior to his attaining Nirvāṇa; and sundry actions of others who by their lives and opinions have illustrated this religion, with various forms of prayer and of praise. Vyākarana, in the sense of narration, is opposed generally to works of philosophy or speculation, such as the Prajñā Pāramitā. It also characterises works of an exoteric kind, as opposed to the Upadesa or Tantras.

Gāthās are narrative works, in verse and prose, containing moral and religious tales, (Aneka Dharma-kathā) relative to the Buddhās, or elucidative of the discipline and doctrine of the sect. The Lalita Vistara is a Vyākarana of the sort called Gāthā.

Udāna treat of the nature and attributes of the Buddhās, in the form of a dialogue between a Buddhist adept and novice.

Nīdāna are treatises, in which the causes of events are shewn; as for example, how did Śākyā become a Buddha? the reason or cause; he fulfilled the Dān, and other Pāramitās.*

Ityukta, whatever is spoken with reference to, and in conclusion : the explanation of some prior discourse, is Ityukta.

Jātaka treat of the subject of transmigration or metempsychosis, the illustrations being drawn from the 550 births of Śākyā.

Vaipulya treat of several sorts of Dharma and Artha, that is, of the several means of acquiring the goods of this world (Artha) and of the world to come (Dharma).

Adbhuta Dharma, on preternatural events.

Avadāna, of the fruits of actions or moral law of mundane existence.

Upadesa treat of the esoteric doctrines, and are equivalent to Tantra, the rites and ceremonies being almost identical with those of the Hindoo Tantras, but the chief objects of worship, different, though very many of the inferior ones are the same. According to the Upadesa, the Buddhās are styled Yogāmba and Digāmbara. Tāntrika works are very numerous. They are in general disgraced by obscenity and by all sorts of magic and demonology. But they are frequently redeemed by unusually explicit assertions of a supreme Godhead. Najra Satwa Buddha is the magnus Apollo of the Tāntrikas.

The following is an enumeration of some of the most important individual specimens of the preceding classes.

*Pāramitā here means virtue, the moral merit by which our escape (passage) from mortality is obtained. Dāna, or charity, is the first of the ten cardinal virtues of the Buddhas; “and other” refers to the remaining nine. Appendix A. of paper III. Pāram beyond and nā gone.
First khand, or section, of the Rakshâ Bhágavati or Prajnâ Páramitâ. It is a Mahá Yána Sútra Sástra. It begins with a relation (by himself) of how Sákya became Bhágaván (deified); and how he exhorted his disciples to study and meditate his principles; and how he explained the doctrine of Avidyâ, that is, as long as Avidyâ* lasts, the world lasts, when Avidyâ ceases, (Nirvada) the world ceases; aliter, Pravritti ends, and Nirvritti* begins. Such are the general contents of the former part of this khand; and the latter part of it is occupied with explanations of Súnyatâ and Mahá Súnyatâ. Sákyya is the speaker, the hearers are Subhúti, and other Bhikshukas: the style is prose (Gadya).

Second and third khands of the Rakshâ Bhágavati. Contents the same as above.

The fourth khand of the Rakshâ Bhágavati relates how any one becomes Sarvâ-karmajña, or skilled in the knowledge of all things on earth and in heaven; in a word, omniscient; besides which, the subjects of the former khands are treated of, in continuation, in this.

The fifth khand of the Rakshâ Bhágavati. It is a sort of abstract of the other four which form one work. Besides Avidyâ, Súnyatâ, and all the other great topics of the prior khands, this khand contains the names of the Buddhas, and Bodhisatvas.

These five khands or divisions are each called Pancha, Vinsati, Sáhasrika, Prajñâ Páramitâ; the three first words indicating the extent of each division, and the two last, the nature of the subject or transcendental wisdom. Sata Sáhasrika is a collective name of the four first khands, to which the fifth is not necessarily adjunct; and indeed it is one of several abstracts of the Sata Sáhasrika, as already stated. Arya Bhágavatî and Rakshâ Bhágavatî, or holy Goddess and Goddess of Deliverance, are used, indifferently with Prajnâ Páramitâ, as titles of each or all of these five khands. The five khands are all in prose, and comprise the philosophy of Buddhism.

Ashtasáhasrika Prajnâ Páramitâ, a Mahá Yána Sútra. Another and smaller epitome of the transcendental topics discoursed of at large in the Sata Sáhasrika. It is prose. Sákyya is the speaker; and Subhúti and other Bhikshukas,† the hearers.

Ashita Sáhasrika Vyakhya.

This is a comment on the last work by Hara Bhadra, in verse and prose.

Ganda Vyáha, a Vyákarana Sútra, contains forms of supplication and of thanksgiving, also how to obtain Bodhijnâna, or the wisdom of Buddhism. Prose: speaker, Sákyya; hearer, Sudhana Kumâra. The Ganda Vyáha is a treatise on transcendentalism by Arya Sanga the teacher of the Yogichâryâ.

Dasa Bhûmescara, a Vyákarana, containing an account of the ten Bhûmis. Prose: speaker, Sákyya; hearer, Ananda Bhikshuka.

See the explanation of these terms in the sequel. They form the basis of the philosophy of Buddhism.

† Bhikshu, name of a Buddhist mendicant. See on to section on Religion.

‡ Ten heavens, or ten stages of perfectibility: sometimes thirteen are enumerated and the thirteen grades of the spire of the Chaitya are typical of them. See Laidlay’s Fahian, p. 91, and J.R.A.S. xi, 1, 21.
THE LITERATURE OF NEPAUL.

Samadhi Rāja, a Vyākaraṇa; an account of the actions by which the wisdom of Buddhism is acquired, and of the duties of Bodhisattvas. Prose: speaker, Sākyā; hearers, Rāvana and others.

Sad Dharma Pundarīka, a Vyākaraṇa, an account of the Mahā and other Dīpa Dānas, or of the lights to be maintained in honour of the Buddhās, and Bodhisattvas; with narrations of the lives of several former Buddhās by Sākyā, as well as prophetic indications of the future eminence of some of his disciples. Speakers and hearers, Sākyā, Maitreyā, Manjusṛi, etc.

Lalita Vistara. This is a Vyākaraṇa of the sort called Gāthā. It contains a history of the several births of Sākyā, and how, in his last birth, he acquired perfect wisdom, and became Buddha. Verse and prose: speaker, Sākyā; hearers, Maitreyā and others.

Guhya Samājha, otherwise called Tathágata Guhyaka; an Upadī or Tantra; contains numerous mantras, with explanations of the manner of performing esoteric rites. Prose and verse: speaker, Bhagavān (i.e. Sākyā); hearers, Vajra Pāṇi* Bodhisattva and others.

Swarna Prabhāṣa, a Vyākaraṇa Śastra; discourses by Sākyā for the benefit of Lakṣhmi, Saraswati and others; also an account of the Bhāgavata Dhātu, or mansions of the deities. Prose and verse: speaker, Sākyā; hearers, Lītāśi† Kumāra, the above named Goddesses and others.

Swayambhu Purāṇa, the greater; a Vyākaraṇa of the sort called Gāthā: an account of the manifestation of Swayambhu or Adi Buddhā† in Nepal, and the early history of Nepal. Verse: speaker, Sākyā; hearer, Ananda Bhikṣuka.

Swayambhu Purāṇa, the less, a Gāthā, summary of the above; an account of Swayambhu Chaitya, (or temple). Verse and prose: speaker and hearer, as above.

Karanda Vyūha, an account of Lokesvara Padma Pāṇi. Prose: speaker and hearer, as above.

Guna Karanda Vyūha, a Gāthā; an amplification of the above in verse. Speaker and hearer, as above.

Mahāroastu, an Avadāna Śastra; an account of the fruits of actions, like the Karma Viśāka of the Brahmanas. Prose: speaker and hearer, as before.

Asoka Avadāna: an account of the Triad, or Buddha, Dharma, Sangha; also of the Chaityas, with the fruits of worshipping them. Verse: speaker, Upagupta Bhikṣuka; hearer, Asoka Rājā.§

Bhadra Kalpi, an Avadāna Śastra; a detailed account of the Buddhās of this Kalpa.** Verse and prose; speaker, Sākyā; hearers, Upagupta Bhikṣuka, with a host of immortals and mortals.

Jātaka Māla; an account of the meritorious actions of Sākyā in his 665 births,

* Vajra Pāṇi is the son of Vajra Satva Buddha, already alluded to as the magnus Apollo of the Tantrikas. See Fa-hian, p. 135.
† Lītāśi are the so called Scythians. Lītāśis in Tibetan. For Sakaś, see J.R.A.S. xii. 2, 460.
‡ Swayambhu means self-existent, Adī, first, and Buddha, wise.
§ This is the celebrated friend of Antiochus and builder of the Lāts.
** It is styled the Golden because four Buddhās belong to it, viz., Karkut, Kanaka, Kāsyapa, and Sākyā.
prior to his becoming a Tathāgata. Verse and prose: speaker, Sākya; hearer, Ananda Bhikshu.

_Manichura_, an Avadāna; an account of Manichur Rājā, also of the first birth of Sākya, and of the fruits of his actions. Prose: speaker and hearer as above.

_Dharmadasati_ Avadāna, an Avadāna Sāstra; an account of the fruits of building, worshipping and circumambulating* Chaityas. Verse and prose: speaker, Sākya; hearer, Maitreya.

_Nandi Mukha_ Swaghoshha, an Avadāna; an account of the great fast called Vasundhārā, and of the fruit of observing it. Prose: speaker, Sākya; hearer, Ananda.

_Bodhi-charyā_, an Avadāna Sāstra, of the sort called Kāvyā; contains a highly laudatory account of the virtue of charity and of the Bodhi-Charyā, or Buddhist duties. Verse: speaker, Maitreya; hearer, Sudhana Kumāra.

_Karuna Pundarika_, an Avadāna; an account of Aninemi Rājā; of Samudra Renu, Purohiita; of Ratna Garbha, Tathāgata; and of Avalokitesvara, (i.e., Padma Pānī Bodhisatwa) interspersed with sundry philosophical topics which are discussed by Sākya in a broken manner. Sākya, then, in anticipation of his demise, gives directions as to the mode in which his system is to be taught. Prose: speaker, Sākya; hearers, Maitreya, &c.

_Chandomrita Mālā_, a treatise of prosody; the measures illustrated by verses laudatory of Sākya Sinha. Verse and prose: the author Amrita Bhikshu.


_Saraka Dhārd_, with a comment; a Kāvyā in praise of Arya Tārā, Buddhist Sakti. Verse: author, Sarvajna Mitrapāda Bhikshu.

_Aparāmita Dhāranī_, an Upadesa;† contains many Dhāranīs addressed to the Buddhas, who are immortal (Aparāmitāyuaha Tathāgata). Prose: speaker, Sākya; hearer, Ananda Bhikshu.

_Dhāranī Samgraha_, a collection of Dhāranīs, as Mahā Vairochana's D. Mahā Manjusri's D. and those of many other Buddhas and Bodhisatwas. Verse: speaker, Sākya; hearer, Vajra Pānī.

_Pancha Rakshā_, an Upadesa Dhārani; an account of the five Buddha Saktis, called Pratissārā, &c.;† Prose: speaker, Sākya; hearer, Ananda.§

_Pratyangirā Dhārani_, an Upadesa Dhārani; an account of Pratyangirā Bud- dha Sakti. Prose: speaker, Sākya; hearer, Ananda Bhikshu.

*This circumambulation is one of the commonest and most pious actions of Buddhist devotion. Mental prayers are repeated all the while, and a small cylinder fixed upon the upper end of a short staff or handle, is held in the right hand and kept in perpetual revolution. Its cylinder is called Mani; some leaves of the sacred books are usually enclosed in it. Its use is more common to Tibetans than to Nepalese. Both people use beads to count their repetitions of holy words.
†Dhāranīs, though derived from the Upadesa, are exoteric. They are short significant forms of prayer, similar to the Panchāngas of the Brahmins. Whoever constantly repeats or wears [made up in little lockets] a dhārani, possesses a charmed life.
‡See classified enumeration of the principal objects of Buddhist worship. But Pratisirn is not therein named. These are Tāntrika goddesses.
§The Pancha Rakshā is now used in Courts of Justice to swear Buddhists upon.
THE LITERATURE OF NEPAUL.

Tārā Satānāna, an Upadesa Dhāranī, contains an account of Arya Tārā, of her hundred names, her Vīja mantras, &c. Verse: speaker, Padma Pāni; hearer, Vajra Pāni.

Sugataśraddhāna, an Avadāna Sāstra, contains an account of the feast kept in honour of Sanghas or Bodhisatvas. Verse: speaker, Vasundhara Bodhisatwa; hearer, Pushpaketu Rājakumāra.

Sukhavatī Loka, account of the so called heaven of Amitābha Buddha.** Verse: speaker, Sākya; hearers, Ananda and others.

Saptavara Dhāranī, an Upadesa of the sort termed Dhāranī; an account of the seven Devīs (Buddha Saktis) called Vasundhara, Vajra Vidārini, Ganapati Hridayā, Ushnisha Vijaya, Parna Savari, Marichi, Graha Mātrikā, together with their Vīja mantras. Prose: speaker, Sākya; hearers, Ananda and others.

Kriyā Sāngraha, an Upadesa; an account of the Tāṇṭrīka ritual. Prose: speaker, Sākya; hearers, Vajra Pāni, &c., resembles the Mahodādi of the Brahmanas.

Sumagñāvaddhāna, an Avadāna Sāstra; on account of the heaven (Bhuvana) of the Bhikṣukas; near the close is a story of the merchant Sumagha and his wife, whence the name of the work. Prose: speaker, Sākya; hearer, Ananda.

Chaitya Tungava, an Avadāna on the worship of the Chaityas. Prose: speaker, Sākya; hearer, Suchetana Bhikṣuka.

Kathinavaddhāna, an Avadāna Sāstra; containing an account of the merit and reward of giving the Pindapātra,* Khikshari, Chivara and Nivāsa to Bhikṣukas. Prose: speaker, Sākya; hearer, Kāśyapa Bhikṣu.

Pindapatravaddhāna, an account of the begging platter of the Bhikṣukas, and of the merit of bestowing it to them. Prose: speaker and hearer, as above.

Dhrajāgra Keyuri, an Upadesa, or Tāṇṭrīka Dhāranī; an account of Dhrajāgra Keyuri, Buddha Sakti. Prose: speaker, Sākya; hearer, Indra Deva (the god).

Graha Mātrikā, a Tāṇṭrīka Dhāranī; account of Graha Mātrikā, Buddha Sakti. Speaker, Sākya; hearer, Ananda Bhikṣu.

Nāgaṇḍa, a manual of worship to the Nāgaś for rain. It is extracted from the Sādhana Mālā. It is of the same character as the Vṛta Paddhati of the Brahmanas.†

Mahākāla Tantra, an Upadesa; account of the worship to be paid to Mahākāla. Prose: Vajra Satwa Bhagavān (i.e. Buddha); speaker and hearer, his Sakti, named Vajra Sattvaśānti.

Abhidhāmottotttara, an Upadesa; account of the esoteric rites. Prose: speaker, Vajra Satwa Bhagavān; hearer, Vajra Pāni. The rites prescribed by this book

** Dasabhuvana affords no place for Ali Buddha, or the five Dhyānis.

* The begging platter, staff, and slender habiliments of the Buddihā mendicant are called by the names in the text. The Chivara is the upper, the Nivāsa the lower garb; see on to No. 15 for dress and discipline of all the four orders. They require also for dress a pair of wooden sandals, an umbrella, and a gandhas or ewer for holding water.

† The high honour paid to the Nāgaś and Indra in Nepal carries us beyond the Pauranic era to that older time represented in India by the Vedic gods and ritual.
resemble in character the Tántrika ritual of Brahmanism, and differ from it only in being addressed to different objects.

*Vinaya Sútra*, Treatise on Discipline. Author, Chandra Kírti Achárya. It is equivalent to the Vyáasa Sútra of the Brahmans.


*Stotra Samgraha*, the praises of Buddha, Dharma, and Sangha. In verse of various measures and by various authors.

*Divyadvádaná*, an Avadána Sástra, containing various legends of the first birth of Sákya. Verse and prose: speaker, Sákya, hearers, Ananda Bhikshu and others.

**BHOT LITERATURE IN THE LANGUAGE OF TIBET.**

The following list of a more miscellaneous description.

**BHO TIYA WORKS.**

Sumáchik; by Thula Lama, written at Khanam in Bhot, on Jurisprudence.

Chami Dan; by Aguchu Lama, at Tíja Nowa; subject similar to the Sagun Pothi of the Hindus.

Charáth; by Thiya Lama, at Gejketha, on the Jáná Pothi of the Hindus, or divine wisdom.

Chúrúge Chapáh; by Yépah Regreh Máha Lama, at Pargreh ab chu, on cure of all diseases.

Tuchurákh; by Suka Lama, at Jab-la Denuk; read by mendicant monks to prosper their petition for alms.

Mani Pothí; by Chufil Lama; at Gumewan; on the use and virtue of the mani or praying cylinder.

Chá Dau; by Gevighup Lama, at Yeparkas, on medicine.

Napache Pothí; by Aberak Lama, at Jatu Lam, on physical science, or the winds, rain, weather.

Kichak; by Kiliáh Lama, at Botebi, on witchcraft, demonology, &c.

Túi takhi lu; by Rakachandah Lama, at Kubakh, on science of war.

Dutakhi-a-sti; by Bajachik Lama, at Gmaana, read by survivors on the death of a relation, that they may not be haunted by his ghost.

Sera-takh; by Takachik Lama, at Yipurki. To be read by travellers during their wanderings, for the sake of a safe return.

Sata-tu-mah: by Yisahsekar Lama, at Sèbhala, read previous to sitting on a panchet for a prosperous issue thereof.

Keriék; by Amadatkh Lama, at Así; to be read for increase of temporal goods.

† Since the above was composed, I have added greatly to my stock of Sanskrit works. For their names, see the list appended to next paper—Note of 1837.

|| This list represents merely the odds and ends first got at. Soon after I procured the catalogue of the Kalgyur and ascertained that the great Tibetan Cyclopedia consisted of translations from those Sanskrit originals whereof a part only had been preserved in Nepal. I learnt this, and sent the catalogue to Calcutta before De Robé's appearance there.
THE LITERATURE OF TIBET. 21

Numbeh; by Titakh Lama; at Bere-ga-hakh; to be read at times of gathering flowers for worship.

Dekmujah; by Muntako-tan Lama, at Munká; to be read previous to laying the foundation of a house.

Thaka-pan; by Gagamatakh Lama, at Ma-chaclekoh; to be read whilst feeding the sacred fishes at the temple; a very holy act.

Kusa; by Nemachala Lama, at Yepareneshah; to be read at the time of bathing.

Lahassa-ki-pothi; by Uma Lama, at Lassa; to be read before eating, while dinner is serving up, to keep off wicked spirits.

Chandapu; by Grahah Lama, at Juba-nasah; to be read previous to making purchases.

Sachah; by Urjahn Lama, at Jadin; to be repeated whilst exonerating themselves, that no evil spirit may come up.

Bachah; by Jahadegh Lama, at Maharah; to be read by lone travellers, in forests and bye-ways, for protection.

Kajaw; by Olachavah Lama, at Kárah; to be read by a dead man's relatives to free his soul from purgatory.

Yidarum; by Machal Lama, at Saduri; to facilitate interviews, and make them happy in their issues.

Ditakh; by Chopallah Lama, at Uraaikh; to interpret the ominous croaking of crows, and other inauspicious birds.

Karáckakh; by Khuchak Lama, at Pheragiah.

Chala; by Gidu Lama, at Bidakh; to be read at the time of drinking, that no ill may come of the draught.

Kegi; by Tupsathwo Lama, at Kabajeh; for increase of years, and a long life.

Chabeh; by Akabeh Lama, at Ari Kalagu; to be read for removing the inclemencies of the season.

Kachatukh; by Sugnah Lama, at Bole Káchar; to be read by horsemen, at seasons of journeys that they may come to no harm.

Luchtú; by Nowlah Lama, at Chagúra Kahah; to be read for increase of eloquence and knowledge of languages.

Ghikatenah; by Sujanah Lama, at Seakulah; to be read by archers for success of their craft.

Baudh Pothi; or history of the founding of the Temple of Kasachit in Nepal, with other matters appertaining to Buddhism in Nepal.*

Siri Pothi; by Bistakow Lama; at Jamatakh; a general form of prayer for rich and poor, sick and healthy, man and woman.

The latter of these lists of Bhotiya books is a mere thing of shreds and patches, and, in fact, I have no means of enumerating the standard works of Tibetan literature. But I have no doubt that Tibet is indebted for its literature to Baudhha Missionaries, and Refugees from Hindustan. These individuals carried with them,

* The temples of Kasachit and of Swayambluhu Natha though situated in the Valley of Nepal, are almost exclusively in the keeping of the Tibetans, and Lamas are the permanent ministering functionaries.
and subsequently procured from India, many of the sacred and profane works of their sect, and, as was their wont, they immediately began to instruct the people of Bhot in their own, that is, in the Sanskrit, letters and language. They had, no doubt, some success in this measure in the first period of their emigration into Bhot; but, in the end, the difficulties of Sanskrit, and the succession of Native teachers to the chairs of the original Indian emigrants, led to the preference of the Bhotiya language, and, consequently, to a translation of all the Sanskrit works they had, and could obtain from India, into the vernacular tongue of the country. This resort to translation took place very early; a circumstance which, aided by the lapse of time, and the further decline of the original literary ardour, inspired by the Indian Refugees, produced, at no distant period from the decease of the first Indian teachers, the oblivion of Sanskrit, and the entire supercession of original Sanskrit versions by translations into Tibetan. The Bhotiyas,* however, although they thus soon lost the Sanskrit language, retained the Devanagari letters. The result of the whole is, that the body of Bhotiya literature now is, and long has been, a mass of translations from Sanskrit; its language, native; its letters, like its ideas Indian. To support this view of the case, I have to observe, that even the Nepulese, much nearer as they are to India, and much more cultivated in some respects as they are, have resorted extensively to vernacular comments, and even translations of their books, which also are Sanskrit; and that, although the Newars have a good language of their own, they have no letters, but such as are clearly of Devanagari origin, and declared by themselves to be so; that all the Bhotiyas, with whom I have conversed, assure me that they got all their knowledge from India; that their books are translations; that the originals, here and there, still exist in Bhot, but that now no one can read them; lastly, that most of the great Bhotiya classics proclaim, by their very names, the fact.† These remarks are applied, of course, to the classics of Bhot, for, in regard to works of less esteem there, I believe such to be not translations, but originals; chiefly legends of the Lamas, and in the vernacular tongue, (the best dialect of which is that spoken about Lassa and Digarchi,) but still, like the translated classics, written in letters essentially Indian.

* Bhot is the Sanscrit, and Tibet the Persian, name of the country. The native name is Bod, a mere corruption of the Sanskrit appellation, proving that the Tibetans had not reached a general designation for their country when the Indian teachers came among them.

† Note of 1837. It is needless now to say, how fully these views have been confirmed by the researches of De Koros. It is but justice to myself to add that the real nature of the Kahgyur and Stangyur was expressly stated and proved by me to the Secretary of the Asiatic Society some time before Mr. De Koros' ample revelations were made. Complete copies of both collections have been presented by me to the Hon. East India Company, and others procured for the Asiatic Society, Calcutta; upon the latter Mr. De Koros worked.
and would demand more time than could be bestowed upon the task by any person, not otherwise wholly unemployed. A few observations must, therefore, suffice in this place on the religious notions of the Baudhāyas of this part of India, and in making them I shall keep chiefly in view the facilitation of the study of a new subject on the part of those who may find time and courage to explore the great and new mine of Sanskrit literature which it has been my fortune to discover in Nepal.

Speculative Buddhism embraces four very distinct systems of opinion respecting the origin of the world, the nature of a first cause, and the nature and destiny of the soul.

These systems are denominated,† from the diagnostic tenet of each, Swābhāvika, Aśwārīka, Yātuṇka, and Kārmika; and each of these, again, admits of several sub-divisions, comprising divers reconciling theories of the later Baudhāya teachers, who, living in quieter times than those of the first Doctors, and instructed by the taunts of their adversaries, and by adversity, have attempted to explain away what was most objectionable, as well as contradictory, in the original system.

The Swābhāvikas deny the existence of immateriality; they assert that matter is the sole substance, and they give it two modes, called Pravṛtti, and Nirvṛtti, or action and rest, concretion and abstraction. Matter itself, they say, is eternal, (however infinitesimally attenuated in Nirvṛtti); and so are the powers of matter which powers possess not only activity, but intelligence.

The proper state of existence of these powers is that of rest, and of abstraction from everything palpable and visible, (Nirvṛtti), in which state they are so attenuated on the one hand, and so invested with infinite attributes of power and skill on the other, that they want only consciousness and moral perfections to become gods. When these powers pass from their proper and enduring state of rest into their casual and transitory state of activity, then all the beautiful forms of nature or of the world come into existence, not by a divine creation, nor by chance, but spontaneously; and all these beautiful forms of nature cease to exist, when the same powers repass again from this state of Pravṛtti, or activity, into the state of Nirvṛtti, or repose.

The revolution of the states of Pravṛtti and Nirvṛtti is eternal, and with them revolve the existence and destruction of nature or of palpable forms. The Swābhāvikas are so far from ascribing the order and beauty of the world to blind chance, that they are peculiarly fond of quoting the beauty of visible form as a proof of the intelligence of the formative powers; and they infer their eternity from the eternal succession of new forms. But they insist that these powers

† My Baudhāya pandit assigned these titles to the Extract made from his Sastras, and always used them in his discussions with me. Hence I erroneously presumed them to be derived from the Sastras, and preferable to Mādhyāmikas, &c., which he did not use, and which, though the scriptural denominations, were postponed to those here used on his authority as being less diagnostic. In making the extracts we ought to reach the leading doctrines, and therein I think we succeeded.

‡ Pra, an intensive prefix; and Vṛtti, action, avocation, from vṛti to turn, move, exist. See on these terms Burnouf, introduction, p. p. 441, 515.

§ Nir, a privitive prefix, and Vṛtti as before.
are inherent in matter, and not impressed on it by the finger of God, that is, of an absolutely immaterial being. Inanimate forms are held to belong exclusively to Pravritti, and therefore to be perishable; but animate forms, among which man is not distinguished sufficiently, are deemed capable of becoming by their own efforts associated to the eternal state of Nirvritti; their bliss in which state consists of repose or release from an otherwise endlessly recurring migration through the visible forms of Pravritti. Men are endowed with consciousness, as well, I believe of the eternal bliss* of the rest of Nirvritti, as of the ceaseless pain of the activity of Pravritti. But those men who have won the eternity of Nirvritti, are not regarded as rulers of the universe, which rules itself; nor as mediators or judges of mankind still left in Pravritti; for the notions of mediation and judgment are not admitted by the Śvabhāvikas who hold every man to be the arbiter of his own fate—good and evil in Pravritti being, by the constitution of nature indissolubly linked to woe and woe; and the acquisition of Nirvritti being, by the same inherent law, the inevitable consequence of such an enlargement of his faculties, by habitual abstraction, as will enable a man to know what Nirvritti is. To know this, is to become omniscient, a Buddha; to be divinely worshipped as such, while yet lingering in Pravritti; and to become, beyond the grave, or in Nirvritti, all at least that man can become, and all respecting which some of the Śvabhāvikas have expressed much doubt, while others of them have insisted that it is eternal repose, and not eternal annihilation (Sūnyatā); though, adds this more dogmatical school, were it even Sūnyatā, it would still be good; man being otherwise doomed to an eternal migration through all the forms of nature; the more desirable of which are little to be wished; and the less so, at any price to be shunned.

From the foregoing sketch it will be seen, that the most diagnostical tenets of the Śvabhāvikas are, the denial of immateriality, and the assertion that man is capable of enlarging his faculties to infinity. The end of this enlargement of human faculties is association to the eternal rest of Nirvritti, respecting the value of which there is some dispute; and the means of it are, Tapas and Dhyāna; by the former of which terms, the Śvabhāvikas understand, not penance, or self-inflicted bodily pain, but a perfect rejection of all outward (Prāvritti) things; and, by the latter, pure mental abstraction. In regard to physics, the Śvabhāvikas do not reject design or skill, but a designer, that is, a single, immaterial, self-conscious being, who gave existence and order to matter by volition. They admit what we call the laws of matter, but insist that those laws are primary.

* The doctrine is, that they are; some doctors, however, say no; the question turns on the prior acceptance of Sūnyatā, for which see on.

§ This interpretation of the Śvabhāvika Sūnyatā is not the general one, though the opponents of Buddhism have attempted to make it so; for the prevalent sense of the word among the Buddhists, see on. Plotinus contended that the most perfect worship of the Deity consisted in a certain mysterious self-annihilation or total extinction of all our faculties. See M. Lapien's account of Newton's discoveries p. 387. This explains the Sāngata doctrine of Dhyāna, and partially that of Sūnyatā also.
THE RELIGION OF BHOT.

causes, not secondary; are inherent eternally in matter, not impressed on it by an immaterial creator. They consider creation a spontaneity, resulting from powers which matter has had from all eternity, and will have to all eternity. So with respect to man, they admit intellectual and moral powers, but deny that immaterial essence or being, to which we ascribe those powers. Animistic and inanimate causation, they alike attribute to the proper vigour of nature, or Svabhāva. I believe the Svābhāvika to be the oldest school of Buddhist philosophy; but that school has, from the earliest times, been divided into two parties, one called the Svābhāvikas simply, whose tenets I have endeavoured to state above, the other termed the Pārṣṇika Svābhāvikas, from Pārṣṇa, the supreme wisdom; viz. of nature.

The Pārṣṇikas* agree with the Svābhāvikas, in considering matter as the sole entity, in investing it with intelligence as well as activity, and in giving it two modes, or that of action and that of rest. But the Pārṣṇikas incline to unite the powers of matter in the state of Nirvṛtti; to make that unit, deity; and to consider man's sumnum bonum, not as a vague and doubtful association to the state of Nirvṛtti; but as a specific and certain absorption into Pārṣṇa, the sum of all the powers, active and intellectual, of the universe. The Aśwārikas admit of immaterial essence, and of a supreme, infinite, and self-existent Deity (Ādi Buddha) whom some of them consider as the sole deity and cause of all things, while others associate with him a coequal and eternal material principle; believing that all things proceeded from the joint operation of these tvo principles. The Aśwārikas accept the two modes of the Svābhāvikas and Pārṣṇikas, or Pravṛtti and Nirvṛtti. But, though the Aśwārikas admit immaterial essence, and a God, they deny his providence and dominion; and though they believe Moksha to be an absorption into his essence, and vaguely appeal to him as the giver of the good things of Pravṛtti, they deem the connection of virtue and felicity in Pravṛtti to be independent of him, and the bliss of Nirvṛtti to be capable of being won only by their own efforts of Tapas and Dhyāna, efforts which they too are confident will enlarge their faculties to infinity, will make them worthy of being worshipped as Buddhas on earth, and will raise them in heaven to an equal and self-earned participation of the attributes and bliss of the Supreme Adi Buddha; for such is their idea of Moksha, or absorption into him, or, I should rather say, of union with him. All the Buddhists agree in referring the use and value of meditation, (earthly and heavenly,) of the rights and duties of morality, and of the ceremonies of religion, solely to Pravṛtti, a state which they are all alike taught to contemn; and to seek, by their own efforts of abstraction, that infinite extension of their faculties, the accomplishment of which realizes, in their own persons, a godhead as complete as any of them, and the only one which some of them will acknowledge. The Kārmikas and Yaṭnikas derive their names, respectively, from Karma, by which I understand 'conscious moral agency,' and Yatna, which I interpret || Pārṣṇa, from pra, an intensivive prefix, and Jñana, wisdom, or perhaps, the simple jn.

* See the sequel for a good summary glance at the philosophy of the Pārṣṇikas.
'conscious intellectual agency.' I believe these schools to be more recent than the others, and attribute their origin to an attempt to rectify that extravagant quietism, which, in the other schools, stripped the powers above, (whether considered as of material or immaterial natures,) of all personality, providence and dominion; and man, of all his active energies and duties. Assuming as just, the more general principles of their predecessors, they seem to have directed their chief attention to the phenomena of human nature, to have been struck with its free will, and the distinction between its cogitative and sensitive powers, and to have sought to prove, notwithstanding the necessary moral law of their first teachers, that the felicity of man must be secured, either by the proper culture of his moral sense,* which was the sentiment of the Kārmikas, or, by the just conduct of his understanding, a conclusion which the Yānikas preferred: and this, I believe to be the ground of distinction between these two schools as compared with one another. As compared with their predecessors, they held a closer affinity with the Aiswarikas than with the other schools, inclined to admit the existence of immaterial entities, and endeavoured to correct the absolute impersonality and quiescence of the Causa Causarum, (whether material or immaterial,) by feigning Karuna or Yatna, conscious moral, or conscious intellectual, agency, to have been with causation from the beginning. The Kārmika texts often hold such a language as this, "Sākya Sinha, who, according to some (the Swabhāvikas), sprung from Swabhāva, and, according to others, (the Aiswarikas,) from Adi Buddha, performed such and such Karmas, and reaped such and such fruits from them."

In regard to the destiny of the soul, I can find no essential difference of opinion between the Bauddha and the Brahmanical sages. By all, metempsychosis and absorption are accepted. But absorbed into what? Into Brahma, say the Brahmins; into Śūnyatā, or Śwabhāva, or Prajñā, or Adi Buddha, say the various sects of the Buddhists. And I should add, that by their doubtful Śūnyatā, I do not, in general, understand, annihilation, nothingness, but rather that extreme and almost infinite attenuation which they ascribe to their material powers or forces in the state of Nirvṛtti, or of abstraction from all particular palpable forms, such as compose the sensible world of Pravṛtti. By tracing the connexions of Śūnyatā with Akāśa, and through it, with the palpable elements, in the evolution and revolution of Pravṛtti,† it may be plainly seen, that Śūnyatā is the udbh and the modus of primal entity in the last and highest state of abstraction from all particular modifications such as our senses and understanding are cognizant of.

How far, and in what exact sense, the followers of these diverse and opposite systems of speculation adopted the innumerable deities of the existent Buddhist Pantheon, it must rest with future research accurately to determine. For my part, I have no stomach for the marshalling of such an immense, and for the most

* Notwithstanding these sentiments, which are principally referable to the state of Pravṛtti, the Kārmikas and Yānikas still held preferentially to the Tapas and Dhyānas, the severe meditative asceticism of the older schools.

†See the Daśakārā or ten forms, where the evolution and revolution of each element constitutes a phrase of divine energy.
part useless, host.* But some of the principal objects of worship, with their relation and connexion, may be noticed. The leading, and most fundamental association of these objects is, that of the triad, or three persons named Buddha, Dharma, and Sangha. In the transcendental and philosophic sense, Buddha means 'mind,' Dharma, 'matter,' and Sangha, the concretion of the two former in the sensible or phenomenal world. In a practical and religious sense, Buddha means the mortal author of this religion (Sāky), Dharma, his law, and Sangha, the congregation of the faithful:

The triad is liable to a theistic or atheistic interpretation in the higher or philosophic sense, according as Buddha is preferred or postponed to Dharma.

The next, and a very marked distinction of persons, is established in this creed between those avowed mortals who win the rank and powers of a Buddha by their own efforts, and the Buddhas of a celestial nature and origin.

The most notorious of the former of these are seven† who are all characterized as "Mānuṣi" or human; of the latter are five or six who are contradiistinguished as "Anupapādikā," without parents, and also as "Dhyānī," or divine.

This second appellation of the Celestial Buddhas is derived from the Sanskrit name for that abstracted musing which has found more or less favour with almost all the Asiatic religionists, but which is peculiarly and pre-eminently characteristic of Buddhism.

The Dhyānī Buddhas, with Adi Buddha, their chief, are usually and justly referred to the Theistic school.

The epithet Dhyānī, however, as applied to a class of Buddhas, is obviously capable of an atheistic interpretation. It is nevertheless certain, that, in whatever sense other schools may admit this term, or the class of divinities which it characterizes, the Aśvarikās (beyond the bounds of Nepal too) ascribe this creative Dhyāna to a self-existent, infinite, and omniscient "Adi Buddha," one of whose attributes is the possession of five sorts of wisdom. Hence he is called "Pāñcachajana Atmikā," and it was by virtue of these five sorts of wisdom, that he, by five successive acts of Dhyāna, created, from the beginning and for the duration of the present system of worlds, the "Pāncha Buddha Dhyānī."

The names and graduation of these Jñānas, Dhyānas, and Buddhās are thus:—

Jñānas.  
1. Suvisuddha Dharma Dhatu.  
2. Adarsana.  
3. Pratīvekshana.  
4. Sañña.  
5. Krityānuhthāna.

Buddhās.  
1. Vairochana.  
2. Akshobhya.  
3. Ratnasambhava.  
4. Amitābha.†  
5. Amoghasiddha.

* See further on for a goodly array.
† Called Vipasyī, Sīkhi, Viśvabhiṣ, Kakutsanda, Kanakamuni, Kasyapa, and Śāky Sinha. Two others are frequently associated with these to form a series of nine mortal Buddhas, the extra two being Dipankara and Ratnagarbha. But they are much less notorious than the seven, and even of them I find nothing distinct recorded, with the single exception of Śāky, whom I am therefore inclined to regard as the founder of this creed, such at least as it has come down to us in the existing books and existing practical religion of the Buddhists.
‡ For example, in the Ratna Kūta Amitābha and Akshobhya are spoken of, and in the Sarva dharma Mahāsānti as well as in the Swayambhū purāṇa and Guna.
THE RELIGION OF BHOT.

Dhyñas:—The Dhyāna of creation is called by one generic name Loka-Sansarjana; and by five repetitions of this, the five Buddhas were created.

It might be expected, that the supreme Buddha, having created these five celestials, would have devolved on them the active cares of the creation and government of the world. Not so, however; the genius of genuine Buddhism is eminently quiescent, and hence these most exalted sons are relieved from the degradation of action. Each of them receives, together with his existence, the virtues of that Jñāna and Dhyāna, to the exertion of which, by Adi Buddha, he owed his existence; and by a similar exertion of both, he again produces a Dhyāni Bodhisatwa. The Dhyāni Bodhisatwas are, one by one, in succession, the tertiary and active authors of creation. These creations are but perishable; and, since the beginning of time, three of them have passed away. The present world is, therefore, the work of the fourth Bodhisatwa, who is now Lord of the ascendant, and his worshippers in Nepal are wont to invest him with all the powers of a supreme and sole God, the "Presens Divus" being, as usual, everything.‡ When the existing system of worlds shall have run its course, the offices of creator and governor of the next will be assumed by the fifth Bodhisatwa.

The names and lineage of these Dhyāni Bodhisatwas are as follows:—

3. Ratnasambhava. 3. Ratna Pāni.
5. Amoghasiddha. 5. Viswa Pāni.

The Dhyāni Buddhas and Bodhisatwas are considered to stand in the relation of fathers and sons to each other; and as there are Dhyāni Bodhisatwas, so are there Mānushi Bodhisatwas,§ who again bear to their respective Mānushi Buddhas the connexion of pupil to teacher, of graduate to adopt, of the aspirant after the wisdom of Buddhism to him who possesses that wisdom. I should add, that it is competent for a mortal man to become a Buddha,** whilst he yet lingers in the flesh, albeit, the entire fulfilment of the rewards, if not of the prerogatives, of that transcendent character is assigned to a more unearthly state, viz., the state of Nir-

Karanda Vyūha, all Purānic or exoteric works, of which the first is not even obtainable in Nepal, nor is there any evidence that any of the other works were composed there. See Crama de Koros in Bengal Asiatic Society's Journal.

† Original of the Chinese O-mi-to, a word as utterly without meaning as their Bonze, of which latter the Sanskrit Bandyla is the real and significant form. Amitābha is the immeasurably splendid. Bandyla is a person entitled to reverence, and the collective or general appellation of all professed or ascetical followers of Buddha. See Crawford's Archipelago for a fine representation of Akshobhya, the second Dhyāni Buddha. All the five are represented in the Cave at Bīg.

‡ Hence the celebrity and popularity of his mantra or invocation (Om mani padme hum), while those of the two other members of that triad to which Padmapani is thus associated as the Sangha, are hardly ever heard of. There is a fine image of Padma Pāni at Karnagar on the Ganges, the old capital of Champa, now Bhagalpur.

§ The nine mortal Bodhisatwas are variously and vaguely set down; see further on. Ananda, Manju Ghoṣa, and Avalokiteśvara, are the only ones of whom anything is known.

** Hence the Divine Lamas of Bhot; though the original idea has been perverted somewhat. They are rather Arhantas.
In the above remarks I have inserted only the quinary series of Dhyāni Buddhas and Bodhisatwas. But there is, also, a series of six, the Buddha Vajra Satwa, and the Bodhisatwa Vajra Pâni, being added to the series of five, to perfect the larger series. Further, as the five material elements, the five senses, and the five respective (outward) seats of sense, are referred to the series of five Buddhas, so intellect, with apprehension and the objects of such apprehension, or the whole phenomena of the universe, are referred to Vajra Satwa Buddha. And it should not escape remark, that the above associations give somewhat of the dignity of useful knowledge to what must otherwise have been mere voces et præterea nihil.

Nor is there any want of sufficing original authority for the series of six Celestial Buddhas, any more than for the series of five, though the latter may be, and perhaps is, the older. Wherefore I will take leave in this place to caution the reader against exclusive and confined opinions, founded upon any one enumeration he may find; as for instance, that of the Pancha Buddha Dhyāni. Any particular enumeration may have a definite object. But that does not imply that any other and larger enumeration, also with an express object, is inconsistent with the other series. It must at the same time be admitted that the ritualists appear to have multiplied these Deities upon very frail and shadowy grounds; and in this way I find the series of six Celestial Buddhas (which as identified with the elements, senses, and mind, I consider valid) augmented to nine by the addition of Vajrakâya, Vajradharma, and Vajrakarma. The next material distinction of persons or divinities in this religion is into Exoteric or Paurânika Buddhas and Esoteric or Tântrika. The first are those ordinarily so called and alone heretofore known to us. The second are more specially styled Yogâmbara and Digambara: they form the link of connexion between Jainism and Buddhism; and their statues or images are distinguished either by nudity or by a multiplicity of members: they are wholly unknown to Europeans. I have already adverted to the general character of the Tântrika ritual. It is a strange and unintelligible adjunct of Buddhism, though vouched by numerous scriptural authorities.

The images of the 5 Dhyâni Buddhas, which were sent to the Asiatic Society of Bengal, occupy (and exclusively so of all lower Buddhas) the base of every Mahâ chaitya, or highest order of temples in Nepaul; and those images are invariably distinguished by the respective differences exhibited in the specimens transmitted, viz., the position of the hands; the nature of the supporters and the particular


* The senses are assumed to be inert without Manas; not even sensation, far less perception, or mental realization of sensation, can exist without Manas.
† Vajra Satwa, or the sixth Dhyâni with his appendages, belongs to the Vâmanâchâryas, whose doctrine as to things in general, or the origin, nature, and connexion of material and immaterial phenomena, can hardly be reconciled with the views of the older Dakshinâchâryas on these topics.
‡ K guppo the Sarva Dharma Mahâsânti, said by Mr. Csoma to be the bible of the 'oldest Buddhist sect in Tibet.' For authorities for Adi Buddha and the six Celestial Buddhas, see Quotations in Proof, 1837.
§ Temple and monastery are the respective equivalents of Chaitya and of Vihâra.
cognizance of each, which is placed between the supporters. Vairochana is seldom figured: the other four celestial Buddhas occupy shallow niches at the base of the hemisphere of the Chaitya, one opposite each cardinal point: Akshobhya to the east, Ratna Sambhava to the south, Amitabha to the west, and Amogha Siddha to the north. Vajra Satwa is seldom represented in statuary form, and never placed in the Chaityas. But pictorial representations of him are frequent in the illuminated Sūtras, and I have met with his image or sculptured figure in Vihāras.

The Chaitya would appear to be the only exclusively Buddhist form of temple. It consists of a solid hemisphere, commonly surmounted by a graduated cone or tetragonal pyramid, the grades of which (the cone or pyramid) are thirteen, and are typical of the thirteen Bodhisatwa heavens of Buddhist cosmography. The cone or pyramid terminates in a palus very like a lingam, and which is usually surmounted by an umbrella. This part of the structure represents Akaññātha Bhuvana, or the highest heaven, or that of Adi Buddha. The five spokes of the umbrella represent the abodes of the five Dharma Buddhas. Between the hemisphere and the cone or pyramid is a short square neck for the latter, upon each of the four sides of which a pair of eyes is graved which typify omniscience. The hemisphere is called the garbha; the neck, gala; and the cone or pyramid, chārāmani. The Nepalese are sufficiently familiar with Chaityas in the sense of tomb temples, or mausolea, or covers of relics (dagopa): but all their principal edifices of this nature are dedicated to the self-existent, first, supreme Buddha, and to his five celestial sons. Chaityas are frequently combined with small hollow temples, of which they form the superstructure: besides which many sacred edifices of Hindoo form are used by the Buddhists for enshrining their mortal Buddhas, as well as any of the numberless gods and goddesses of their ample Pantheon. The followers of Buddha are divided into regular and secular—a division exactly equivalent to the Grihastra Asrama and Vairagi or Sannyāsī Asrama of the Hindoos—but not equivalent to Laics and Clerics. The regulars are all monastic, as solitaries or as cenobites, living in deserts or in monasteries (Vihāras). Their collective name is Bandya (person entitled to reverence); and they are divided into four orders, called Bhikshu or 'mendicants,' Śrāvaka or readers, Chālukya or 'the scantily robed,' and Arhata or Arhanta or 'Adepta.' They are all monks, and constitute the congregation of the faithful, or only real Buddhists; the seculars having always been regarded as little better than heretics, until political ambition began to qualify the high-toned enthusiasm of the primitive saints; and until very many having come in who could not all live in idleness, these were allowed to follow the various business of the world, their instruction being provided for by the monks, some of whom thus became invested with a partially clerical character which they exercised under the names of Achārya and Vajra Achārya or Teacher and powerful teacher. The monasteries or conventual dwellings of the regular Buddhists are called Vihāra in Sanskrit, Bāhi and Bāhāl in Newari. They are usually large open quadrangles of a regular form, but sometimes irregular, and built round a Chaitya, or a Kūtāgār temple, (the latter sacred to Mānushi, the former to Dhyāni Buddhas). Every great church was formerly conventual, and
the four orders had each their separate Vihāras, of which there are still fifteen in
the city of Patan alone, though the Nepalese have long since abandoned the
monastic institutes of their creed, and hence these monasteries are now secular-
ized, but still exclusively appropriated to the Bandya or tonsured Buddhists. The
head of a Vihāra is called Nāyaka, but his power appears to have been much
more limited than that of the Abbots and Priors of European monachism, and
since this decay of the monastic institutes in Nepal it has become at all events
strikingly so. Still, however, it is the Nāyakas alone who confer the rank and
character of Bandya, and every Bandya is ostensibly attached to some convent
or other, even though he do not dwell in any, as many now do not. Any person
may become a Bandya by submitting to tonsure and taking the usual vows of
celibacy, poverty, and humility, and all these monks are alike distinguished
by a peculiar dress and equipment, which as well as the ceremony of induction
will be found described in the sequel.

The following list of Buddhás completes all I have at present to offer on the sub-
ject. Two lists were prepared for me some time ago by an old Bauddha of Nepal,
with whom I have long cultivated an acquaintance; but they were then laid
aside for future examination and explanation when opportunity should serve.
I have accordingly had them compared, under my own eyes, with the scriptures
whence they were extracted, and the comparison has suggested the following brief
elucidatory remarks.

In the first place, the lesser list has proved to be superfluous, all its names being
contained in the larger one. In the next place, the whole number of Buddhás
in the greater catalogue has been found to amount to 131, and not to 145, as stated
elsewhere; the same name being repeated, in some instances, two and three
times, by reason of this catalogue consisting of literal extracts from several inde-
pendent works. And I have thought it better to leave it in statu quo, than to omit
sundry names of one series because they occur in another. Such omission might
have interfered with some established contiguity of time, place, or circumstances,
in regard to the Buddhás, with which we are not acquainted; and with respect
to the repetitions, they may be seen in the list, at a glance, by the references
attached to them. There is one deviation from the catalogues as found in the
works whence they are drawn, and it is this. After the names of the six great
Mánushi Buddhás (No. 50 to 50) the name of Sákya Sinha, the seventh and last, is
given in my list, though not found at that place in the Lalita Vistara; possibly
because Sákya had not, when that work was compiled, attained Nirvāna and become
a Tathágata in the proper sense. His name, though occurring before, is, notwithstan-
ding, reinserted in my catalogue in that place, in order to make up the comple-
ment of the now famous ‘Sapta Buddha Mánushi,’ or seven mortal Buddhás. Before each
distinct series of names, the work from which it is derived, is uniformly noted.

In the works cited, many more names, besides those given in the catalogue,
are to be found, and from the whole of the books which have been procured and
transmitted to Calcutta, hundreds of new names might be drawn.
THE RELIGION OF BUDDH.

In the Samadhi Raja,* Sarvārtha Siddha (Sākya before he became a Buddha,) is asked by Maitreya and Vājra Pāni, how he acquired Samādhi Juñāna. In reply, he begins by naming 120 Tathāgatas, who instructed him therein in his former births; and at the conclusion of his enumeration of Buddhas, Sarvārtha Siddha observes, 'he has given so many names exempli gratia, but that his instructors were really no less in number than eighty crores!

There is a verse in the Aparimitā Dhāraṇi (to be found in many other, and higher authorities) purporting that "the Buddhas who have been, are, and will be, are more numerous than the grains of sand on the banks of the Ganges." Some of these Buddhas sprang, divinely not generatively, from other Buddhas; some from Akāsa, and some from the Lotos. These are evident nonentities, in regard to chronology and history. Yet it is often most difficult to distinguish them from their more substantial contemporaries, the origin of the latter having been frequently traced up to heaven by the vanity of superstition, while its grovelling genius so often drew down the lineage of the former to earth. Again, among the Buddhas confessedly of mortal mould, there are three wide degrees, that of the Pratyeka Buddha, that of the Śrāvaka Buddha, and that of the Māhāyānikā Buddha. But the two former are regarded, even by their worshippers, as little more than mere men of superior sanctity; and as infinitely inferior to the Māhāyānikā Buddhas, such as Sākya and his six great predecessors. We have, however, multitudes even of this highest degree; and, besides, the title belongs not only to the supreme Mānushi Tathāgatas, but also to all the Dhyānis indiscriminately. Upon the whole, then, it seems peculiarly desirable, in the present state of our information, to keep a steady eye upon the authoritative assertion of the old scriptures, that Sākya is the seventh, and last of the Buddhas. Why seven have been selected for such especial honour it seems impossible to explain on historical grounds. Four of them belong to the present cycle of ages thence called the golden āra or Bhadra Kalpa: the three first to the precedent Kalpa. A Kalpa is an indefinite period, and I think it may be safely asserted that all of the so-called mortal Buddhas save the last are mythological shadows. At all events it has frequently occurred to me to doubt the historical existence of Sākya's six predecessors; for I have not failed to remark that while the Buddhist writings make ample mention of Sākya's births (205), sayings, and doings, and while they ascribe to him the effectual authorship of all the scriptural authorities of the sect, these writings are nearly silent with respect to the origin and actions of the six Buddhas who went before him; nor are any doctrines or dogmas referred to them in the authorities in question. To go farther into this matter would lead me beyond the bounds I have prescribed to myself on the present occasion. What I have said will suffice to show why the catalogue of Buddhas has been so long withheld, and perhaps would justify the withholding of it still. In the forthcoming scriptures the form perpetually occurs 'so said Sākya,' and this is the reason why the works are ascribed to him, though they took their written shape from his favourite disciples Kāsāyana, Ananda, and Upāli.

*I have this list before me extracted from the Samadhi Raja; but I do not think it worth while to add it to the lists already given.
LIST OF BUDDHIST WORKS.

LIST OF TATHAGATAS, COMPILED FROM THE LALITA VISTARA, KRIYA SANGRAHA AND RAJSHA DHAGAVATI.

LALITA VISTARA, 1ST SECTION.

1. Padmottara.
2. Dharmaketu.
3. Dipankara.
4. Gunaketu.
5. Mahakara.
6. Rishideva.
7. S. Itihas.
8. Satyaketu.
10. Sarvabhibhū.
11. Hemavarna.
13. Pravarsāgara.
15. Vararūpa.
17. Rishigupta.
20. Pushritta.
22. Pushkala.
23. Surnami.
24. Mangala.
25. Sudarsana.
26. Mahāśivahateja.
27. Sthitäbuddhidatta.
28. Vasantagandhī.

LALITA VISTARA, 13TH SECTION.

57—1 Amoghadarśī.
58—2 Vairochana.
59—3 Dundubhūswara.
60—4 Dharmeswara.
61—5 Samantadarśī.
62—6 Mahārākṣikandhī.
63—7 Dharmadhwaṣa.
64—8 Jnānaketu.
65—9 Ratnaśikkhi.
66—10 Padmayoni.
67—11 Sarvābhībhū. (See No. 10.)
68—12 Śāgara.
69—13 Padmagarśha.
70—14 Śālendrarāja.
71—15 Pushpita. (See No. 20.)
72—16 Yasodatta.
73—17 Jnānameru.
74—18 Satyadarśī.

*The seven famous mortal Buddhas.
LIST OF BUDDHIST WORKS.

76—10 Nāgadatta. 85—29 Sinhaketu.
76—20 Atuyuchchagāmī. (See No. 12) 86—30 Gunāgradhārī.
77—21 Mahāvyūha. 87—31 Kāśyapa. (See No. 53.)
78—22 Raṃmāja. 88—32 Archihiṅkīta.
79—23 Sīkyanuṇa. (See No. 56.) 89—33 Aksobhyārājī.
80—24 Indraketu. 90—34 Taṅgarasikha.
81—25 Sūryānana. 91—35 Sarvagandhi.
82—26 Sumati. 92—36 Mahāpradīpa.
83—27 Nāgābhibhū. 93—37 Padmottara. (See No. 1.)
84—28 Bhāsaljyāraja. 94—38 Dharmaketu. (See No. 2.)

LALITA VISTARA, 20TH SECTION.

95—1 Vimalaprabhāsā.
96—2 Ratnāravaḥ.
97—3 Pushpāvativalanarājikusmitābhiḥjña.
98—4 Chandrasūryajñhimikaraprabha.
99—5 Gunarjaprabhāsā.
100—6 Ratnayāṣṭi.
101—7 Meghakūṭābhigārjitasāra.
102—8 Ratnachhattrābhvyudgatavabhāsā.
103—9 Samantadāraśi.
104—10 Gānendrā.

KRIYA SANGRAHA.

105—1 Vairochana.† (See No. 58.) 119—15 Ratnasambhava.
106—2 Mahoschnīṣa. 120—16 Vajrasena.
107—3 Sītāpatrāvanshīṣa. 121—17 Vajrasūrya.
109—5 Vījayoschnīṣa. 123—19 Vajrahāsa.
110—6 Vīkrunoschnīṣa. 124—20 Aimitābha.†
111—7 Uḍgataoschnīṣa. 125—21 Vajradarmac.
112—8 Mahodgatokoschnīṣa. 126—22 Vajratikṣaḥā.
113—9 Vījayoschnīṣa. (See No. 163.) 127—23 Vajraketu.
114—10 Aksobhyā. (See No. 85.) 128—24 Vajrabhāsa.
115—11 Vajrasatvā.† 129—25 Amoghānissiddha.†
116—12 Vajrārāja. 130—26 Vajrada.†
117—13 Vajrārāja. 131—27 Vajrakarma.
118—14 Vajrasādhū. 132—28 Vajrayaksa.
133—29 Vajrasandhī.

* This name, although a repetition, is numbered; because the personage here indicated by the name Vairochana, is really Vairochana Aṣṭāguna, Manjuśrī. The six celestιal Buddhis of Nepal will be recognised in this list; but commenting were endless. The six are those marked thus †, Vairochana being assumed to be V. proper, and not Manjuśrī.
Soon after my arrival in Nepal (1821), I began to devise means of procuring some accurate information relative to Buddhism: for, though the regular investigation of such a subject was foreign to my pursuits, my respect for science in general led me cheerfully to avail myself of the opportunity afforded, by my residence in a Buddhist country, for collecting and transmitting to Calcutta the materials for such investigation. There were, however, serious obstacles in my way, arising out of the jealousy of the people in regard to any profanation of their sacred things by an European, and yet more, resulting from the Chinese notions of policy adopted by this Government. I nevertheless persevered; and time, patience, and dexterous applications to the superior intelligence of the chief minister, at length rewarded my toils.

My first object was to ascertain the existence or otherwise of Buddhist scriptures in Nepal; and to this end I privately instituted inquiries in various directions, in the course of which the reputation for knowledge of an old Buddhist residing in the city of Patan, drew one of my people to his abode. This old man assured me that Nepal contained many large works relating to Buddhism; and of some of these he gave me a list. When we became better acquainted, he volunteered to procure me copies of them. His list gradually enlarged as his confidence increased; and at length, chiefly through his kindness, and his influence with his brethren in the Buddhist faith, I was enabled to procure and transmit to Calcutta a large collection of important Buddhist scriptures.

Meanwhile, as the Patna Buddhist seemed very intelligent, and my curiosity was excited, I proposed to him (about 1823) a set of questions, which I desired he would answer from his books. He did so; and these questions and answers form the text of this paper. Having in his answers quoted sundry stotras in proof of his statements; and many of the scriptures whence these were taken being now in my possession, I was tempted to try the truth of his quotations. Of that, my research gave me in general satisfactory proof. But the possession of the books led to questions respecting their relative age and authority; and, tried by this test, the Buddhist's quotations were not always so satisfactory. Thus one step...
LIST OF BUDDHIST WORKS.

led to another, until I conceived the idea of drawing up, with the aid of my old friend and his books, a sketch of the terminology and general disposition of the external parts of Buddhism, in the belief that such a sketch, though but imperfectly executed, would be of some assistance to such of my countrymen as, with the books only before them, might be disposed to enter into a full and accurate investigation of this almost unknown subject.

When, however, I conceived that design, I little suspected where it would lead me; I began ere long to feel my want of language, and (to confess the truth) of patience, and almost looked back with a sigh to the tolerably full and tolerably accurate account of Buddhism which I had obtained so long ago, and with little comparative labour, from my old friend’s answers to my queries. I also saw certain notices of Buddhism coming from time to time before the world, ushered by the talents and industry of Klaproth and Rémusat; and, so far as I had opportunity to learn what these notices contained, it seemed that the answers to my questions furnished much ampler and more accurate views of the subject than those distinguished men could extract from their limited sources of information.

I add here a very considerable list of the Buddhist scriptures in general, extracted for me from those still existing in Nepal, without further observation on it than that its accuracy may be relied on, and that its contents are so far from being local to Nepal, that the largest portion of the books neither are, nor ever were procurable in this valley.

The Buddhas were used, in old time, to insert at the end of any particular work, lists of the names of many of their sacred writings; and to this usage am I indebted for the large catalogue which I have obtained.

LIST OF SANSKRIT BUDDHIST WORKS.

1. PURANAS OR EXOTERIC WORKS.

1 Satasaharsika Prajñā Pāramitā.
2 Pancha Vinsati Sāhasrika Prajñā Pāramitā.
3 Ashtādasara Sāhasrika Prajñā Pāramitā.
4 Ashta Sāhasrika Prajñā Pāramitā.
5 Saptā Sati Prajñā Pāramitā.
6 Prajñā Pāramitā Vyūkhya.
7 Ganda Vyuha.* ........................ Bhadrachári.
8 Dasa Bhūmeswara.
9 Samādhi Rāja.†
10 Lankāvatāra.
11 Saddharma Pundarīka. .................. Bhadrachári.
12 Lalita Vissāra.
13 Tatāgata Guhyaka, or Guhya-Samādhi (Tantra).
14 Suvarna Prabhāsa.

* Ascribed to Arya Sangha, and teaches the Yogāchārya branch of the Mahāyāna.
† This book and the Buddhāvatamsaka and the Rāmakūta are works ascribed to Nāgārjuna, a transcendentalist after whom the western barrier mountain of the Valley of Nepal is named.
LIST OF BUDDHIST WORKS.

15 Mahāvastuavadāna. ............... Samajjikāka, Kinnarājātaka

16 Divyāvadāna. ......... Dipankaravastu, Bhikṣusāvadāna.

17 Satakāvadāna. ...... Sārīdalakarnāvadāna.

18 Bhadrawalāvadāna. ......... Kinnarājātaka.

19 Asokāvadāna. .......... Bodhi Charyāvatāra.

20 Vichitra Karnikāvadāna. ............... Suchadrivadāna.

21 Dwāravintyavadāna. ......... Suchadrivadāna.

22 Ratnulīlāvalīna, or Ratnāvalīna. ......... Suchadrivadāna.

23 Avadāna Kalpalata. ......... Suchadrivadāna.

24 Sugatāvadāna. ......... Suchadrivadāna.

25 Dharma Kosha. ......... Suchadrivadāna.

26 Dharma Sangraha. ......... Suchadrivadāna.

27 Vinaya Sūtra. . Suchadrivadāna.

28 Mahāvāna Sūtra. . Suchadrivadāna.

29 Mahāvāna Sūtra. . Suchadrivadāna.

30 Gosringa Vyākhya. . Suchadrivadāna.

31 Silāchakrāvadāna. . Suchadrivadāna.

32 Jātakāvadāna. . Suchadrivadāna.

33 Jātaka Māla. ............... Visvāntara-jātaka.

34 Mahā Jātaka Māla. . Suchadrivadāna.

35 Swayambhū Purāṇa Kalpa. . Suchadrivadāna.

36 Swayambhū Purāṇa Mahatā. . Suchadrivadāna.

37 Swayambhū Purāṇa Madhyama. . Suchadrivadāna.

38 Swayambhū Purāṇa. ......... Manichūrāvadāna.

39 Karanda Vyūha. ......... Suchadrivadāna.

40 Gunakaranda Vyūha. . Suchadrivadāna.

41 Sukhāvatī Vyūha. . Suchadrivadāna.

42 Karuṇi Pundarkica. . Suchadrivadāna.

43 Lalita Vistara, or Tathāgata Janmāvadāna. . Suchadrivadāna.

44 Laukika Lankāvatāra. . Suchadrivadāna.

45 Chaitya Māhātmya. . Suchadrivadāna.

46 Kalpadrumāvadāna. ......... Kavikumārāvadāna.

Only trace of Vinaya co nomine, though this be one grand division of the books of the Ceylonese and Tibetans. But Burnouf I think observes that the Vinaya class of books in those places is represented by the Avadāna, its equivalent in Nepal.
LIST OF BUDDHIST WORKS.

47 Dharma Kosha Vyákhya.
48 Avadána Sárasamucchaya. Sumagadhávadána.
49 Vratávadána Málá. Sahakopadesávadána.

50 Anumána khanda. Kapiévadána.
51 Adikarma pradípa. Kathinívadána.
52 Sádhana yuga Tippaní. Pindápvávadána.
53 Manju Sri Párájika.* Nandimukha.
54 Vajra Satwa Párájika. Sughoshávadána.
55 Lokeswara Párájika. Dhimatyávadána.
56 Chhando Mrityulatá. Sringabherí, &c.
57 Suvarnavarnaávadána.
58 Tárá Satanáma.
59 Buddha Siksá Samuchchaya.
60 Pancha Rakshá.
61 Buddhokta Sansáramaya.
62 Laksha Chaitya Vratánusásá.
63 Pratimoksha Sútra.
64 Vajra Súchi.
65 Buddha Charita Kávya.
66 Gautama Kávya.
67 Punya Pratisáha Kávya.
68 Lokeswara Sataka Kávya.
69 Srághdhará Kávya.
70 Vidagdhamukhamandana Kávya.

2. TANTRAS OR ESOTERIC WORKS.†

71 Pramodya Maháyuga Tantra. 108 Vajravíra Tantra.
72 Paramártha Sevá Tantra. 109 Vajra Satwa Tantra.
73 Pindí Krama Tantra. 110 Marichi Krama.
74 Sampútodbhava Tantra. 111 Tárá Tantra.
75 Hevajra Tantra. 112 Vajradhátu Tantra.
76 Buddha Kápála Tantra. 113 Vimalaprabhá Tantra.
77 Samvara Tantra, or Samvarodya. 114 Manikarniká Tantra.

*Nos. 53, 54, and 55 are Vinaya as to matter. Gogerly says 52 related to the law for
expulsion from the congregation.
†See Asiatic Researches, vol. v., p. 62 and note.
LIST OF BUDDHIST WORKS.

78 Vārāhi Tantra, or Vārāhi Kalpa. 115 Trilokya-vijaya Tantra.
79 Yogāmba Tantra. 116 Sampūta Tantra.
80 Dākinī Jāla Tantra. 117 Marma Kālika Tantra.
81 Sukla Yamāri Tantra. 118 Kuru Kula Tantra.
82 Krīyā Path Tantra. 119 Bhūta Dāmara.
83 Pita Yamāri Tantra. 120 Kāla Chakra Tantra.
84 Raktā Yamāri Tantra. 121 Yoginī Tantra.
85 Syāma Yamāri Tantra. 122 Yoginī Sanchāra Tantra.
86 Krīyā Sanghara Tantra. 123 Yoginī Jāla Tantra.
87 Krīyā Kanda Tantra. 124 Yogāmbara-pitha Tantra.
88 Krīyā Śāgara Tantra. 125 Uddāmara Tantra.
89 Krīyā Kalpa Druma Tantra. 123 Vasundhāra Sādhana Tantra.
90 Krīyā-vānava Tantra. 127 Nairātma Tantra.
91 Abhijnanottara Tantra. 123 Dākārnava Tantra.
92 Krīyā Samuchchaya Tantra. 129 Krīyā Sāra Tantra.
93 Śādhana Malā Tantra. 130 Yamantaka Tantra.
94 Śādhana Samuchchaya Tantra. 131 Manju Śrī Kalpa Tantra.
95 Śādhana Sanghara Tantra. 132 Tantra Samuchchaya Tantra.
96 Śādhana Ratna Tantra. 133 Krīyā Vatansa Tantra.
97 Śādhana Parikshā Tantra. 134 Tantra Slokā Sanghara.
98 Śādhana Kalpalatā Tantra. 135 Hayagrīva Tantra.
99 Tatwa Jñāna Siddhi Tantra. 136 Sankirna Tantra.
100 Jñāna Siddhi Tantra. 137 Nāmasangiti Vyākhyā Tantra.
101 Gūhya Siddhi Tantra. 138 Amrita Karnika nāma Sangiti Tikā.
102 Udyāna Tantra. 130 Gūḍhhotpāda nāma Sangiti Tikā.
103 Nāgājuna Tantra. 140 Mīyā jūla Tantra.
104 Yogapitha Tantra. 141 Jñānodaya Tantra.
105 Pithāvatāra Tantra. 142 Vasanta Tilaka Tantra.
103 Kālavira Tantra, or Chanda Roshana. 143 Nispanna Yogāmba Tantra.

107 Mahā Kāla Tantra. 144 Dhāranī Sanghara.

Pancha Buddha Dhāranī (—Pratyangira Dhāranī, Saptavara Dhāranī, with hundreds more, the work being a collection of them all.

N.B.—Names on the right are portions of the work written opposite them on the left; priorly they had been treated as separate works.

The whole of the above are classed under the two important heads of Exoteric and Esoteric, the subdivisions not being noted. This list has been corrected since the paper to which it was originally attached was written.

In a clever paper in the first and second numbers of the Calcutta Quarterly Oriental Magazine, (Review of the Bombay Literary Transactions), it is said that one of the distinctions between Jainism and Buddhism is, that the Jainas statues are all naked, and the Budhhas statues all clothed. The pictures were sent to prove that this notion was false. The Budhha images are called Digam-
THE BUDDHIST TRIAD.

baraka,* a name heretofore fancied to be peculiar to Jainism; this is another error, and were this the place for dissertation, I could bring forward many other presumptions in favour of the notion that the Jainas are sectarian Baudhalas,† who dissented from their Baudhika brethren merely in carrying to a gross excess, and in promulgating publicly, certain dangerous dogmas, which the more prudent Buddhists chose to keep veiled from all but the initiated. The Nepaul Buddhists are very jealous of any intrusion into their esoteric dogmas and symbols; so much so, that though I have been for seven years enquiring after these things, my old Vajra Acharya friend only recently gave me a peep at the esoteric dogmas; and my Chitrakara, (Baudhika though he be,) has only within these last twelve months brought me some esoteric pictures: nor probably should I have got at these secret things at all, if I had not been able to examine the Baudhika books, in some small degree, myself; and if a Bhutiya had not put into my hands a picture containing one of these naked saints. With these decisive means of questioning in my power, I at last got my Baudhika assistants to draw up the veil of the sanctuary, to bring me copies of the naked saints, and to tell me a little of the naked doctrines.

Every part of each image is significant; the differences between the five are marked, first, by the different position of the hands (which is called the mudra); secondly, by the variety of the supporters, called rdhanas; thirdly, by the variety of the cognizances or chinas placed between the supporters; and fourthly (where painting and colours are used), by difference of colour. Vairochana's appropriate colour is white; Akshobhya's, blue; Ratna-Sambhava's, yellow, or golden; Amitabha's, red; and Amogha-Siddha's, green.‡

There are a few matters connected with the following sketch of Buddhism which it may be advisable to state here; and in the first rank stands the authority upon which I have assigned the meaning of intellectual essence to the word Buddha, and that of material essence to the word Dharma. The Baudhalas define the words thus: 'Bodhandtmaka iti Buddha; Dharnan atmaka iti Dharma.' About the former of these definitions there can be no difficulty; there may concerning the latter. To the word Dhurana, or holding, containing, sustaining (from the root dhr), I have assigned a material sense; first, because it is opposed to bodhana; secondly, because the goddess Dharma, the pravritti personification of this principle, is often styled, in the most authentic books, Pravrittiencari, 'the material goddess;' or 'goddess of matter;' and thirdly, because this goddess is, (under the names Dharma, Prajna, Arya Tara, etc.) in very many passages of old Baudhika works, described as the material cause of all things; conformably, indeed, with that bias towards materialism, which our heretofore scanty knowledge of Buddhism has led us to assign to the Sautoga faith.

* See J. R. A. S. ii. 1, 140.
† See Digambar and Yogambar.
‡ For the positions of these Baudhikas in Chaitya temples see farther on; Akshobhya is enshrined on the east side, Ratna Sambhava on the south, Amitabha on the west, and Amogha Siddha on the north. Vairochana is seldom found, but if he be, his station is immediately to the right of Akshobhya. Amogha Siddha has always a canopy of snakes. For Nagapuja in Nepaul see farther on.
Sangha, the third member of the Triad, belongs not to the exalted state of nirvāṇā, in which no sect of Baudhāyas admits more than two principles of all things, or mind and matter, Buddha and Dharma. Sangha is defined Samudāya dītma ka iti Sangha, 'the multitudinous essence;' because multitude is held to be as strong a characteristic of pravṛtti, or 'the palpable world,' as unity is of the world of nirvāṇā, or 'abstraction.'

In note 31, I have distinctly rejected the fifth order of Bandyas,* or Vajra Achāryas, in opposition to my old Baudhā friend's statement in the text of the Sketch. There can be no doubt that my friend is mistaken: for in many high authorities, the four original and true orders of Bandyas are called by the collective name of the Chatur Varna, and are therein described without mention of the Vajra Achāryas. It may serve to explain my friend's statement to tell you that he is himself a Vajra Achārya; and that as the genuine monachism of Buddhism has long since passed away in Nepaul, sundry local books have been composed here by Vajra Achāryas, in which they have made their own modern order coequal with the four ancient orders; and my old friend would hold these modern Nepaul books sufficient warrant for the rank ascribed to his own class. I have lately spoken to him on this subject, and he has confessed that there is no old authority for his fifth order of Bandyas. In my note I have endeavoured carefully to separate Buddhism as it is (in Nepaul) and Buddhism as it ought to be, quaod this point of classification. If you look into Kirkpatrick's and Buchanan's works on Nepaul, you will see how they have been puzzled with the difference of things as they are from what they ought to be, in those casual and erroneous hints which they have afforded on the subject of Buddhism.

In note 15, I have stated that the Kārmikas and Yātrikas entertained tolerably just views on the grand subject of free-will and necessity; and I believe I am therein essentially correct: for how otherwise are we to understand their confession of faith, 'the actions of a man's prior births are his destiny'? Exclude the metempsychosis, which is the vehicle of the sense of this passage, and we have our old adage, 'Conduct is fate': a law of freedom surely.

Still, were I cross-examined, I might be forced to confess, that the ideas which the Kārmikas and Yātrikas entertain of free-will, seem to resemble rather the qualifications of our Collins and Edwards, than the full and absolute freedom of Clarke and the best European philosophers.

The Kārmikas and Yātrikas seem to have been impressed with the fact of man's free-will, but to have been perplexed in reconciling such a notion with the general spirit and tendency of the old Sādhuśāsaka philosophy. But in the result, the Kārmikas and Yātrikas seem to have adhered to free-will, though perhaps in the qualified sense above mentioned.

QUESTION I.

How and when was the world created?

*Bandya is the original and correct form of the Chinese Bonze and Mongolian Bandīdā, as Arhata or Arhanta is of the Indo-Chinese Rahatūn.
According to the Samhāra Purāṇa, in the beginning all was void (śūnya). The first light that was manifest was the word Aum; and from this Aum the alphabet was produced—called Mahā Varnā, the letters of which are the seeds of the universe. (See note 1.) In the Guna Kāranda Vyāhā it is written, when nothing else was, Sambhū was; that is the self-existent (Swayambhū); and as he was before all, he is also called Aḍī-Buddha. He wished from one to become many, which desire is denominated Prajñā. BUDDHA and Prajñā united became Prajñā Upāya, as Śivā Sakti, or BRAHMA MAYA. (See note 2.) In the instant of conceiving this desire, five forms or beings were produced, called the five BUDDHAS (see note 3), whose names are as follows: VAIROCHANA, AKSHOBHYA, RATNA-SAMBHAVA, AMITADHA, AMOGHA-SIDDHA. Each of these BUDDHAS, again, produced from himself, by means of Dhyāna, another being called his Bodhi-Satwa, or son. VAIROCHANA produced SAMANTA-BHADRA; AKSHOBHYA, VAJRA-PANI; RATNA-SAMBHAVA, RATNA-PANI; AMITADHA, PADMA-PANI; and AMOGHA-SIDDHA, VISWA-PANI.

Of these five Bodhi-Satvas, four are engrossed with the worship of Sambhū (Swayambhū), and nothing more is known of them than their names; the fifth, Padma-Pāni, was engaged by Sambhū's command, in creation (see note 4); and having by the efficacy of Sambhū's Dhyāna, assumed the virtues of the three Gunas, he created Brahmā, Vishnu, and Mahesa, and delegated to them respectively, creation, preservation, and destruction. Accordingly, by Padma-Pāni's commands, Brahmā set about creating all things; and the Chatur-yoni (or oviparous, viviparous, etc.,*) came into existence by Brahmā. The creation of Brahmā, Vishnu, and Mahesa by Padma-Pāni, is confirmed by the sūkta (see note 5), the meaning of which is, Kāma (Padma-Pāni,) produced Brahmā for creating, Vishnu for preserving, and Mahesa for destroying. And the creation of Brahmā is six-sorted, viz., Deva, Dāitya, Manuṣya, etc.; and, for the Devas, Brahmā made heaven; and for the Dāityas, Pātalas; and the four remaining kinds he placed between these two regions and upon the earth.

With respect to the mansions (Bhūvanas) of the universe, it is related, that the highest is called Aṃśīṭhā Bhuvana; and this is the abode of Adi-Buddha. And below it, according to some accounts, there are ten; and according to others, thirteen Bhūvanas (see note 6); named, Pramūḍhā, Vimalā, Prabhākara, Archishmati, Sudarṣijāya, Abhinukṣā, Dāragama, Achala, Siddhimati, Dharma-megha (x), Samanta-prabhā, Nirūpama, Jñānaavati (xiii).† These thirteen Bhūvanas are the work of Adi-Buddha: they are the Bodhi-Satva Bhuvanas; and whoever is a faithful follower of Buddha will be translated to one of these mansions after death.

* By et cetera always understand more Bṛhmaṇaraṃ.
† Ākṣīṭhā or Aṃśīṭhā is not named in the Dasa Bhūvanas, and neither therein nor here is any mention made of the abodes of the five Dhyani Buddhas; and not Achala but Samanta Bhadra is the tenth Bhuvana. Nirūpama, Achala, and Jñānaavati are the three extra Bhūvanas.
Below the thirteen Boddhi-Satvoa Bhuvanas are eighteen Bhuvanas, called collectively Rûpyavachara. These are subject to Brahmá, and are named individually: Brahma-kâyikâ, Brahma-pûrûhitâ, Brahma-prashâdyâ, Mahâ Brahmânâ, Paritâbhâ, Apramaâbhâ, Abhâswara, Parita-subhâ,Subhâksharbâ,Anabhrakâ, Pûnya-prasâvâ, Vrihat-phûlâ, Arangi-satvâ, Apâyâ, Sudrisnâ, Sudarzanâ, and Sumuakhâ. Pious worshippers of Brahmá shall go to one of these eighteen Bhuvanas after death.

And below the eighteen mansions of Brahmá, are six others subject to Vishnu, called collectively Kâmâvachâra, and separately as follows: Chatû-r-Mahâ-rûpas-Kâyikâ, Trayastirnaâ, Tushita, Yamâ, Nirmânâvatâ, Paramâmîtâ-Vasavartâ. And whosoever worships Vishnu with pure heart shall go to one of these.

And below the six Bhuvanas of Vishnu are the three Bhuvanas of Mahadeva, called generally Arûpyavachâra, and particularly as follows: Abhâgâ-Nitya-yatâmâpagâ, Vînyâ-yatâmâpagâ, Aknhâyanya-yatâmâpagâ, and these are the heavens designed for pious Siva-Mûrgis. Below the mansions enumerated, are Indra Bhuvana, Yama Bhuvana, Sûrya Bhuvana, and Chandra Bhuvana; together with the mansions of the fixed stars, of the planets, and various others which occupy the places down to the Agni Bhuvana, also called Agni-kunda. And below Agni-kunda is Vayu-kunda; and below Vayu-kunda is Prithvi, or the earth; and on the earth are seven Dwipas, Jambu Dwipa, etc.; and seven Sêgaras or seas; and eight Parcetas or mountains (see note 7), Suméru Parvata, etc. And below Prithvi is Jala-kunda, or the world of waters; and the earth is on the waters as a boat. And below the Jala-kunda are seven Pâtâlas, as Dharmâ, etc.: six of them are the abodes of the Dailyas; and the seventh is Naraka, consisting of eight separate abodes: and these eight compose the hell of sinners; and from the eighteen Bhuvanas of Brahmá down to the eight chambers of Naraka, all is the work of Manjusri. Manjusri is by the Baudhâs esteemed the great architect, who constructs the mansions of the world by Adi-Buddha's command, as Padma-Pâni, by his command, creates all animate things.

Thus Manjusri (see note 8) is the Visvâ-karmâ of the Baudhâs; and is also the author of the sixty-four Vidyas.

**QUESTION II.**

What was the origin of mankind?

**ANSWER.**

It is written in the narrative portion of our Tantras, that originally the earth was uninhabited. In those times the inhabitants of Abhâsward Bhuvana (which is one of the Bhuvanas of Brahmá) used frequently to visit the earth, and thence speedily to return to Abhâsward. It happened at length, that, when a few of these beings, who, though half males and half females, had never yet, from the purity of their minds, conceived the sexual desire, or even noticed their distinction of sex, came, as usual, to the earth, Adi-Buddha suddenly created in them so violent a longing to eat, that they ate some of the earth, which had the taste of almonds, and by eating it they lost their power of flying back to their Bhuvana, and so
they remained on the earth. They were now constrained to eat the fruits of the earth for sustenance; and from eating these fruits they conceived the sexual desire, and began to associate together: and from that time, and in that manner, the origin of mankind commenced from the union of the sexes. (See note 9.)

When the beings above-mentioned came last from Abhasvar, Mahá Svavyáta was their leader, and he was the first king of the whole earth.

In another Tantra it is written that Adi-Buddha is the immediate creator of all things in heaven and earth.

With respect to time, we conceive the Satya-yuga to be the beginning of time, and the Kali-yuga the end of it: and the duration of the four yugas, the particulars of which are found in the Brahmanical scriptures, have no place in our's in which it is merely written that there are four yugas: and that in the first, men lived 80,000 years; in the second, 10,000; in the third, 1,000: and the fourth is divided into four periods; in the first of which, men will live 100 years; in the second, fifty years; in the third, twenty-five years; and in the fourth, when the close of the Kali-yuga is approaching, seven years only; and their stature will be only the height of the thumb; and then all things will be destroyed, and Adi-Buddha alone remain: and this period of four yugas is a Pralaya. Adi-Buddha will then again create the four yugas, and all things else to live in their duration, which when completed, all things will be again destroyed, and thus there will be seventy-one pralayas, or completions of the four yugas, when Mahá Pralaya will arrive. How many revolutions of the four yugas (i.e. how many pralayas) have now passed, and how many remain to revolve, is nowhere written.

Question III.

What is matter, and what spirit?

Answer.

Body (see note 10), which is called Sarira and Deha, was produced from the five elements; and soul, which is called prána and jíva, is a particle of the essence of Adi-Buddha. Body, as created out of the elements, perisheth: soul, as a particle of the divine spirit, perisheth not; body is subject to changes—to be fat and lean, etc.; soul is unchangeable. Body is different in all animals; soul is alike in all, whether in man or any other creature. But men have, besides prána, the faculty of speech, which other animals have not; according to the śloka, of which the meaning is this: ‘‘Deha is derived from the five Bhūtas, and Jíva from the Angas of Swayambhú.’’ (See note 11.)

Question IV.

Is matter an independent existence, or derived from God?

Answer.

Body, according to some, depends upon the inhaling and exhaling of the Prána-Váyu; and this inhalation and exhalation of the breath is by virtue of the soul (prána), which virtue, according to some, is derived from God, and according to

*See Turnour's and Csoma de Körös versions of this legend, in the Journal of the Asiatic Society of Bengal.
BUDDHIST PHILOSOPHY.

others (see note 12), is inherent in itself: there is much diversity of opinion on this subject. Some of the Buddha-mārgis contend that deha (the body) is Sudbhācaka; i.e., from the copulation of males and females, new bodies proceed; and they ask who makes the eyes, the flesh, the limbs, etc. of the fetus in the mother’s womb? Sudbhāca! And the thorns of the desert, who points them? Sudbhāca! And the timidity of the deer kind, and the fury of the ravenous beasts, whence are they? from Sudbhāca!

And this is a specimen of their reasoning and proofs, according to a sloka of the Buddha-Charita-Kārya. (See note 13.) Some again say, that deha and sansāra are Aiswarika (see note 14), i.e., produced by Iswara, or Adi-Buddha, according to another sloka.

Some again call the world and the human body Kārmika, i.e., that Karma is the cause of this existence of deha and sansāra; and they liken the first deha to a field (kshetra), and works, to a seed. And they relate, that the first body which man received was created solely by Adi-Buddha; and at that time works affected it not: but when man put off his first body, the next body which he received was subject to Karma, or the works of the first body (see note 15); and so was the next, and all future ones, until he attained to Mokṣa and Moksha; and therefore they say, that whoever would be free from transmigration must pay his devotions to Buddha, and consecrate all his worldly goods to Buddha, nor ever after suffer such things to excite his desires. And, in the Buddha-Charita-Kārya it is written, that with respect to these points, Sākya expressed the following opinion: “Some persons say that Sansāra is Sudbhācaka, some that it is Kārmika, and some that it is Aiswarika and Atmaka; for myself, I can tell you nothing of these matters. Do you address your meditation to Buddha; and when you have attained Bodhijñāna, you will know the truth yourselves.”

QUESTION V.

What are the attributes of God?

ANSWER.

His distinctive attributes are many; one of which is, that he is Panchajñāntmuaka (see note 16), or, in his essence are five sorts of ājñā, possessed by him alone, and which are as follows: first, Suvinānā-Dharma-Dhātuja; second, Adaranānāja; third, Pratyavēkshanāja; fourth, Sāmṛtāja; fifth, Amakānāja. The first created beings, Vairochana, etc., were in number five, owing to these five ājnās; and in each of these five Buddhas is one of the ājnās. Another of Adi-Buddha’s attributes is the faculty of individualizing, and multiplying himself, and again individualizing himself at pleasure: another is, possessing the qualities of passion and clemency.

QUESTION VI.

Is the pleasure of God derived from action or repose?

ANSWER.

There are two modes of considering this subject: first, according to nirvāṇa; and secondly, according to pravīṇī.
BUDDHIST PHILOSOPHY.

Nirvāṇa (see note 17) is this: to know the world to be a mere semblance, unreal, and an illusion; and to know God to be one: and Pravṛtti is the opposite of this sublime science, and is the practice and notions of ordinary men. Therefore, according to nirvāṇa, Adi-Buddha is the author and creator of all things, without whom nothing can be done; whose care sustains the world and its inhabitants; and the moment he averts his face from them they became annihilated, and nothing remains but himself. But some persons, who profess nirvāṇa, contend that the world with all it containeth is distinct from Adi-Buddha: yet the wise know this to be an error. (See note 18.)

Adi-Buddha, though he comprehends all living things, is yet one. He is the soul, and they are but the limbs and outward members, of this monad. Such is nirvāṇa, which, being deeply studied, is found to be unity; but pravṛtti, which is multiplicity, may be distinguished in all things. And in this latter view of pravṛtti, Adi-Buddha may be considered a king, who gives orders; and the five Buddhas, and other divinities of heaven, his ministers, who execute his orders; and we, poor mortals, his subjects, servants, and slaves. In this way the business of the world is distributed among the deities, each having his proper functions; and Adi-Buddha has no concern with it. Thus the five Buddhas give mukti (see note 19) and moksha to good men: Brahmā by the orders of Padma-Pāni, performs the part of creator; Vishnu, by the same orders, cherishes all beings; and Mahā Deva, by the same orders, destroys; Yama takes cognizance of sins, and punishes sinners; Indra and Varuna give rain; and the sun and moon fructify the earth with their rays; and so of the rest.

QUESTION VII.

Who is Buddha? Is he God, or the creator, or a prophet or saint; born of heaven, or of a woman?

ANSWER.

Buddha means, in Sanskrit, ‘the wise;’ also, ‘that which is known by wisdom;’ and it is one of the names which we give to God, whom we also call Adi-Buddha, because he was before all, and is not created, but is the creator: and the Pancha Dhyāni Buddhas were created by him, and are in the heavens. Sākya, and the rest of the seven human Buddhas are earth-born or human. These latter, by the worship of Buddha, arrived at the highest eminence, and attained Nirodha Pada (i.e. were absorbed into Adi-Buddha). (See note 20.) We therefore call them all Buddhas.

QUESTION VIII.

What is the reason for Buddha being represented with curled locks?

ANSWER.

Adi-Buddha was never seen. He is merely light. (See note 21.) But in the pictures of Vairochana, and the other Buddhas, we have the curled hair; and since in limbs and organs we discriminate thirty-two points of beauty (lakshanas), such as expansion of forehead, blackness of the eyes, roundness of the head, eleva-
BUDDHIST PHILOSOPHY.

tion of the nose, archedness of the eyebrows; so also the having curled locks is one of the points of beauty, and there is no other reason for Buddha’s being represented with curled locks. (See note 22.)

QUESTION IX.

What are the names of the great Buddha? Does the Newari language admit the word Buddha, or any substitute for it? and what is the Bhotiya name for Buddha?

ANSWER.

The names of Adi-Buddha are innumerable: Sarvajna, Sugata, Buddha, Dharma-Raja, Tathagata, Bhagavana, Samanta-Bhadra, Mara, Jina, Anadindha, Adi-Buddha, Nirandaka, Janaikachakhu, Amala, Jana-Murti, Vacheswara, Mahavadi, Vaidrata, Vaidipuga, Vaidisinha, and Parajata. Vairochana, and the other five Buddhas, have also many names. Some of Vairochana’s are as follows: Mahadeipti, Jana-Jyotish, Jagat-Pravritti, Mahajeyas, &c.; and so of the other four. Padma-Pani also has many names, as Padma-Pani, Kamali, Padma-Hasta, Padma-Kara, Kamala-Kara, Kamala-Pani, Aryavalokedswara, Aryavalokedswara, Avalokiteswara, and Loka-Natha* (See note 23.) Many of the above names are intercommunicable between the several persons to whom they are here appropriated. Buddha is a Sanskrit word, not Newari: the Bhotiya names I do not know; but I have heard they call Saky Sinha, Sungi Thuba: Sungi meaning the deity, and Thuba his Alaya or Vihara.

QUESTION X.

In the opinion of the Banaras, did God ever make a descent on earth? if so, how often; and what is the Sanskrit and Newari name of each Avatara?

ANSWER.

According to the scriptures of the Buddhramayts, neither Adi-Buddha nor any of the Pancha Dhyani Buddhas (see note 24), ever made a descent; that is to say, they were never conceived in mortal womb; nor had they father or mother: but certain persons of mortal mould have by degrees attained to such excellence of nature and such Bodhijna, as to have been gifted with divine wisdom, and to have taught the Bodhi-charya and Buddhramya: and these were seven, named Vipasyi, Sakti, Viswabh, Krakuchanda, Kanakamuni, Kasyapa, Saky Sinha.

In the Satya-yuga were three: Vipasyi, who was born in Vindumati Nagar, in the house of Vindumán Raja; Sakti, in Urna Desa; and Viswabh, in Annapurna Desa, in the house of a Kshatriya: in the Tretayuga, two persons became Buddhas; one Krakuchanda, in Kshemavati Nagar, in the house of a Brahman; the other Kanakamuni, in Subhavati Nagar, in the house of a Brahman: and in the Dvapara-yuga, one person named Kasyapa, in Vardnasti Nagar, in the house

* We do not find Matiyendra among these synonyms though he be now usually identified with Padma Panii. For Avalokiteswara see Faian, p. p. 116-117.

† Sanskritic Stupa, a tomb, temple. But Ceoma de Koros gives Sang Thubba as his name only.

[The name is Sang Gyas Thub-pa, from Sang-jay T’ub-pa, and means: ‘the Holy One, the Conqueror.” J.S.]
BUDDHIST PHILOSOPHY.

of a Brahman: and in the Kali-yuga,† Sākya, then called Sarvārtha Siddha (see note 25), in the house of Sudhodana Rāja, a Sākyavamsi, in the city of Kapilavastu, which is near Gangāsāgara,‡ became Buddhas. Besides these seven, there are many illustrious persons; but none equal to these. The particular history of these seven, and of other Buddhas, is written in the Lalita Vistara. (See note 25.)

QUESTION XI.

How many Avatāras of Buddhas have there been, according to the Lamas?

ANSWER.

They agree with us in the worship of the seven Buddhas, the difference in our notions being extremely small; but the Lamas go further than this and contend that they themselves are Avatāras. I have heard from my father, that, in his time, there were five Lamas esteemed divine: the names of three of them I have forgotten, but the remaining two are called Shamurpa and Karuna.

QUESTION XII.

Do the Lamas worship the Avatāras recognized by the Newars?

ANSWER.

The Lamas are orthodox Buddhāmūrgis, and even carry their orthodoxy to a greater extent than we do. Insomuch, that it is said, that Sankara Achārya,§ Śiva-Mūrghi, having destroyed the worship of Buddha and the scriptures containing its doctrine in Hindustan, came to Nepal, where also he effected much mischief; and then proceeded to Bhot. There he had a conference with the grand Lama. The Lama, who never bathes, and after natural evacuations does not use topical ablution, disgusted him to that degree, that he commenced reviling the Lama. The Lama replied, “I keep my inside pure, although my outside be impure; while you carefully purify yourself without, but are filthy within:” and at the same time he drew out his whole entrails, and shewed them to Sankara; and then replaced them again. He then demanded an answer of Sankara. Sankara, by virtue of his yoga, ascended into the heavens; the Lama perceiving the shadow of Sankara’s body on the ground, fixed a knife in the place of the shadow: Sankara directly fell upon the knife, which pierced his throat and killed him instantly. Such is the legend or tale that prevails, and thus we account for the fact that the Buddhistāmūrgis practice of Bhot is purer, and its scriptures more numerous, than ours.

QUESTION XIII.

What is the name of your sacred writings,§ and who is their author?

* This allotment into four yugas is apocryphal. The three first Buddhas belong to the penultimate Kalpa, and the four last to the present, or Bhadra Kalpa.
† Near or in Oud, or Rohilkhand, according to other works. Kapila was on the Bhagirathi, near Kailās, say the Tibetan authorities.
‡ He flourished in the ninth century, or about 1,000 years back. This we learn from the Brahmins, and the date is important as it agrees with the era of that persecution which led the Southerners to seek protection in Nepal and Tibet.
§ See pp. 36-39 for a corrected list of the Sanskrit literature of Buddhism.
Buddhist Philosophy.

Answer.

We have nine Purāṇas, called "the nine Dharmas." (See note 26.) A Purāṇa is a narrative or historical work, containing a description of the rites and ceremonies of Buddhism, and the lives of our chief Tathāgatas. The first Dharma is called Prajñā Pāramitā, and contains 8,000 slokas. This is a Nyāya Śāstra, or work of a philosophic character, capable of being understood only by men of science; the second is named Ganda Vyūha,∗ of 12,000 slokas, which contains the history of Sudhana Kumāra, who made sixty-four persons his gurus, from whom he acquired Bodhijñāna; the third, is the Samādhi Rāja, of 3,000 slokas, in which the nature and value of japa and tapas are explained; the fourth is the Lankāvatāra, of 3,000 slokas, in which is written how Rāvana, lord of Lankā, having gone to Malayagiri mountain, and there heard the history of the Buddha, from Sākya Sinha, obtained Bodhijñāna. The fifth, which is called Tathāgata Guhya, is not to be found in Nepal;∗∗ the sixth, is the Saddharma Pundarīka which contains an account of the method of building a chaitya or Buddha-mandala, and the mode and fruits of worshipping it. (Chaitya is the exclusive name of a temple dedicated to Adi-Buddha or to the Pancha Dhyāni Buddha; and whatever temple is erected to Sākya, or other Mānushi Buddhas, is called Kūṭāgāra: || the seventh, is the Lalita Vistara, of 7,000 slokas, which contains the history of the several incarnations of Sākya Sinha Bhagavān, and an account of his perfections in virtue and knowledge, with some notices of other Buddhas. The eighth, is the Suvarṇa Prabhā, containing, in 1,500 slokas, an account of Sāravatītī, Lakshmi and Prithivī; how they lauded Sākya Sinha Bhagavān; and how he, in return, gave each of them what she desired. The ninth, is the Dasa Bhūmesvara, of 2,000 slokas, containing an account of the ten Bhūvanas of Buddha. All these Purāṇas we received from Sākya Sinha, and esteem them our primitive scriptures because before the time of Sākya our religion was not reduced to writing, but retained in memory; the disadvantages of which latter method being evident to Sākya, he secured our institutes by writing them. Besides these Purāṇas, we received Tantras and Dhāranīs from Sākya Sinha. Tantra is the name of those books in which Mantras and Yantras are written, explanatory of both of which we have very many works. Three of them are famous: first, Māyā Jāla, of 10,000 slokas; second, Kāla Chakra, of 6,000; third, Sāmbhū Udaya, of 1,000. The Dhāranīs were extracted from the Tantras, and are similar in nature to the Guhyas, or mystical rites, of the Siva-Mārga. A Dhārani is never less than eight slokas or more than 500; in the beginning and middle of which are written the "Vija Mantra," and at the end, the "Phul Stotra," or the Māhātmya, i.e., what desire may be accomplished or what business achieved by the perusal of that Dhārani; such, for example, as obtaining children—advantage over an enemy—rain—or merely the approbation of Buddha. There are probably a thousand Dhāranīs.

∗ See note at page 137.

∗∗ This is a very holy Tantra. It was kept from me long, but at last I got it.

Kūṭāgāra is the name of the class of temples inferior to Chaityas, as now employed in Nepal. Besides the Chaityas, the Nepalese have temples, dedicated equally to the Dei minores of the Buddhās, and to many of the (adopted) deities of the Brahmanas.
BUDDHIST PHILOSOPHY.

QUESTION XIV.

What is the cause of good and evil?

ANSWER.

When Padma-Pani, having become Tri-guna-Atmaka, that is, having assumed the form of Satyaguna, Rajo-guna, and Tamo-guna, created Brahma, Vishnu, and Mahesa; then from Satya-guna, arose spontaneously (Swabhavaka), punya or virtue, and from Tamo-guna, pap or evil, and from Rajo-guna, the mean of the two, which is neither all good nor all evil: for these three gunas are of such a quality that good acts, mixed acts, and bad acts, necessarily flow from them. Each of these karmas or classes of actions is divided into ten species, so that pap is of ten kinds, first (see note 27) murder; second, robbery; third, adultery, which are called karya or bodily, i.e., derived from Karya; fourth, lying; fifth, secret slander; sixth, reviling; seventh, reporting such words between two persons as excite them to quarrels; and these four papas are called vachaka, i.e., derived from speech; eighth, coveting another's goods; ninth, malice; and tenth, disbelief of the scriptures and immorality; and these three are called manas, i.e., derived from manas 'the mind.' The ten actions opposite to these are good actions; and the ten actions, composed, half and half, of these two sorts, are mixed actions.

QUESTION XV.

What is the motive of your good acts—the love of God—the fear of God—or the desiring of prospering in the world?

ANSWER.

The primary motive for doing well, and worshipping Buddha, according to the scriptures, is the hope of obtaining Mukti and Moksha, becoming Nirvana, and being freed from transmigrations: these exalted blessings cannot be had without the love of God; therefore they, who make themselves accepted of God, are the true saints, and are rarely found; and between them and Buddha there is no difference, because they will eventually become Buddhas, and will obtain Nirvana Pada, i.e., mukti (absorption,) and their jyotish (flame, essence), will be absorbed into the jyotish of Buddha; and to this degree Sakyas and the others of the "Sapta-Buddha" (see note 28) have arrived, and we call them Buddhas, because, whoever has reached this state is, in our creed, a Buddha. Those persons who do good from the fear of hell, and avoid evil from the desire of prospering in the world, are likewise rarely found, and their degree is much above that of the class of sinners. Their sufferings in Naraka will be therefore lessened; but they will be constrained to suffer several transmigrations, and endure pain and pleasure in this world, till they obtain Mukti and Moksha.

QUESTION XVI.

Will you answer, in the world to come, to Adi-Buddha for your acts in this world, or to whom will you answer? and what rewards for good, and pains for evil, will you reap in the next world?

ANSWER.

How can the wicked arrive at Buddha? (see note 20.) Their wicked deeds will hurry them away to Naraka; and the good-will, by virtue of their good acts, be
BUDDHIST PHILOSOPHY.

Transported to the Bhuvanas of Buddha, and will not be there interrogated at all; and those who have sometimes done good and sometimes evil, are destined to a series of births and deaths on earth, and the account of their actions is kept by Yama Rája.

QUESTION XVII.

Do you believe in the metempsychosis?

ANSWER.

Yes. For it is written in the Játaka Máká, and also in the Lalita Vistara, that Sákya, after having transmigrated through 501 bodies, obtained Nirvána Pada or Mukti in the last body: but so long as we cannot acquire Mukti, so long we must pass through births and deaths on earth. Some acquire Moksha after the first birth, some after the seventy-seventh, and some after innumerable births. It is nowhere written that Moksha is to be obtained after a prescribed number of births; but every man must atone for the sins of each birth by a proportionate number of future births; and when the sins of the body are entirely purified and absolved, he will obtain absorption into Adi-Buddha.

QUESTION XVIII.

What and from whence are the Newárs, from Hindusthan or Bhot? (see note 30,) and what is the word Newá, the name of a country or a people?

ANSWER.

The natives of the valley of Nepaul are Newárs. In Sanskrit the country is called Naipóla,* and the inhabitanats Naipálí; and the words Newári and Newári are vulgariats arising from the mutation of P to V, and L to R. Thus too the word Bandya, the name of the Buddhárgí sect (because its followers make bandana, i.e., salutation and reverence to the proficients in Bodhijná), is metamorphosed by ignorance into Bánra, a word which has no meaning.

QUESTION XIX.

Do the Newárs follow the doctrine of caste or not?

ANSWER.

As inhabitants of one country they are one—but in regard to caste, they are diverse.

QUESTION XX.

How many castes are there amongst the Bánras?

ANSWER.

Bánra, according to the true reading, is Bandya, as explained above. According to our Puránas, whoever has adopted the tenets of Buddha, and has cut off the lock from the crown of his head, of whatever tribe or nation he be, becomes thereby a Bandya (see note 31). The Bhotiýas, for example, are Bandyas because they follow the tenets of Buddha, and have no lock on their heads. The Bandyas are divided into two classes; those who follow the Váhyá-chariya, and those who

*From Né, 'the sender to Paradise,' who is Swayambhú Adi-Buddha, and pál, 'cherished.' The Brahmans derive the word Nepául from Né or Neyum, the proper name of a Patriarch or Muni.
BUDDHIST PHILOSOPHY.

adopt the Abhyantara-charya—words equivalent to the Grihastha áśrama and Vairágí áśrama of the Brâhmanas. The first class is denominated Bhikshu; the second, Vajra Achárya.* The Bhikshu cannot marry; but the Vajra Achárya is a family man. The latter is sometimes called, in the vernacular tongue of the Newára, Góbhál, which is not a Sanskrit word. Besides this distinction into monastic and secular orders, the Bandyas are again divided, according to the scriptures, into five classes: first, Arhat; second, Bhikshu; third, Srávaka; fourth, Chailaka; fifth, Vajra Achárya. The Arhat is he who is perfect himself, and can give perfection to others; who eats what is offered to him, but never asks for anything. The Bhikshu, is he who assumes a staff and beggar's dish (bhikshari and pinda páttra), sustains himself by alms, and devotes his attention solely to the contemplation (dhyáma) of Adi-Buddha, without ever intermeddling with worldly affairs. The Srávaka is he who devotes himself to hearing the Buddhist scriptures read or reading them to others; these are his sole occupations, and he is sustained by the small presents of his audiences. The Chailaka is he who contents himself with such a portion of clothes (chilaka) as barely suffices to cover his nakedness, rejecting everything more as superfluous. The Bhikshu and the Chailaka very nearly resemble each other, and both (and the Arhat also) are bound to practice celibacy. The Vajra Achárya is he who has a wife and children, and devotes himself to the active ministry of Buddhism. Such is the account of the five classes found in the scriptures; but there are no traces of them in Nepaul.† No one follows the rules of that class to which he nominally belongs. Among the Bhotiyas there are many Bhikshus, who never marry; and the Bhotiya Lamas are properly Arhats. But all the Nepalese Buddhámarágs are married men, who pursue the business of the world, and seldom think of the injunctions of their religion. The Tantras and Dháranis, which ought to be read for their own salvation, they read only for the increase of their stipend and from a greedy desire of money. This division into five classes is according to the scriptures; but there is a popular division according to Vihára, and these Viháras being very numerous, the separate congregations of the Bandyas, have been thus greatly multiplied.‡ In Pátan alone there are fifteen Viháras. A temple to Adi-Buddha, or to the five Dhyáni-Buddhas, called a Chatitya, is utterly distinct from the Vihár, and of the form of a heap of rice or Dhanyarasya-ákar. But the temples of Sákya and the other of the "Sapta Buddha Mánushi," as well as those of other chief saints and leaders of Buddhism are called Viháras. The names of the fifteen Viháras of Pátan are as follows: Tankal-Vihár, Tú-Vihár, Hak-Vihár, Bhú-

* See further on.
† In Nepaul at present the Bandyas are divided popularly into Vajra Achárya, Sákya Vansí, Bhikshu or Bikshu, and Chiva-bare. The last derive their name from living in a Vihár which has a Chatitya, vulgo Chiva, in its midst. Others say that Chiva or Chivakabare is a corruption of Chailaka Bandya Potius, Bandyas wearing the Chivara, a part of the monastic dress, a sense which would make the term signify Bandyas adhering to their vows.
‡ Some years ago there were 5,000 Bandyas in the Valley of Nepaul out of a population of some 250,000.
BUDDHIST PHILOSOPHY.


In short, if any Bandya die, and his son erect a temple in his name, such structure may be called such an one's (after his name) Vihār. With this distinction, however, that a temple to an eminent saint is denominated Mahā Vihār—one to an ordinary mortal, simply Vihār.§

NOTES.

(1) Here a Sloka of the Sāmbhū Purāṇa is quoted in the original paper; and it was my first intention to have repeated it on the margin of the translation; but, upon reflection, I believe it will be better to observe, that the Sāmbhū Purāṇa is a work peculiar to Nepal. Many other Buddhism scriptures, however, which are not local, and are of high authority, symbolize the forming and changing powers of nature by the letters of the alphabet; and ascribe the pre-eminence among these letters to A, U, and M—making the mystic syllable ōm, which is not less revered by Buddhism than by Brāhmanas. A, the Buddha's say, is the Vija Mantra of the person Buddha; U, the Vija Mantra of the person Dharma; and M, that of the person Sangha—and these three persons form the Buddhist Triad.

The Buddhists, however, differ in their mode of classing the three persons. According to the Aiswarikas, the male, Buddha, the symbol of generative power, is the first member; the female, Dharma, the type of productive power, is the second; and Sangha, their son, is the third, and represents actual creative power, or an active creator and ruler, deriving his origin from the union of the essences of Buddha and Dharma. Sangha, according to all the schools, though a member, is an inferior member, of the triad.||

(2) Another sloka is here quoted; but it will not justify the language of the text, in which there is some confusion of the opposite doctrines of the Aiswarikas and Svābhāvikas. In the triad of the latter, the female, Dharma (also called Prajnā), the type of productive power, is the first member; Upāya, or Buddha, the symbol of generative power, the second; and Sangha the third; their son as before, and the active author of creation, or rather the type of that spontaneous creation, which results necessarily from the union of the two principles of nature before mentioned.

Buddha and Prajnā united become Upāya Prajnā; or vice versa, according to the school, and never as in the text. (For some further remarks upon these chief objects of Buddhist worship, see Notes 12 and 20.)

I take this early opportunity to remark that candid criticism will compare, and not contrast, the statements made in Notes 10, 12, 17, 20, and 20, especially with reference to the Svābhāvika doctrine. (See Note 16.)

† Vulgo Kon. ‡ Vulgo Uku. Throughout classical and vulgar names are mixed.
§ Bahā and Bāhā or Bahāl are the vulgar names for great and common Vihārs, or Vihārs with a Chaitya, and those with a Kutāgār only, erected in the midst of them. Temples to Manuṣki Buddhās and other Deities are called Kutāgār commonly, though Kutāgār temples sometimes enshrine Dhyāni Buddhās. A Vihār may be built round either.
|| See Wilson's Essays and Lectures, ii. 23 ff.
The deduction of the five Dhyāni Buddhas, and the five Dhyāni Bodhisattvas, from Adi-Buddha, according to the Aśvarika Baudhas, will be stated farther on. It is a celestial or divine creation, and is here improperly mixed with the generative creations, theistic and atheistic, of various doctors.

(4) See Note 23.

(5) The sloka quoted is from the Pūjā Kānda, which is a mere manual of worship, of recent origin, and probably local to Nepaul. It professes, however, to be a faithful compilation from the Guna-Kāranda Vyūha, and Kāranda Vyūha. The latter of these is a work of respectable authority, and contains the following partial justification of the language of the Pūjā Kānda. (Śākya, speaking to his disciple Sarvajvarana Vishkambhi, says,) "In the very distant times of Vipasyī Buddha I was born as the son of Suganda Mukha, a merchant: in that birth I heard from Vipasīy the following account of the qualities of Aryāvalokiteswara (Padma Pāni). The sun proceeded from one of his eyes: and from the other, the moon; from his forehead Mahādeva; from between his shoulders, Brahmā; from his chest, Vishnu; from his teeth, Sarasvatī; from his mouth, Vāyu; from his feet, Pṛithvi; from his navel, Varuna." So many deities issued from Aryāvalokiteswara's body. This passage is expanded in the Guna-Kāranda Vyūha, wherein it is added, that when Aryāvalokiteswara had created Brahmā, Vishnu, and Maheśa, they stood before him, and he said to the first, "be thou the lord of Satyaguna and create:" and to the second, "be thou the lord of Rajoguna and preserve:" and to the third, "be thou the lord of Tamoguna and destroy!" The Guna-Kāranda Vyūha, is however a mere amplification of the Kāranda Vyūha, and of much less authority. In a passage of the Sūraṇa Dhāra—which is not one of the sacred writings of Nepaul, but a work of high authority, written by Sarvajna Mitrapāda, a Baudha ascetic of Cashmīr—the Hindu deities are made to issue from the body of the supreme Prāṇā just as, according to the Kāranda Vyūha, they proceed from that of Padma Pāni.

(6) The authority for these ten mansions is the Dasa Bhūmeswara, one of the nine great works spoken of in the answer to the thirteenth question; and which treats professedly of the subject. The thirteen mansions are, however, mentioned in sundry works of high authority; and the thirteen grades of the superior part of the Chaitya (or proper Baudha temple) are typical of the thirteen celestial mansions alluded to in the text. The most essential part of the Chaitya is the solid hemisphere; but the vast majority of Chaityas in Nepaul have the hemisphere surmounted by a pyramid or cone, called Chudāmanī, and invariably divided into thirteen grades.

(7) All this, as well as what follows, is a mere transcript from the Brahmanical writings. There is, nevertheless, authority for it in the Baudha scriptures. The Baudhās seem to have adopted without hesitation the cosmography and chronology of the Brahmanas, and also a large part of their pantheon. They freely confess to have done so at this day. The favourite Brahmanical deities accepted by the Buddhists are, of males: Mahā Kāla, Indra, Ganesa, Hanumān,
BUDDHIST PHILOSOPHY.

and the triad. Of females: Lakshmi and Sarasvati. The Hindu triad are considered by the Buddhists as the mere servants of the Buddhas and Bodhisattvas, and only entitled to such reverence as may seem fit to be paid to faithful servants of so high masters. Of the origin of these deities, according to the Bauddha books, I have already given one account, and referred to another. The notions of the three gunas and of the creation, etc., by the Brahmanic triad as the delegates of the Bodhisattwas, I look upon as modern inventions. According to genuine Buddhism, the Bodhisattwas are, each in his turn, the active agents of the creation and government of the world.

(8) An important historical person, and the apparent introducer of Buddhism into Nepal. (See note 30).

(9) This is a most curious legend. I have not yet seen the Tantra whence it professes to be extracted, and suspect that the legend was stolen from our Bible, by some inhabitant of Nepal, who had gathered a confused idea of the Mosaic history of the origin and fall of mankind from the Jesuit missionaries, formerly resident in this valley; or perhaps the legend in question was derived from some of those various corrupt versions of the biblical story which have been current among the Jews and Moslems of Asia for many centuries.

(10) This limited reply is the fault of my friend and not of his books. Matter is called Prakriti by the Buddhists, as well as by the Brahmans.* The Swabhāvika school of Bauddha philosophy (apparently the oldest school) seems to have considered matter as the sole entity, to have ascribed to it all the attributes of deity, and to have assigned to it two modalities; one termed nirvāṇa, and the other pravṛtti. (See note 12.) To speak more precisely, the above is rather the doctrine of the Prājñika Swabhāvikas than of the simple Swabhāvikas: for the former unitize the active and intelligent powers of nature, the latter do not unitize them; and prefer to all other symbols of those dispersed powers of nature the letters of the alphabet generally, and without much regard to the pre-eminence of A, V, and M. Indeed, it is probable that the mystic syllable AU is altogether a comparatively recent importation into Buddhism. The Lotus is a very favourite type of creative power with all the Bauddhas; and accordingly representations of it occur in a thousand places, and in as many forms, in the Bauddha sculptures and architecture.

(11) The sloka quoted is from a modern little manual of Pujá. I have not seen any adequate original authority; but the Aiswarika Buddhists, who maintain an eternal, infinite, intellectual Adi-Buddha, in all probability made the human soul an emanation from him; and considered Moksha a remanation to him.

(12) The Swabhāvikas, the name assumed by one of the four schools of Bauddha philosophy, and apparently the oldest, are divided into two sects: one called Swabhāvikas simply, the other Prājñika Swabhāvikas. The former maintain that an eternal revolution of entity and non-entity is the system of nature, or of matter,

* Dharma, or that which sustains, is the Bauddha equivalent for the Brahmanical Matra, or that which measures all qualities in space, the English 'matter.'
BUDDHIST PHILOSOPHY.

which alone exists. The Prājñikas deify matter as the sole substance, and give it two modes, the abstract and concrete: in the former, they unitize the active and intelligent powers held to be inherent in matter, and make this unit deity. Such is the abstract or proper mode, which is unity, immutability, rest, bliss. The second is the contingent or concrete mode, or that of actual, visible, nature. To this mode belong action, multiplicity, change, pain. It begins by the energies of matter passing from their proper and eternal state of rest into their contingent and transitory state of action; and ends when those energies resume their proper modality. The proper mode is called nirvrittī; the contingent mode pravṛtti. The powers of matter cannot be described in their proper state of abstraction and unity. In the latter state, all the order and beauty of nature are images of their quality; they are also symbolized by the Yoni, and personified as a female divinity called Adi-Prajñā and Adi-Dharma. Man's sumnum bonum is to pass from the transmigrations incident to the state of pravṛtti into the eternal rest or bliss of nirvrittī. The triadic doctrine of all the schools is referable solely to pravṛtti. In the state of nirvrittī, with some of the Aiswarikas, Buddha represents intellectual essence and the then sole entity; with others of the Aiswarikas, Dharma, or material essence exists bimelty with Buddha in nirvrittī, the two being in that state one. With the Prājñikas, Prajñā, in the state of nirvrittī, is the sumnum et solum numen, Diva Natura—the sum of all the intellectual and physical forces of matter, considered as the sole entity, and held to exist in the state of nirvrittī abstracted from palpable material substance, eternally, unchangedly, and essentially one. When this essential principle of matter passes into the state of pravṛtti, Buddha, the type of active power, first proceeds from it and then associates with it, and from that association results the actual visible world. The principle is figured to be a female, first the mother, and then the wife, of the male, Buddha. [For a glimpse at the esoteric sense of these enigmas, see note 20.]

[13] The work cited is of secondary authority; but the mode of reasoning exhibited in the text is to be found in all Buddhist works which treat of the Swabhāviḍa doctrine.

[14] This is the name of the Theistic school of the Buddhist philosophers. The Sāmbhū Purāṇa and Guna-Kāranda Vyūha contain the least obscure enunciation of Theism—and these books belong to Nepal. Other Buddhist scriptures, however, which are not local, contain abundant expressions capable of a Theistic interpretation. Even those Buddhist philosophers who have insisted that matter is the sole entity, have ever magnified the wisdom and power of nature: and doing so, they have reduced the difference of theism and atheism almost to a nominal one: so, at least, they frequently affirm.

The great defect of all the schools is the want of Providence and of dominion in their causa causarum, though the comparatively recent Kārmikas and Yānikas appear to have attempted to remedy this defect. [See the following note.]

[15] Of two of the four schools of Buddhist philosophy, namely, the Swabhāviḍa and Aiswarika, I have already said a few words: the two remaining schools are denominated the Kārmika and Yāntika—from the words Karma, meaning
moral action; and Yatna, signifying intellectual force, skilful effort. The proper
topics of these two schools seem to me to be confined to the phenomena of human
nature—its free-will, its sense of right and wrong, and its mental power. To the
wisdom of Swabháva, or Prájña, or Adi-Buddha, the Bauddhas, both Swabhávikas
and Aiswarikas, had assigned that eternal necessary connexion of virtue and
felicity in which they alike believed. It remained for the Kármikas and Yátnikas
to discuss how each individual free-willed man might most surely hope to realize
that connexion in regard to himself; whether by the just conduct of his understand-
ing, or by the proper cultivation of his moral sense? And the Yátnikas
seem to have decided in favour of the former mode; the Kármikas, in favour of
the latter. Having settled these points, it was easy for the Yátnikas and Kármikas
to exalt their systems by linking them to the throne of the causa causarum—to
which they would be the more readily impelled, in order to remove from their
faith the obloquy so justly attaching to the ancient Prájnikas, and even to the
Aiswarika school, because of the want of Providence and of Dominion in their
first cause. That the Kármikas and Yátnikas originally limited themselves to the
phenomena of human nature, I think probable, from the circumstance that, out
of some forty slokas which I have collected to illustrate the doctrines of
these schools, scarcely one goes beyond the point of whether man's felicity
is secured by virtue or by intellect? And that when these schools go further (as I
have the evidence of two quotations from their books that they sometimes do),
the trespassing on ground foreign to their systems seems obvious; thus in the Disya
Acanáda, Sákiya says, "from the union of Upáya and Prájña arose manas—the
lord of the senses; and from manas or 'mind' proceeded good and evil; and this
union of Upáya and Prájña is then declared to be a Karma. And in the same
work, in regard to the Yátnika doctrine, it is said, "Iswara (i.e., Adi-Buddha)
produced Yatna from Prájña, and the cause of pravritti and nirvritti* is Yatna;
and all the difficulties that occur in the affairs of this world or of the next are
rendered easy by Yatna." Impersonality and quiescence were the objections pro-
bably made to the first cause of the Prájnikas and Aiswarikas; and it was to
remove those objections that the more recent Kármikas and Yátnikas feigned con-
scious moral agency (Karma), and conscious intellectual agency (Yatna) to have
been with the causa causarum (whether material or immaterial) from the begin-
ning. Of all the schools, the Kármikas and Yátnikas alone seem to have been
duly sensible of man's free-will, and God's moral attributes. The Kármika con-
fusion of faith is, "Púrva janna krítam karma tad dasyam iti kathgate," which
may be very well translated by our noble adage, "conduct is fate." Such
sentiments of human nature naturally inclined them to the belief of immaterial
existences, and accordingly they will be found to attach themselves in theology
chiefly to the Aiswarika school.

(10) This is the divine creation alluded to in the third note. The eternal, infinite
and intellectual Adi-Buddha possesses, as proper to his own essence, five sorts

* See note 17 for the sense of these cardinal terms.
BUDDHIST PHILOSOPHY.

of wisdom. From these he, by five separate acts of Dhyāna, created the five Dhyāni Buddhas, to whom he gave the virtue of that jñāna whence each derived his origin. These five Dhyāni Buddhas again created, each of them, a Dhyāni Bodhisattva by the joint efficacy of the jñāna received from Adī-Buddha, and of an act of his own Dhyāna.

The five Dhyāni Buddhas are, like Adī-Buddha, quiescent—and the active work of creation and rule is devolved on the Bodhisattvas. This creation by Dhyāna is eminently characteristic of Buddhism—but whose Dhyāna possesses creative power? that of an eternal Adī-Buddha, say the Aiswarikas of the Sāmbhū Pūrana—that of any Buddha, even a Manuṣhī or mortal Buddha, say the Śvāhāvikas. The Baudhānas have no other notion of creation (than that by Dhyāna,) which is not generative.

(17) These terms are common to all the schools of Baudhā philosophy; with the Aiswarikas, nirvṛtti is the state in which mind exists independent of matter; pravṛtti, the state in which it exists while mixed with matter. With the simple Śvāhāvikas, the former term seems to import non-entity; the latter, entity. With the Prājñikas Śvāhāvikas, the former term signifies the state in which the active and intellectual power of matter exists abstractedly from visible nature. The Mokṣa of the first is absorption into Adī-Buddha; of the second, absorption into Sūnyatā; of the third, identification with Prājñā. In a word, nirvṛtti means abstraction, and pravṛtti, concretion—from nirvṛtta is formed nirvṛtti, but pravṛtti has no pravṛtta.

(18) If so, I am afraid few Baudhā can be called wise. The doctrine of the text in this place is that of the Aiswarikas, set off to the best advantage: the doctrine incidentally objected to is that of the Śvāhāvikas and Prājnikas. Sir W. Jones assures us that the Hindus “consider creation (I should here prefer the word change) rather as an energy than as a work.” This remark is yet more true in regard to the old Baudhā philosophers: and the mooted point with them is, what energy creates? an energy intrinsic in some archetypal state of matter, or extrinsic? The old Baudhā philosophers seem to have insisted that there is no sufficient evidence of immaterial entity. But, what is truly remarkable, some of them, at least, have united with that dogma a belief in moral and intellectual operations; nor is there one tenet so diagnostic of Buddhism as that which insists that man is capable of extending his moral and intellectual faculties to infinity. True it is, as Mr. Colebrooke has remarked; that the Hindu philosophy recognizes this dogma—coldly recognizes it, and that is all: whereas, the Baudhās have pursued it into its most extravagant consequences, and made it the corner-stone of their faith and practice. (See note 29.)

(19) I have not yet found that these Dhyāni Buddhas of the Theistic school do anything. They seem to be mere personifications, according to a Theistic theory, of the active and intellectual powers of nature—and hence are called Pancha Bhūta, Pancha Indriya, and Pancha Ayatana-Akāra.

It may seem contrary to this notion of the quiescence of the five Dhyāni Buddhas, that, according at least to some Nepaul works, each of them has a Śakti.
BUDDHIST PHILOSOPHY.

Vairochana's is Vajra-Dhātesvari; Akshobhya's, Lochanā; Ratna Sambhava's, Māmukhi; Amitābha's, Pāndara; Amogha Siddha's, Tārā. But I apprehend that these Buddha-Saktis are peculiar to Nepal; and though I have found their names, I have not found that they do any thing.

There is indeed a secret and filthy* system of Buddhas and Buddha-Saktis, in which the ladies act a conspicuous part; and according to which, Adi-Buddha is styled Yogīmbāra; and Adi-Dharma, Jñāneswari. But this system has only been recently revealed to me, and I cannot say more of it at present.

(20) According to the Aiswarikas: the Svābhāvikas say, into Akāsa and Sūnyatā; the Prājnikas, into Adi-Prajñā. The Svābhāvika doctrine of Sūnyatā is the darkest corner of their metaphysical labyrinth. It cannot mean strictly nothingness, since there are eighteen degrees of Sūnyatā, whereof the first is Akāsa: and Akāsa is so far from being deemed nothingness that it is again and again said to be the only real substance. Language sinks under the expression of the Buddha abstractions; but by their Sūnyatā I understand sometimes the place, and sometimes the form, in which the infinitely attenuated elements of all things exist in their state of separation from the palpable system of nature.

N. B. The images of all the seven great Mānuṣi Buddhaḥs, referred to in the answer to the seventh question, are exactly similar to that of Sākya Sinha, the seventh of them. This image very nearly resembles that of Akshobhya, the second Dhyāni Buddha. The differences are found only in the supporters, and in the cognizances† (chinas.) When coloured there is a more remarkable diagnosis, Akshobhya being blue, and Sākya and the other six Mānuṣis, yellow.

(21) The Sāṃbhū Purāṇa says, manifested in Nepal in the form of flame (Jyotīrāpa.) According to the same work, Adi-Dharma's (or Prajinā's) manifestation in Nepal is in the form of water (jala surīpa).

(22) This is the true solution of a circumstance which has caused much idle speculation: though the notion is, no doubt, an odd one for a sect which insists on tonsure!

(23) These are Padma Pāni's names in his character of active creator and governor of the present world. Three Dhyāni Bodhisattvas preceded him in that character, and one (the fifth) remains to follow him.

(24) I have already stated that these deities, conformably with the quiescent genius of Buddhism, do nothing; they are merely the medium through which creative power is communicated to the Bodhisattvas from Adi-Buddha. It is the Bodhisattvas alone who exercise that power, one at a time, and each in his turn. It is a ludicrous instance of Buddha contempt for action, that some recent writers have made a fourth delegation of active power to the three gods of the Hindu Triad.

(25) Until he attained bodhijnāna: and even then, while yet lingering in the flesh, he got the name of Sākya Sinha. This name has caused some speculation,

*Tinātrika system.
† Mudrās, the name of the several (all) positions of the hands: Chinas, that of the cognizances placed between the supporters or vahana.
BUDDHIST PHILOSOPHY.

on the asserted ground of its not being Indian. The Baudhāya scriptures differ as to the city in which Sākyā was born; but all the places named are Indian. They also say that the Sakavasa was an Indian race or family; as was the Gautamavansa, in which also Sākyā was once born.

(25 bis) This must be received with some allowance. The Lakita Viśāra gives ample details of Sākyā's numberless births and acts, but is nearly silent as to the origin or actions of his six great predecessors: and the like is true of many other Baudhāya scriptures.

(26) These works are regularly worshipped in Nepaul as the "Nava Dharma." They are chiefly of a narrative kind. The most important work of the speculativ.e kind now extant in Nepaul is the Rakshā Bhūyavati, consisting of no less than 125,000 slokas. This is a work of philosophy rather than of religion, and its spirit is sceptical to the very verge of pyrrhonism. The Baudhāyas of Nepaul hold it in the highest esteem, and I have sent three copies of it to Calcutta. Its substance though not its form or reduction to writing, are attributed (as are those of all the other Baudhāya scriptures) to Sākyā Sinha. Whatever the Buddhas have said, (sugatai-deseta) is an object of worship with the Baudhāyas. Sākyā having systematised these words of the Buddhas, and his earliest disciples having reduced to writing, the books are now worshipped under the names of Sūtra and Dharma. The aggregation of nine Dharma is for ritual purposes; but why the nine specified works have been selected to be thus peculiarly honoured I cannot say. They are probably the oldest and most authentic scriptures existing in Nepaul, though this conjecture is certainly opposed to the reverence expressed for the Rakshā Bhūyavati, by the Buddhists. That work, (as already stated) is of vast extent, containing no less than 125,000* slokas, divided into five equal parts or khandas, which are known by the names of the five Pāramītas and the five Rakshās.

(27) The three first sins should be rendered, all destruction of life, all taking without right, and all sexual commerce whatever. The ten are the cardinal sins of Buddhism, and will bear a very favourable comparison with the five cardinal sins of Brahmanism.

(28) The Buddhas mentioned in the Baudhāya scriptures are innumerable. Many of them, however, are evident non-entities in regard to history. Even the Buddhas of mortal mould are vastly numerous, and of various degrees of power and rank. These degrees are three, entitled, Pratyeka, Srāvaka, and Mahā Yānika. Sākyā Sinha is often said to be the seventh and last Mániushi Buddha who has yet reached the supreme grade of the Mahā Yānika. In the Lakita Viśāra, there is a formal enumeration of the perfections in knowledge and virtue requisite for attaining to each of these three grades—a monstrously impracticable and impious array of human perfectibility! The three grades are known by the collective name of "Tri Yāna."

(29) Genuine Buddhism never seems to contemplate any measures of acceptance

*See list of books at pp. 36-39. The Prajñā Pāramītā is found in five different degrees of development; of these the second, though distinct from, is often blended with the first.
with the deity; but, overleaping the barrier between finite and infinite mind, urges its followers to aspire by their own efforts to that divine perfectibility of which it teaches that man is capable, and by attaining which man becomes God—and thus is explained both the quiescence of the imaginary celestial, and the plenary omnipotence of the real Manushi Buddhas—thus we must account for the fact, that genuine Buddhism has no priesthood; the saint despises the priest: the saint scorns the aid of mediators, whether on earth or in heaven: “conquer (exclaims the adept or Buddha to the novice or Bodhi-Sattwa)—conquer the importunities of the body, urge your mind to the meditation of abstraction, and you shall, in time, discover the great secret (Śūnyatā) of nature: know this, and you become, on the instant, whatever priests have feigned of Godhead—you become identified with Prajñā, the sum of all the power and all the wisdom which sustain and govern the world, and which, as they are manifested out of matter, must belong solely to matter; not indeed in the gross and palpable state of pravṛtti, but in the archetypal and pure state of nirvṛtti. Put off, therefore, the vile, pravṛttiḥka necessities of the body, and the no less vile affections of the mind (Tapas): urge your thoughts into pure abstraction (Dhyāna), and then, as assuredly you can, so assuredly you shall, attain to the wisdom of a Buddha (Bodhiṣṭhāna), and become associated with the eternal unity and rest of nirvṛtti.” Such, I believe, is the esoteric doctrine of the Prājnikas—that of the Svābhāvikas is nearly allied to it, but more timid and sceptical; they too magnify the wisdom and power of nature so abundantly diffused throughout pravṛtti, but they seem not to unite that wisdom and power in the state of nirvṛtti, and incline to conceive of nirvṛtti, as of a state of things concerning which nothing can be predicated; but which, even though it be nothingness (Śūnyatā), is at least a blissful rest to man, otherwise doomed to an eternity of transmigrations through all forms of visible nature: and while the Svābhāvikas thus underrated the nirvṛtti of the Prājnikas, it is probable that they compensated themselves by magnifying, more than the Prājnikas did, that pravṛttiḥka omnipotence of which the wise man (Buddha) is capable, even upon earth. It has been already stated that the second person of the Prājnika Triad is denominated Buddha and Upāya; of which terms the esoteric sense is this: Every man possesses in his understanding, when properly cultivated according to the rules of Buddhism, the means or expedient (Upāya) of discovering the supreme wisdom of nature (Prajñā), and of realizing by this discovery, in his own person, a plenary omnipotence or divinity! which begins even while he yet lingers in the flesh (in pravṛtti): but which is not fully accomplished till he passes, by the body’s decay, into the eternal state of nirvṛtti.

And as the wisdom of man is, in its origin, but an effluence of the Supreme wisdom (Prajñā) of nature, so is it perfected by a reflux to its source, but without loss of individuality: whence Prajñā is feigned in the exoteric system to be both the mother and the wife of all the Buddhas, “janani sarva Buddhānām,” and “Jina-sundari;” for the efflux is typified by a birth, and the reflux by a marriage.
The Buddha is the adept in the wisdom of Buddhism (Bodhisattva) whose first duty, so long as he remains on earth, is to communicate his wisdom to those who are willing to receive it. These willing learners are the "Bodhisattvas," so called from their hearts being inclined to the wisdom of Buddhism, and "Sanghas," from their companionship with one another, and with their Buddha or teacher, in the Viharas or conobitical establishments.

And such is the esoteric interpretation of the third (and inferior) member of the Prājñā Triad. The Bodhisattva or Sangha continues to be such until he has surmounted the very last grade of that vast and laborious ascent by which he is instructed that he can "scale the heavens," and pluck immortal wisdom from its resplendent source: which achievement performed, he becomes a Buddha, that is, an Omniscient Being, and a Tathāgata—a title implying the accomplishment of that gradual increase in wisdom by which man becomes immortal or ceases to be subject to transmigration. These doctrines are very obscurely indicated in the Buddhist scriptures, whose words have another, more obvious, and very different sense; nor, but for the ambition of the commentators to exhibit their learning, would it be easy to gather the esoteric sense of the words of most of the original scriptures. I never was more surprised than when my old friend recently (after a six years' acquaintance) brought to me, and explained, a valuable comment upon a passage in the Prājñā Pāramitā. Let me add in this place, that I desire all searchers after the doctrine of Bodhijnā to look into the Buddhist scriptures, and judge for themselves; and to remember, meanwhile, that I am not a Sanskrit scholar, and am indebted for all I have gathered from the books of the Buddhist to the mediation of my old Buddhist friend, and of my Pandit.

Their physiognomy, their language, their architecture, civil and religious, their notions in regard to women, and several less important traits in their manners and customs, seem to decide that the origin of the greater part of the Newārs must be assigned to the north; and in the Sambhā Purāṇa, a Buddhist teacher named Manju Ghosha, and Manju Nātha and Manjusri, is stated to have led a colony into Nepal from China;† to have cleared Nepal of the waters which then covered it; to have made the country habitable; to have built a temple to Jyoti-nip-Adi-Buddha; and established Dharmakara (whom he brought with him) as first Raja of Nepal. But I nevertheless suppose (upon the authority of tradition) that Nepal received some colonists from India; and that some of the earliest propagators of Buddhism in Nepal came to the valley direct from India. Be that as it may, the Indian origin of Nepalese Buddhism (whether it reached the valley direct, or via Bhot or China) seems to be unquestionable from the fact that all the great Saugata scriptures of Nepal are written in the Sanskrit language. From the gradual decay of literature and of a knowledge of Sanskrit among the Newārs has resulted the practice, now very common, of translating ritual works into the vernacular tongue; and also the usage of

* Tathā, 'thus, absolutely, verily'; and gata, 'got, obtained'; the thing got being cessation from versatile existence, alias, nirvāṇa pada.

†See Fahien, pp. 112-115 for Manjusri. The place named is Pancha Sirshā Parvata, which the comment saias is in China. The words are both Sanskrit.
adding to the original Sanskrit of such works comments in the vulgar language. The great scriptures however have never been subjected to the former process; seldom to the latter; for owing to Sanskrit having always been considered by the Buddhists of Nepal the language of literature, they have neglected to cultivate their vernacular tongue; nor does there exist to this day a dictionary or grammar of the Newari language.

(31) Of course therefore the Bauddhas of Nepal have not properly any diversity of caste; that is, any indelible distinction of ranks derived from birth, and necessarily carried to the grave. Genuine Buddhism proclaims the equality of all followers of Buddha—seems to deny to them the privilege of pursuing worldly avocations, and abhors the distinction of clergy and laity. All proper Bauddhas are Bandyas; and all Bandyas are equal as brethren in the faith. They are properly all ascetics or monks—some solitary, mostly monobitical. Their convents are called Vihāras. The rule of these Vihāras is a rule of freedom; and the door of every Vihāra is always open, both to the entrance of new comers, and to the departure of such of their old inmates as are tired of their vows. Each Vihāra has a titular superior called Nāyaka, whose authority over his brethren depends only on their voluntary deference to his superior learning or piety. Women are held equally worthy of admission with men, and each sex has its Vihāras.

The old Bauddha scriptures enumerate four sorts of Bandyas, named: Arhan, Bhikshu, Srāvaka, and Chailaka, who are correctly described in the text; and from that description it will be seen that there is no essential distinction between them, the Arhan being only segregated from the rest by his superior proficiency in Bodhiśāna. Of these the proper institutes of Buddhism, there remains hardly a trace in Nepal. The very names of the Arhans and Chailakas have passed away—the names, and the names only, of the other two exist; and out of the gradual, and now total, disuse of monastic institutes, an exclusive minister of the altar, denominated Vajra-Achārya, has derived his name, office, and existence in Nepal, not only without sanction from the Bauddha scriptures, but in direct opposition to their spirit and tendency.

Nepaul is still covered with Vihāras; but these ample and comfortable abodes have long resounded with the hum of industrious and the pleasant voices of women and children. The superior ministry of religion is now solely in the hands of the Bandyas, entitled, Vajra-Achārya in Sanskrit; Gūbdal in Newari: the inferior ministry, such Bhikshus as still follow religion as a lucrative and learned profession, are competent to discharge. And these professions of the Vajra-Achārya, and of the Bhikshu, have become by usage hereditary, as have all other avocations and pursuits, whether civil or religious, in Nepal. And as in the modern corrupt Buddhism of Nepal there are exclusive ministers of religion or priests, so are there many Bauddhas who retain the lock on the crown of the head, and are

§ "Once a priest for ever a priest" is a maxim which Buddhism utterly eschews.
|| Nāyaka, the superior of a convent, is Khampo in Tibet, There in Ceylon, Bandya is Bonza in Japan, Bandida in Altaia; and Arkal is Rabahun in Indo-China. I demur to the frequent use of the word priest as the equivalent of any of these terms.
not Bandyas. These improper Buddhās are called Uḍḍa, Japu, Kami, etc., according to their various avocations and crafts; the Uḍḍa are traders; the Japu, agriculturists; the Kami, craftsmen. They comprise the untonsured class: they never dwell in the Vihāras; look up to the Bandyas with a reverential respect derived from the misapplication of certain ancient tenets; and follow those trades and avocations which are comparatively disreputable (among which is foreign commerce); while the Bandyas, who have abandoned the profession of religion, practise those crafts which are most esteemed. Agriculture is equally open to both; but is, in fact, chiefly followed by the untonsured class, who have thus become, in course of time, more numerous than the Bandyas, notwithstanding the early abandonment by the Bandyas of those monastic vows which their faith enjoins, the resort of the greater part of them to the active business of the world, and their usurpation of all the liberal, and many of the mechanical, arts of their country. The Vajra-Achārya and Bhikṣu are the religious guides and priests of both Bandyas and non-Bandyas.* All Bandyas, whatever be the profession or trade they hereditarily exercise, are still equal; they intermarry, and communicate in all the social offices of life—and the like is true of all of the other classes—but between the one class and the other, growing superstition has erected an insuperable barrier. To the above remarks it may be well to add, that Buddhists, of some one or other of the above denominations, comprise the vast majority of the Newar race, and that the minority, are mostly Saivas and Sāktas; but in a sense peculiar to themselves, and with which my subject does not entitle me here to meddle.

(33) The names are almost all barbarous; that is, not derived from Sanskrit, but from Newari. I have not thought it worth while to enumerate any more of these examples. The Vihāra is built round a large quadrangle, or open square, two stories high; the architecture is Chinese. Chaitya properly means a temple of Buddha, and Vihāra, an abode of cenobitical followers of Buddha.† In the open square in the midst of every Vihāra, is placed a Chaitya or a Kutagar—but those words always bear the senses here attached to them; and Vihāra can never be construed temple—it is a convent, or monastery, or religious house, but never templum Dei vel Buddhe. At the base of the hemisphere of every Nepaul Chaitya are placed the images of the Dhyāni Buddhās. The Chaitya has often been blended with sundry structures, more or less appropriate to Buddhism.

To conclude: with respect to the notes—that portion of this sketch, which is my own—no one can be more sensible than I am that the first half contains a sad jumble of cloudy metaphysics. How far the sin of this indistinctness is mine, and how far that of my original authorities, I cannot pretend to decide; but am ready to take a large share of it to myself. In regard to this, the most

* Bandya has no correlative term, like Laicus of Clerus; one of many arguments in favour of the nonadmittance of that distinction by Buddhism, as elsewhere attempted to be shown; see Fahian pp. 12, 172, 175, and 289, for sundry notices of so-called Clerus et Laicus. Those passages seem to prove that the distinction is foreign to genuine Buddhism.

† Fergusson, tree and serpent worship, p. 79.
BUDDHIST PHILOSOPHY.

speculative part of Buddhism, it is sufficient happiness for me to have discovered and placed within the reach of my countrymen the materials for more accurate investigation, by those who have leisure, patience, and a knowledge of languages for the undertaking; and who, with competent talents, will be kind enough to afford the world the benefit of so irksome an exercise of them.

But I trust that the latter half of the notes, which embraces topics more practical and more within the range of the favourite pursuits of my leisure, will not be found wanting in distinctness; and I can venture confidently to warrant the accuracy of the information contained in it.

QUOTATIONS FROM ORIGINAL SANSKRIT AUTHORITIES.

Several distinguished orientalists having, whilst they applauded the novelty and importance of the information conveyed by my Sketch of Buddhism, called upon me for proofs, I have been induced to prepare for publication the following translation of significant passages from the ancient books of the Saugatas, which still are extant in Nepaul in the original Sanskrit.

These extracts were made for me (whilst I was collecting the works in question) some years ago by Amrita Nanda Bandya, the most learned Buddhist then, or now, living in that country; they formed the materials from which chiefly I drew my sketch; and they would have been long since communicated to the public, had the translator felt sufficiently confident of his powers, or sufficiently assured that enlightened Europeans could be brought to tolerate the 'ingens indigestaque mole' of these 'original authorities;' which however, in the present instance, are original in a higher and better sense than those of Csoma de Körös or of Upham. Without stopping to question whether the sages who formed the Buddhist system of philosophy and religion used Sanskrit or high Prakrit, or both, or seeking to determine the consequent pretension of Upham's authorities to be considered original, it may be safely said, that those of Csoma de Körös can support no claims of the kind.

†Transactions of the Royal Asiatic Society, London; — nee non, Transactions of Bengal Society, vol. xvi.

*The collection comprises, besides sixty volumes in Sanskrit, procured in Nepaul, the very names of which had previously been unknown, some 250 volumes in the language of Tibet, which were obtained from Lasso and Digarchi. But for the existence of the latter at Calcutta, Csoma de Körös's attainments in Tibetan lore had been comparatively useless. The former or Sanskrit books of Nepaul are the authorities relied on in this paper. One complete set has been presented to the Indian Home Government, another procured for the Asiatic Society, and most of the Sanskrit series for the Libraries of Paris and of Oxford. Since the first collection was made in Nepaul, very many new works in the Sanskrit language have been discovered and are yet daily under discovery. The probability now is, that the entire Kahgyur and Slangyur may be recovered in the original language. The whole series has been obtained in that of Tibet, 327 large volumes.

†Upham's authorities, however, even if allowed to be original, appear to consist entirely of childish legends. I allude to the three published volumes. The received hypothesis, viz., that the philosophers of Ayodhya and Magadha, (the acknowledged founders of Buddhism) postponed the use of Sanskrit to that of Prakrit, in the original exposition of their subtle system appears to me as absurd as it does probable that their successors, as Missionaries, resorted to Prakrit versions of the original Sanskrit authorities, in propagating the system in the remotest parts of the continent and in
The native works which the latter gentleman relies on are avowedly Tibetan translations of my Sanskrit originals, and whoever will duly reflect upon the dark and profound abstractions, and the infinitesimally-multiplied and microscopically-distinguished personifications of Buddhism, may well doubt whether the language of Tibet does or can adequately sustain the weight that has been laid upon it.

Sanskrit, like its cognate Greek, may be characterised as a speech "capable of giving a soul to the objects of sense, and a body to the abstractions of metaphysics." But, as the Tibetan language can have no pretensions to a like power, those who are aware that the Saugatas taxed the whole powers of the Sanskrit to embody in words their system, will cautiously reserve, I apprehend, for the Bauddha books still extant in the classical language of India, the title of original authorities. From such works, which, though now found only in Nepal, were composed in the plains of India before the dispersion of the sect, I have drawn the accompanying extracts; and though the merits of the "doing into English" may be small indeed, they will yet, I hope, be borne up by the paramount and (as I suspect) unique authority and originality of my "original authorities," a phrase which, by the way, has been somewhat invidiously, as well as laxly, used and applied in certain quarters.

It is still, I observe, questioned amongst us, whether Brahmanism or Buddhism be the more ancient creed, as well as whether the latter be of Indian or extra Indian growth. The Buddhists themselves have no doubts upon either point. They hesitatingly concede the palm of superior antiquity to their rivals and persecutors, the Brahman; nor do they in any part of the world hesitate in pointing to India as the cradle of their faith.

Formerly we might be pardoned for building fine-spun theories of the exotic origin of Buddhism upon the supposed African locks of Buddha's images: but surely it is now somewhat too late,* in the face of the abundant direct evidence which we possess against the exotic theory, to go in quest of presumptions to the time-out-of-mind illiterate Scythians,† in order to give to them the glory of Ceylon. On this ground, I presume the Prakrit works of Ceylon and Ava to be translations, not originals—a presumption so reasonable that nothing but the production from Ceylon or Ava of original Prakrit works, comparable in importance with the Sanskrit books discovered in Nepal, will suffice to shake it in my mind. Sir W. Jones had a copy of the Lalita Vistara whence he quotes a description of Dharmas as Diva Natura. Sir W. Jones I believe to be the author of the assertion, that the Buddhists committed their system to high Prakrit or Pali; and so long at least as there were no Sanskrit works of the sect forthcoming, the presumption was not wholly unreasonable. It is, however, so now. And Sir W. Jones was not unaware that Magadha or Bihar was the original head-quarters of Buddhism, nor that the best Sanskrit lexicon extant was the work of a Bauddha; nor that the Brahmanas themselves acknowledged the pre-eminent literary merits of their heterodox adversaries. But for his Brahmanical bias therefore, Sir William might have come at the truth, that the Bauddha philosophers employed the classical language.

*Recent discoveries make it more and more certain, that the cave temples of the Western Coast and its vicinity, are exclusively Bauddha. Every part of India is illustrated by splendid remains of Buddhism.

†The Uighurs of Bash Baliz had letters derived from the Nestorian Christians. Thence Sramanism and Christian monachism may have met on the common ground of monachism. Sramanism is nothing more than Tantrika Buddhism.
BUDDHIST PHILOSOPHY.

originating a system built upon the most subtle philosophy, and all the copious original records of which are inshrined in Sanskrit,† a language which, whersoever primevally derived, had been, when Buddhism appeared, for ages proper to the Indian continent.

The Buddhists make no serious pretensions to a very high antiquity: never hint at an extra Indian origin.

Sākya Sinha is, avowedly, a Kshatriya; and, if his six predecessors had really any historical existence, the books which affirm it, affirm too, that all the six were of Brahmanical or Kshatriya lineage.§ Saugata books treating on the subject of caste never call in question the antique fact of a fourfold division of the Hindu people, but only give a more liberal interpretation to it than the current Brahmanical one of their day.¶ The Chinese, the Mongols, the Tibetans, the Indo-Chinese, the Japanese, Ceylonese, and other Indian Islanders, all point to India as the father-land of their creed. The records of Buddhism in Nepal and in Tibet, in both of which countries the people and their mother-tongues are of the Mongol stock, are still either Sanskrit or avowed translations from it by Indian pandits.

Nor is there a single record or monument of this faith in Christendom which bears intrinsic or extrinsic evidence of an extra Indian origin.**

The speculations of a writer of Sir W. Jones's day (Mr. Joinville), tending to prove, argumentatively, from the characters of Buddhism and Brahmanism, the superior antiquity of the former, have been lately revived (see Asiatic Journal, No. CLX.) with applause. But besides that fine drawn presumptions are idle in the face of such a mass of direct evidence as we now possess, the reasonings of Joinville appear to me altogether based on errors of fact. Buddhism (to hazard a character in few words), is monastic asceticism in morals, philosophical scepticism in religion; and whilst ecclesiastical history all over the world affords abundant instances of such a state of thing resulting from gross abuse of the reli-

† The difference between high Prakrit and Sanskrit could not affect this question, though it were conceded that the founders of Buddhism used only the former and not the latter—a concession however, which should not be lightly made, and to which I wholly demur. In fact, it now appears that they used both languages, but Sanskrit only in the philosophical or speculative series of their Sastras.

¶ The Brahmanical or Kshatriya family from which each of these Buddhas sprung is expressly and carefully stated by the Buddhist writers, a fact which I hold to be decisive of this dispute, since if we would carry the synonym of Buddhism beyond the last of these seven Buddhas, we cannot surely think of carrying it beyond the first of them.

See the Buddhist disputation on caste, Royal Asiatic Society's Transactions.

** See Crawford's remarks on the purely Indian character of all the great sculptural and architectural monuments of Buddhism in Java. Also Barrow's remarks to the same effect in his travels in China. The Chinese Pusa is Viṣṇuvarṇāsana Puṣпад or the polyform type of "Diva Natura." See Oriental Quarterly Magazine, No. xvi. pp. 218—222, for proofs of the fact that numberless Baudhā remains have been mistaken for Brahmanical by our antiquaries, and even by the natives. In the same work I have proved this in reference to Crawford's Archipelago, Oriental Quarterly, No. xvi. pp. 232, 235.

Yet, no sooner had I shown, from original authorities, how thoroughly Indian Buddhism is, than it was immediately exclaimed, "Oh! this is Nepalese corruption! these are merely popular grafts from Brahmanism." The very same character belongs to the oldest monuments of Buddhism, extant in India and beyond it; and I have traced that character to the highest scriptural authorities.
BUDDHIST PHILOSOPHY.

Gious sanction, that ample chronicle gives us no one instance of it as a primitive system of belief. Here is a legitimate inference from sound premises. But that Buddhism was, in truth, a reform or heresy, and not an original system, can be proved by the most abundant direct evidence both of friends and of enemies. The oldest Saugata works incessantly allude to the existing superstition as the Māraracharya or way of the evil one,†† contradicting their reformation there- of as the Bodhicharyya or way of the wise; and the Brahmanical impugners of those works (who, upon so plain a fact, could not lie), invariably speak of Buddhism as a notorious heresy.

An inconsiderable section of the Saugatas alone, ever held the bald doctrine of mortal souls: and the Swabhāvikā denial of a creation of matter by the fiat of an absolutely immaterial being, springs not out of the obesity of barbarian dulness, but out of the over-refinement of philosophical ratiocination. Joinville's idea of the speculative tenets of Buddhism is utterly erroneous. Many of them are bad indeed: but they are of philosophy "all compact," profoundly and pain-fully subtle, sceptical too, rather than atheistically dogmatic.

At the risk of being somewhat miscellaneous in this preface, I must allude to another point. The lamented Abel Rémuats sent me, just before he died, a copy of his essay on the Saugata doctrine of the Triad; and Mr. Upham, I find, has deduced from Rémusat's interpretation of that doctrine, the inference (which he supports by reference to sundry expressions in the sacred books of Ceylon), that I am in error in denying that Buddhism, in its first, and most characteristic form, admits the distinction of Clerus et Laicus. It is difficult expressly to define that distinction; but it may be seen in all its breadth in Brahmanism and in Popery; whilst in Islamism, and in the most enthusiastic of the Christian sects, which sprang out of the Reformation, it is wholly lost. According to my view, Apostolic Christianity recognised it not;* the congregation of the faithful, the Church, was a society of peers, of brethren in the faith, all essentially equal, in gifts, as in place and character. On earth, there were no indispensable mediators, no exclusive professional ones; and such alone I understand to be priests.† Again, genuine monachism all over the world, I hold to be, in its own nature, essentially opposed to the distinction of clergyman and layman, though we all know that monastie institutions no sooner are rendered matters of public law and of extensive popular prevalence, than, ex vi necessitatis, the distinction in question is superinduced upon them, by the major part of the monks laicising, and the rest becoming clergy.‡ There are limits to the number of those whom the public can

†† Nàmuchi by name, chief of the Kakodemons.

* I would not be understood to lay stress on his opinion, which is merely adduced to illustrate my argument.

† For example, the Anglican church holds that there is no virtue in any sacerdotal function not performed by the successors of the apostles, who are the only clergy.

‡ History informs us that, soon after monachism supervened upon our holy and eminently social religion, there were in Egypt as many monks almost as peasants. Some of these monks necessarily laicised, and the rest became clergy. The community of the Gossins and several others, of strictly ascetical origin, now in India, exhibit the same necessary change after the sects had become numerouslly followed.
BUDDHIST PHILOSOPHY.

support in idleness; and whose would eat the bread of the public must perform some duty to the public. Yet who can doubt that the true monk, whether cono-
bite or solitary, is he who abandons the world to save his own soul; as the true clergyman is he who mixes with the world to save the souls of others? The latter in respect to the people or laics has a distinctive function, and, it may be, also an exclusive one: the former has no function at all. Amongst entirely monastic sects, then, the exclusive character of priest is objectless and absurd; and who that has glanced an eye over ecclesiastical history knows not that in proportion as sects are enthusiastic, they reject and hate, (though nothing tainted with mon-
achism) the exclusive pretensions of the clergy! Whoever has been able to go along with me in the above reflections can need only to be told that primitive Buddhism was entirely monastic, and of an unboundedly enthusiastic genius, to be satisfied that it did not recognise the distinction in question. But if, being suspicious of the validity of argumentative inferences, he demand of me simple facts, here they are. In the Suta Sthasrīka, Prajnā Pāraṁiśā, or Raksha Bhaḍavati, and also in the nine Dharmas (the oldest and highest written authorities), it is affirmed more or less directly, or is clearly deducible from the context, in a thousand passages (for the subject is not expressly treated), that the only true followers of Buddha are monks; the majority being cononites, the rest, solitary. The fullest enumeration of these followers (Bhikṣu, Srāvakā or Srāmāṇa, Chaitaka, and Arhata or Arhāna or Arhanta) proves them to have been all monks, tonsured, subject to the usual vows, (nature teaching to all mankind that wealth, women and power, are the grand tempters,) resident in monasteries (Vihāra) or in deserts, and essentially peers, though of course acknowledging the claims of superior wisdom and piety. The true church, the congregation of the faithful, (called from this very circumstance Sangha,) is constantly said to consist of such only; and I am greatly mistaken indeed if the church in this sense be synonymous with the clergy; or, if the primitive church of Buddha recognized an absolutely distinct body such as we (i.e., Catholics, Lutherans, and Kirkmen) ordinarily mean when we speak of the latter. The first mention of an exclusive, profession, active, minister of religion, or priest, in the Buddhist books, is in those of a comparatively recent date, and not of scriptural authority. Therein the Vajra Achārya (for so he is called) first appears arrayed with the ordinary attributes of

§ See Guizot's Civilization of Europe, ii. 61-63, & i. 86.
§§ Its distinguishing doctrine is that finite mind can be enlarged to infinite; all the schools uphold this towering tenet, postponing all others to it. As for the scepticism of the Svābhāvikas relative to those transcendent marvels, creation and providence, it is sufficient to prove its remoteness from "flat Atheism," simply to point to the coexistence of the cardinal tenet first named.
*Srāmāṇa includes the whole, and is equally ascetic; Srāmāṇī feminine, equal to monk and nun. Sākya is often called the great Srāmāṇa.

§§ Bunsen's controversy with Gladstone, and his work on the constitution of the church (published in 1847) set this matter clearly in the light in which I viewed it; Bunsen insists on the congregational church as the only true one, says the clergy church is preg-
nant with priestcraft and essentially untenable, contends that the future church must be of the former kind, and adds that the reformation virtually extinguished the clergy church. So Sākya argued and instituted in opposition to the clerical exorbitances of the Brahmana.
BUDDHIST PHILOSOPHY.

a priest. But his character is anomalous, as is that of everything about him; and the learned Baudhads of Nepaul at the present day universally admit the falling off from the true faith. We have in these books, Bhikshus, Srdvakas, Chaitakas, and Säkyà Vansikas,* bound by their primitive rules for ten days (in memory of the olden time) and then released from them; tonsured, yet married; ostensibly monks, but really citizens of the world.

From any of the above the Vajra Acharya is drawn indiscriminately; he keeps the keys of the no longer open treasury; and he is surrounded by unton-
sured followers, who now present themselves for the first time. I pretend not to trace with historical nicety all the changes which marked the progress of Bud-
dhism as a public institute and creed of millions up to the period of the dispersion: but I am well aware, that the primitive doctrines were not, because they could not be, rigidly adhered to, when what I hold to have been at first the closest spec-
ulation of some philosophers, had become the dominant creed of large kingdoms. That the latter character was, however, assumed by Buddhism in the plains of India for centuries† before the dispersion, seems certain; and, as many persons may urge that the thing in question is the dominant public institute, not the closest speculation, and that whatever discipline prevailed before the dispersion must be held for primitive and ortholox, I can only observe that the ancient books of the Saugatas, whilst they glance at such changes as I have adverted to, do so in the language of censure; and that, upon the whole, I still strongly incline to the opinion that genuine or primitive Buddhism (so I cautiously phrased it originally) rejected the distinction of Clerus et Laicus; that the use of the word priest by Upham, is generally inaccurate; and that the Sangha of the Buddhist triad ought to have been invariably rendered by Rému-sat into ‘congregation of the faithful’ or ‘church,’ and never into ‘clergy’ or ‘priesthood.’ Rému-sat indeed seems to consider (Observations, 28–29, and 32,) these phrases as synonymous; and yet the question which their discrimination involves is one which, in respect to our own religion, has been fiercely agitated for hundreds of years; and still, by the very shades of that discrimination, chiefly marks the subsisting distinction between the various Churches of Christ!

* An inscription at Karli identifies the splendid Sālivāhana with the head of the Saka tribe, which is that of Sākya Sinha. The Sākya-Vansikas, or people of the race of Sākya, appeared in Nepaul as refugees from Brahman bigotry, some time after Bud-
dhism had been planted in these hills. Sākya is universally allowed to have been the son of the king Suthodana, sovereign of Magadha, or Bihar (Kosia says Wilson, who calls it a dependency of Bihar). He is said to have been born in the ‘Sthána of Kapila Muni,’ at Gangá Ságara, according to some; in Oude, as others say. His birth place was not necessarily within his father’s kingdom. He may have been born when his father was on a pilgrimage to the shrine of the saint Kapila. Sākya died, according to my authorities, in Assam, and left one son named Rahula Bhadra. (See Caoma de Körös in No. 20 of Journal of Bengal Asiatic Society for origin of Sākya-Van-
sika. Their primitive sect was Tatta, their next Kapila in Oude, whence they migrated into Nepaul.) The Sakas were Kshatriyas of the solar line, according to Baudhada authorities: nor is it any proof of the contrary that they appear not in the Brah-
manical genealogies. See note in the sequel.

† Even if we begin with Asoka we can hardly assign less than six to eight centuries for Buddhist predominance, nor less than about double that duration for more or less of prevalence in the plains of India. (See note at page 76.)
BUDDHIST PHILOSOPHY.

Following the authority he has relied on, Mr. Upham was at liberty, therefore, to adopt a sense which would consist with my interpretation of phrases such as he alluded to, and which, of course, I found copiously scattered over the works I consulted.

I always rendered them advisedly into English, so as to exclude the idea of a priesthood, because I had previously satisfied myself, by separate inquiry and reflection that that cardinal tenet was repugnant to the genius of the creed, and repudiated by its primitive teachers. This important point may have been wrongly determined by me; but assuredly the determination of it upon such grounds as Mr. Upham's is perfectly futile. Such words as Arhanta and Bandya, (which, by the way, are the correct forms of the Burman Rikatu and the Japanese Bonze,) no more necessarily mean priest, clergy, than do the Latin fides and milites as applied to Christianity, as little can such a sense be ascribed to the word Bhikshu, which means 'meediant friar,' and as for the word Sangha, it is inadmissible that it does not mean literally priest, and that it does mean literally 'congregation.'

If, as Rammasat and Upham* appear to insist is the case, every monastic follower of Buddha be a priest, then Bandya or Bonze† must be rendered into English by the word 'clergyman.' But there will still remain as much difference between Bandya and Sangha as, in Christian estimation, between an ordinary parson of the present day, and one of the inspired primitive professors. Of old, the spirit descended upon all alike; and Sangha was this hallowed and gifted congregation. But the glory has passed away, and the term been long sanctified and set apart. So has, in part, and for similar reasons, the word Arhata. But Bandya, as a generic title, and Bhikshu, Sravaka, and Chailaka,‡ as specific ones, are still

**Observations, p. 63.

*Bhikshu now appears to be the word rendered priest by us in Ceylon. But it is unquestionably mendicant, holy beggar, as Therio is Nāgaka or Superior and Upaksa Servitor, of a Convent. See Fahian, 12, 172, 294.

†The possible meaning of this word has employed in vain the sagacity of sundry critics. In its proper form of Bandya (Vandya), it is pure Sanskrit, signifying a person entitied to reverence, and is derived from Vanda na.

Equally curious and instructive is it to find in the Sanskrit records of Buddhism the solution of so many enigmas collected by travellers from all parts of Asia; e.g., Elphinston's mound is a genuine Chaitya, and its proper name in Manikadhana, or the place of the previous relic. The mound is a tomb temple. The "tumuli eorum Christi alteria" of the poet, is more true of Buddhism than even of the most perverted model of Christianity; the cause being probably the same, originally, in reference to both creeds, viz., persecution and martyrdom, with consequent divine honours to the sufferers. The Buddhas, however, have in this matter gone a step further in the descending scale of representative adoration than the Catholics; for they worship the mere image of that structure which is devoted to the enshrining of the relics of their saints; they worship the architectural model or form of the Chaitya.

The Chaitya of Sambhunath in Nāpaul is affirmed to cover Jyoti rāpya Swayamthā, or the self-existent, in the form of flame: nor was there ever anything exclusive of them in the connection of tomb and temple: for Chaityas were always dedicated to the Celestial Buddhas, not only in Nāpaul, but in the plains of India, as the Chaityas of Sanchi, of Gok, and of Bīj, demonstrate. The Dhūnti Buddhas appear in the oldest monuments of the continent and islands.

†Buddhist monachism agrees surprisingly with Christian, whether owing to Nestorian infusion among the Uighurs or otherwise. Thus there are several orders of monks in both; in the former mendicant saints, naked or scantily clothed saints, and learned
BUDDHIST PHILOSOPHY.

every-day names of every-day people, priests, if it must be so, but as I conceive, ascetics or monks merely. In the thick night of ignorance and superstition which still envelopes Tibet, the people fancy they yet behold Arhatas in the persons of their divine Lamas. No such imagination however possesses the heads of the followers of Buddha in Nepaul, Ceylon, or Indo-China; though in the last mentioned country the name Arhata is popularly applied to the modern order of the clergy, an order growing there, as in Nepaul, (if my opinions be sound) out of that deviation from the primitive genius and type of the system which resulted necessarily from its popular diffusion as the rule of life and practice of whole nations.

In conclusion I would observe, that, in my apprehension, Rémuat's interpretation of the various senses of the Triadic doctrine is neither very complete, nor very accurate. In a religious point of view, by the first member is understood the founder of the creed, and all who, following his steps, have reached the full rank of a Maháyanika Buddha; by the second, the law or scriptures of the sect; and by the third, the congregation of the faithful, or primitive church, or body of original disciples, or any and every assemblage of true, i.e., of monastical observers of the law, past or present.

In a philosophical light, the precedence of Buddha or of Dharma indicates the theistic or atheistic school. With the former, Buddha is intellectual essence,§ the efficient cause of all, and underived. Dharma is material essence,|| the plastic cause, and underived, a co-equal biunity with Buddha; or else the plastic cause, as before, but dependent and derived from Buddha. Sangha is derived from, and compounded of Buddha and Dharma, is their collective energy in the state of action; the immediate operative cause of creation, its type or its agent.* With the latter or atheistic schools, Dharma is Dica natura, matter as the sole entity, invested with intrinsic activity and intelligence, the efficient and material cause of all.

Buddha is derivative from Dharma, is the active and intelligent force of nature, first put off from it and then operating upon it. Sangha is the result of that operation; is embryotic creation, the type and sum of all specific forms, which are spontaneously evolved from the union of Buddha with Dharma.†† The saints like the Franciscans, Dominicans, etc., and all of both creeds are usually social, though hermits also be found.

§ Bodhandimaka iti Buddha, 'the intellectual essence is Buddha.'
|| Dharmamakes iti Dharma, 'the holding, sustaining or containing substance is Dharma.' Again, Prakrtenwari iti Prajna, 'the material goddess is Prajna,' one of the names of Dharma. The word Prajna is compounded of the intensive prefix pra, and jnana wisdom, or jna, to know. It imports the supreme wisdom of nature. Dharma is the universal substratum, is that which supports all form and quality in space. The Buddho Dharma is the exact equivalent of the Brahmanical Matra. Matra is that which measures space; Dharma that which supports form and quality in space; both are very just and philosophical ideas relative to what we call matter and substance. The substrans or supporter of all phenomena, whatever its nature, is Dharma.

* Simudaydikika iti Sangha, 'the multitudinous essence is Sangha:' multitude is the diagnosis of the versatile universe, as unity is of that of abstraction.

†† Prajnapayatmakam Jagatah, from Prajna and Upaya, the world. Upaya is the energy of Prajna.
above are the principal distinctions; others there are which I cannot venture here to dwell on.

With regard to Rémusat's remark, "on voit que les trois noms sont placés sur le même niveau, comme les trois représentations des mêmes êtes dans les planches de M. Hodgson avec cette différence que sur celles-ci, Sangha est à droite, et Dharma à gauche," I may just add, that the placing of Sangha to the right is a merely ritual technicality, conformable to the pujā of the Daksināchāras,* and that all the philosophers and religionists are agreed in postponing Sangha to Dharma.

I possess very many drawings exhibiting the arrangement mentioned by Rémusat; but all subservient to mere ritual purposes and consequently worthy of no serious attention. The Matantara, or variorum text of the Pūjārīs of the present day, displays an infinite variety of formula,† illustrated by corresponding sculptural and pictorial devices, embodied in those works, and transferred from them to the walls and interior of temples existing all over the valley of Nepal.

THE SWABHAVIKĀ DOCTRINE.

1. Things are governed or perfected by Swabhāva; I too am governed by Swabhāva. (Aṣṭa Śāhārika.)

2. It is proper for the worshipper at the time of worship to reflect thus: I am Nirūpta,§ and the object of my worship is Nirūpta; I am that God (Īsvara) to whom I address myself. Thus meditating, the worshipper should make pujā to all the celestials: for example, to Vajra Satwa Buddha, let him pay his adorations, first, by recollecting that all things with their Viṣṇu Mantras come from Swabhāva in this order:—from the vīra of the letter Y, air; from that of the letter R, fire; from that of the letter V, or B, water; and from that of the letter L, earth; and from that of the letter S, Mount Sumeru. On the summit of Sumeru is a lotus of precious stones, and above the lotus, a moon crescent, upon which sits, supremely exalted, Vajra Satwa. And as all (other) things proceed from Swabhāva, so also does Vajra Satwa, thence called the self-existent." (Piṇḍa Kānda.)

3. All things and beings (in the versatile universe) which are alike perishable, false as a dream, treacherous as a mirage, proceed, according to some, from Swabhāva (nature), and according to others, from God (Īsvara); and hence it is said, that Swabhāva and Īsvara are essentially one, differing only in name." (Aṣṭa Śāhārika.)

* The theistic sects so call themselves, styling their opposites, the Swabhāvikās and Prajñāvikās, Vamācharas. The Paurānikas, too, often designate the Tantrikas by the latter name, which is equivalent to left-handed.
† See the classified enumeration of the principal objects of Buddhā worship appended to this paper.
§ Sva, own, and bhasa, nature. Idiosyncrasy. || Root, radix, seed.
This may teach us caution in the interpretation of terms. I understand the dogma to announce, that infinite intelligence is as much a part of the system of nature as finite. The mystic allusion to the alphabet imports nothing more than its being the indispensable instrument and means of knowledge or wisdom, which the Buddhists believe man has the capacity of perfecting up to the standard of infinity.
** See note on No. 3, on the Yatnīka system.
4. At the general dissolution of all things, the four elements shall be absorbed in Sûnyâdharma-Akâsa (sheer space) in this order:—earth in water, water in fire, fire in air, and air in Akâsa, and Akâsa in Sûnyatâ, and Sûnyatâ in Tathatâ,* and Tathatâ in Buddha, (which is Mahâ Sûnyatâ†) and Buddha in Bhâvana, and Bhâvana in Swabhâva. And when existence is again evolved, each shall in the inverse order, progress from the other. From that Swabhâva, which communicates its property of infinity to Akâsa, proceeded into being, in Akâsa, the letter A, and the rest of the letters; and from the letters Adi-Buddhâ and the other Buddhas; and from the Buddhas the Bodhi-Satwâs, and from them the five elements, with their Vîja Mantras.‡ Such is the Swabhâvikâ Sansâra; which Sansâra (universe) constantly revolves between Pravritti and Nirvritti, like a potter's wheel. (Diyya Avaddna).

5. Mahâ Sûnyatâ is, according to some Swabhâvas, and according to others, Iswara it is like the ethereal expanse, and self-sustained. In that Mahâ-Sûnyatâ, the letter A, with the Vîja Mantra of Upâya,|| and the chief of all the Vîja Mantras of the letters, became manifest. (Râkshâ Bhagavati.)**

6. Some say creation is from God: if so, what is the use of Yatna or of Karma?*† That which made all things, will preserve and destroy them; that which governs Nirvritti governs Pravritti also. (Buddha Charitra Kâhya.)

7. The Sandal tree freely communicates its fragrance to him who tears off its bark. Who is not delighted with its odour? It is from Swabhâva. (Kalpalatâ.)

8. The elephant's cub, if he find not leafless and thorny creepers in the green wood, becomes thin. The crow avoids the ripe mango.† The cause is still Swabhâva. (Kalpalatâ.)

9. Who sharpened the thorn? Who gave their varied forms, colours, and habits to the deer kind, and to the birds? Swabhâva! It is not according to the will (ichchhâ) of any; and if there be no desire or intention, there can be no intending or designer.†* (Buddha Charitra.)

*Tathata, says the comment, is Satya Jnyana; and Bhavana is Bhava or Satta, i.e., sheer entity.
† See note on quotation 1 of section on Adi-Buddha.
‡ Here again I might repeat the caution and remark at quotation 2. I have elsewhere observed that Swabhavikâ texts, differently interpreted, form the basis of the Ainoevika doctrine, as well as that the Buddhas of the Swabhavikâs, who derive their capacity of identifying themselves with the first cause from nature, which is that cause, are as largely gifted as the Buddhas of the Ainoevika, deriving the same capacity from Adi-Buddha, who is that cause. See remarks on Rémusat in the Journal of the Bengal Asiatic Society, Nos. 32, 33, and 34.
|| Upâya, the expedient, the energy of nature in a state of activity. See the note on No. 6 of the section Adi-Sangha.
** The Râkshâ Bhagavati is the same work as the Prajñâ Paramita.
†* See the note on quotation 9 of this head. Yatna and Karma may here be rendered by intellect and morality.
*† These are assumed facts in Natural History; but not correct.
†* Here is plainly announced that denial of self-consciousness or personality in the causa causarum which constitutes the great defect of the Swabhavika philosophy; and if this denial amount to atheism, the Swabhavikâs are, for the most part, atheists.
BUDDHIST PHILOSOPHY.

10. The conch, which is worthy of all praise, bright as the moon, rated first among excellent things, and which is benevolent to all sentient beings, though it be itself insensate, yields its melodious music, purely by reason of Swabhāva. (Kalpalatā.)

11. That hands and feet, and belly and back, and head, in fine, organs of whatever kind, are found in the womb, the wise have attributed to Swabhāva; and the union of the soul or life (Atma) with body, is also Swabhāva. (Buddha Charitra Kārya.)

12. From Swabhāva (nature) all things proceeded; by Swabhāva all things are preserved. All their differences of structure and of habits are from Swabhāva, and from Swabhāva comes their destruction. All things are regulated (suddha) by Swabhāva. Swabhāva is known as the Supreme. (Pājā Kānda, from the Rakshā Bhagavati, where the substance is found in sundry passages.)

13. Akāsa is Swabhāvikā, because it is established, governed perfected (suddha), by its own force or nature. All things are absorbed in it: it is uncreated or eternal; it is revealed by its own force; it is the essence (Atma**) of creation, preservation, and destruction; it is the essence of the five elements; it is infinite; it is intellectual essence (Bodhandtimika). The five colours are proper to it; and the five Buddhās; and the letters. It is Śūnyatā; self-supported; omnipresent: to its essence belong both Pravritti and Nirvritti. This Akāsa, which is omnipresent, and essentially intellectual,* because infinite things are absorbed into it, is declared to be infinite. From the infinite nature of this Akāsa were produced all moving things, each in its own time, in due procession from another, and with its proper difference of form and habits. From the secret† nature of Akāsa pro-

their denial also of a moral ruler of the universe being a necessary sequel to it. Excepting, however, a small and mean sect of them, they all affirm eternal necessary, entity; nor do any of them reject the soul's existence beyond the grave, or the doctrine of atonement. Still Newton's is, upon the whole, the right judgment, 'Deus sine providentia et domino nihil est nisi futurum et natura.' 'The Swabhāvikā attempts to deify nature are but a sad confusion of cause and effect. But, in a serious religious point of view, I fail to perceive any superiority possessed by the immaterial pantheism of the Brahmanists over the material pantheism of the Buddhists. Metempsychosis and absorption are common to both. Both admit eternal necessary, entity or a substratum for phenomena; both admit intellect; both deny two classes of phenomena as well as two substances for them; both affirm the homogeneity and unreality of all phenomena, and lastly, both leave the personality and active dominion of the causa causarum in obscurity.

*One comment on the comment says, Atma here means śthan or alaya, i. e., the ubi of creation, etc.
* Akāsa is here understood as synonymous with Śūnyatā, that is, as the elemental state of all things, the universal ubi and modus of primal entity, in a state of abstraction from all specific forms: and it is worthy of note, that amidst these primal principles, intelligence has admission. It is therefore affirmed to be a necessary ens, or eternal portion of the system of nature, though separated from self-consciousness or personality. In the same manner, Prakṛti, the sum of all things, Diva natura, is declared to be eternal, and essentially intelligent, though a material principle.
† Secret nature of Akāsa, that is, Akāsa or Ether has no sensible cognizable properties such as belong to the ordinary elements. The gradual evolution of all things in Pravritti and their revolution into Nirvritti being perpetual, seem to prove that the Buddhist Śūnyatā is not nothingness, but rather the utterly inscrutable character of the ultimate semina rerum.
BUDDHIST PHILOSOPHY.

ceeded likewise, together with the Vija Mantra of each one, air with its own mobility; and from air, fire with its own heat; and from fire, water with its intrinsic coldness; and from water, earth with its own proper solidity or heaviness; and from earth, Mount Sumeru with its own substance of gold, or with its own sustaining power (Dhdhátmika); and from Sumeru, all the various kinds of trees and vegetables; and from them, all the variety colours, shapes, flavours, and fragrances, in leaves, flowers, and fruits. Each derived its essential property (as of fire to burn) from itself; and the order of its procession into existence from the one precedent, by virtue of Swabháva,† operating in time. The several manners of going peculiar to the six classes of animate beings (four-legged, two-legged, etc.) and their several modes of birth, (oviparous, etc.)§ all proceeded from Swabháva. From the Swabháva of each mansion or habitat (Bhuvana) resulted the differences existing between the several abodes of all the six orders of animate beings. The existence of the fetus in the womb proceeds from the Swabháva of the union of male and female; and its gradual growth and assumption of flesh, bones, skin, and organs, is caused by the joint energy of the Swabháva of the fetus, and that of time, or the Swabháva of the fetus, operating in time. The procession of all things from birth, through gradual increase, to maturity, and thence, through gradual decay, to death, results spontaneously from the nature of each being; as do the differences appropriated to the faculties of the senses and of the mind, and to those external things and internal, which are perceived by them. Speech and sustenance from dressed food in mankind, and the want of speech and the eating of gam in quadrupeds, together with the birth of birds from eggs, of insects from sweat, and of the Gods (Devátas) without parentage of any sort: all these marvels proceed from Swabháva. (Comment on the Pájá Kánda, quotation 12.)

THE AISWARIKA* SYSTEM.

1. The self-existent God is the sum of perfections, infinite, external, without members or passions; one with all things (in Pravritti), and separate from all things (in Nirvritti), infiniformed and formless, the essence of Pravritti and of Nirvritti.† (Swamamhá Purána.)

† By virtue of Swabháva and of time says another comment; thus time stands out like space, as a something superior to all phenomena, and both are quasi defied by Buddhists and by Brahmanists.

§ By etceutera, understand always more Brahmanorum. That Buddhism forms an integral part of the Indian philosophy is sufficiently proved by the multitude of terms and classifications common to it, and to Brahmanism. The theogony and cosmogony of the latter are expressly those of the former, with sundry additions only, which serve to prove the posteriority of date, and schismatical secession, of the Buddhists. M. Cousin, in his course of philosophy, notices the absence of a sceptical school amongst the Indian philosophers. Buddhism, when fully explained, will supply the desideratum; and I would here notice the precipitation with which we are now constantly drawing general conclusions relative to the scope of Indian speculation, from a knowledge of the Brahmanical writings only—writings equalled or surpassed in number and value by those of the Buddhists, Jains, and other dissenters from the existing orthodox system of Vyana and Sankara Acharya.

*From Iswara, 'God.'

† Pravritti, the versatile universe; Nirvritti, its opposite, this world and the next. Pravritti is compounded of Prá, an intensitative, and avriti, action, occupation, from the root av, to blow as the wind; Nirvritti, of Nír, a privative, and avriti, as before.
BUDDHIST PHILOSOPHY.

2. He whose image is Śūnyatā, who is like a cypher or point, infinite, unsustained (in Nirvṛtti), and sustained (in Pravṛtti), whose essence is Nirvṛtti, of whom all things are forms (in Pravṛtti), and who is yet formless (in Nirvṛtti), who is the Iśwarna, the first intellectual essence, the Adi-Buddha, was revealed by his own will. This self existent is he whom all know as the only true Being; and, though the state of Śūnyatā be his proper and enduring state, yet, for the sake of Pravṛtti, (creation), having become Pancha-jñānātmika, he produced the five Buddhas thus:—from Suvīsuddhārtha-dhātuja-jñāna, Vairochana, the supremely wise, from whom proceed the element of Ākāśa, the organ of sight, and colours; and from Ādārsana-jñāna, Akahobhya, from whom proceed the element of air, the organ of hearing, and all sounds; and from Pratyayekāsha-jñāna, Ratna Sambhava, from whom proceed the element of fire, the organ of smell, and all odours: and from Śānta-jñāna, Amitābha, from whom proceed the element of water, the organ of taste, and all savours; and from Kṛtyanuṣṭhāna-jñāna, Amogha Siddha, from whom proceed the element of earth, the organ of touch, and all the sensible properties of outward things dependent thereon. All these five Buddhas are Pravṛtti-karmānās, or the authors of creation. They possess the five jñānās, the five colours, the five mudrās, and the five vehicles. The five elements, five organs of sense, and five respective objects of sense, are forms of them. And these five Buddhas each produced a Bodhi-Satwa, (for the detail, see Asiatic Society's Transactions, vol. xvi.) The five Bodhi-Satwas are Śrishti-karmānās, or the immediate want of creation; and each, in his turn, having become Sārvaguna, (invested with all qualities, or invested with the three guṇas,) produced all things by his fiat. (Comment on quot. 1.)

3. All things existent (in the versatile universe) proceed from some cause (hetu): that cause is the Tathāgata (Adi-Buddha); and that which is the cause of

|| This is the symbol of the Triad and of the Saktis.
* See Appendix A.
† If Manas, as the sum of the faculties of sense, be excluded, we may render the passage as here; else we must say elements, organs, and objects.
‡ The five Dhyāni Buddhas are said to be Pancha Bhūta, Pancha Indriya, and Pancha Ayatana dādra. Hence my conjecture that they are mere personifications, according to a theistic theory, of the phenomena of the sensible world. The sixth Dhyāni Buddha is, in like manner, the icon and source of the sixth sense, and its object, or Manas and Dharma, i. e., the percipient principle, soul of the senses, or internal sense, and moral phenomena. Manas is the Bhūta, Dharma the Indriya, and Dharma the Ayatana, or, mind, mental apprehension and the appropriate objects of such apprehension, or all things. Mind is the seat of consciousness and perception; whatever its essence, and is the effective cause of all sensation and perception.
§ This important word is compounded of Tathā, thus, and gata, gone or got, and is explained in three ways. First, thus got or obtained, viz., the rank of a Tathāgata, obtained by observance of the rules prescribed for the acquisition of perfect wisdom, of which acquisition, total cessation of births is the efficient consequence. Second, thus gone, viz., the munādama existence of the Tathāgata, gone so as never to return, mortal births having been closed, and Nirvṛtti obtained, by perfection of knowledge. Third, gone in the same manner as it or they (birth or births) came; the sceptical and necessitarian conclusion of those who held that both metempsychosis and absorption are beyond our intellect (as objects of knowledge), and independent of our efforts (as objects of desire and aversion—as contingencies to which we are liable); and that that which causes births, causes likewise (proprio vigore) the ultimate cessation of them.
BUDDHIST PHILOSOPHY.

(versatile) existence is the cause of the cessation or extinction of all (such) existence: so said Sakya Sinha. (Bhadra Kalpaavadana).*

4. Body is compounded of the five elements: soul, which animates it, is an emanation from the self-existent. (Swayambhū-Purāṇa.)

5. Those who have suffered many torments in this life, and have been burned in hell, shall, if they piously serve the Tri Ratna (or Triad), escape from the evils of both. (Avadāna Kalpalatā.)

6. Subandhu (a Rāja of Benares) was childless. He devoted himself to the worship of Iswara (Adi-Buddha;) and by the grace of Iswara a sugar-cane was produced from his semen, from which a son was born to him. The race remains to this day, and is called Ikshava Aku. (Avadāna Kalpalatā.)

7. When all was void, perfect void, [Sūnya, Mahā Sūnya] the triliteral syllable Aum became manifest, the first created, the ineffably splendid, surrounded by all the radical letters (Vija Akṣara,) as by a necklace. In that Aum, he who is present in all things, formless and passionless, and who possesses the Tri Ratna, was produced by his own will. To him I make adoration. (Swayambhū-Purāṇa.)

THE KARMIKA† SYSTEM.

1. From the union of Upśya and Prajnā,† arose Manas, the lord of the senses, and from Manas proceeded the ten virtues and the ten vices; so said Sakya Sinha. [Divya Avasāna].

The epithet Tathāgata, therefore, can only be applied to Adi-Buddha, the self-existent, who is never incarnated, in a figurative, or at least a restricted, sense:—cessation of human births being the essence of what it implies. I have seen the question and answer, 'what is the Tathāgata? It does not come again,' proposed and solved by the Rakṣā Bhagavati, in the very spirit and almost in the words of the Vedas. One of a thousand proofs that have occurred to me how thoroughly Indian Buddhism is. Tathāgata, 'thus gone, or gone as he came,' as applied to Adi-Buddha, alludes to his voluntary secession from the versatile world into that of abstraction, of which no mortal can predicate more than that his departure and his advent are alike simple results of his volition. Some authors substitute this interpretation, exclusively applicable to Adi-Buddha, for the third sceptical and general interpretation above given. The synonym Sugata, or 'well gone, (or well got, that is, happily got so as never to be lost—or virtually got, that is, by rigid observance of the laws or rules prescribed,) for ever quit of versatile existence,' yet further illustrates the ordinary meaning of the word Tathāgata, as well as the ultimate scope and genius of the Buddhist religion, of which the end is, freedom from metempsychosis; and the means, perfect and absolute enlightenment of the understanding, and consequent discovery of the grand secret of nature. What that grand secret, that ultimate truth, that single reality, is, whether all is God, or God is all, seems to be the sole propostum of the oriental philosophical religionists, who have all alike sought to discover it by taking the high prior road. That God is all, appears to be the prevalent and dogmatic determination of the Brahmanists; that all is God, the predominant but sceptical solution of the Buddhists; and, in a large view, I believe it would be difficult to indicate any further essential difference between their theoretic systems, both, as I conceive, the unquestionable growth of the Indian soil, and both founded upon transcendent speculation, conducted in the very same style and manner. See Guizot's Civilisation, ii. 386. India long long preceded Europe in the paths of transcendental philosophy.

* Since ascertained that this passage was misquoted for me, and that it is in fact equivalent to the Sarnath inscription, which should be rendered thus, "Of all things cause-produced the causes hath the Tathāgata explained. The great Sramana hath likewise explained the causes of the extinction of all things." For these causes of existence and non-existence see the next section.

† From Karma, morality, the moral law of the universe.

† See the note on quotation 6 of the section Adi Sūngka. Also the note on quotation 1 of the Yotnikā system.
BUDDHIST PHILOSOPHY.

2. The being of all things is derived from belief, reliance, [pratyaya,] in this order; from false knowledge, delusive impression; from delusive impression, general notions; from them, particulars; from them, the six seats [or outward objects] of the senses; from them, contact; from it, definite sensation and perception; from it, thirst or desire; from it, embryotic [physical] existence; from it, birth or actual physical existence; from it, all the distinctions of genus and species among animate things; from them decay and death, after the manner and period peculiar to each. Such is the procession of all things into existence from Avidyā, or delusion: and in the inverse order to that of their procession, they retrograde into non-existence. And the egress and regress are both Karmas,* wherefore this system is called Kārmika. (Sākya to his disciples in the Rākṣhö Bhāgavatī.)

3. The existence of the versatile world is derived wholly from fancy or imagination, or belief in its reality; and this false notion is the first Karma of Manas, or first act of the sentient principle, as yet unindividualized (?) and unembodied. This belief of the unembodied sentient principle in the reality of a mirage is attended with a longing after it, and a conviction of its worth and reality; which longing is called Sansārīṣṭra and constitutes the second† Karma of Manas. When Sansākāra becomes excessive, incipient individual consciousness arises [third Karma]: thence proceeds an organised and definite, but archetypal body, the seat of that consciousness, [fourth Karma]: from the last results the existence of [the six sensible and cognizable properties of] natural‡ objects, moral and physical, [fifth

---

*The Dasa Karma are, 1 Sanskāra, 2 Vijnāna, 3 Nāmarūpa, 4 Shādyatana, 5 Vedāna, 6 Triṣṇa, 7 Upiddati, 8 Bhava, 9 Jīti, 10 Jārimaranā.
† The first, not second; ten in all.
‡ So I render, after much inquiry, the Śadāyana, or six seats of the senses external and internal; and which are in detail as follows: Rūpa, Sāda, Ganda, Rasa, Sparśa, Dharma. There is an obvious difficulty as to Sparśa, and some also as to Dharma. The whole category of the Āyatanas expresses outward things: and after much investigation, I gather, that under Rūpa is comprised not only colour, but form too, so far as its discrimination (or, in Kārmika terms, its existence) depends on sight; and that all other unspecified properties of body are referred to Sparśa, which therefore includes not only temperature, roughness, and smoothness, and hardness, and its opposite, but also gravity, and even extended figure, though not extension in the abstract.

Here we have not merely the secondary or sensible properties of matter, but also the primary ones; and, as the existence of the Āyatanas or outward objects perceived, is said to be derived from the Indriyas, (or from Manas, which is their collective energy,) in other words, to be derived from the sheer exercise of the perceptive powers the Kārmika system amounts to idealism. Nor is there any difficulty thence arising in reference to the Kārmika doctrine, which clearly affirms that theory by its derivation of all things from Pratyaya (belief), or from Avidyā (ignorance). But the Indriyas and Āyatanas, with their necessary connexion, (and, possibly, also, the making Avidyā the source of all things,) belong likewise to one section at least of the Sādāyana school; and, in regard to it, it will require a nice hand to exhibit this Berkeleyan notion existing co-ordinately with the leading tenet of the Sādāyana. In the way of explanation I may observe, first, that the denial of material entity involved in the Indriya and Āyatana theory (as in that of Avidyā) respects solely the versatile world of Pravrtti, or of specific forms merely, and does not touch the Nirvrtti state of formative power and of primal substance, to which latter, in that condition, the qualities of gravity, and even of extended figure, in any sense cognizable by human faculties, are denied, at the same time, that the real and even eternal existence of a substance, in that state, is affirmed.

Second, though Dharma, the sixth Āyatana, be rendered by virtue, the appropriated
When the archetypally embodied sentient principle comes to exercise itself on these properties of things, then definite perception or knowledge is produced, as that this is white, the other, black; this is right, the other wrong. [sixth Karma.] Thence arises desire or worldly affection in the archetypal body, [seventh Karma] which leads to corporeal conception, [eighth] and that to physical birth, [ninth.] From birth result the varieties of genus and species distinguishing animated nature, tenth Karma, and thence come decay and death in the time and manner peculiar to each, [eleventh and final Karma]. Such is the evolution of all things in Pravritti; opposed to which is Nirvritti; and the recurrence of Nirvritti is the sheer consequence of the abandonment of all absurd ideas respecting the reality and stability of Pravritti, or, which is the same thing, the abandonment of Avidyā; for, when Avidyā is relinquished or overcome, Sanskāra and all the rest of the Karmas or acts of the sentient principle, vanish with it; and also, of course, all mundane things and existences, which are thence only derived. Now, therefore, we see that Pravritti or the versatile world is the consequence of affection for a shadow, in the belief that it is a substance; and Nirvritti is the consequence of an abandonment of all such affection and belief. And Pravṛtti and Nirvṛtti, which divide the universe, are Karmas; wherefore the system is called Karmika. [Comment on quotation 2.]

Since the world is produced by the Karma of Manas, or sheer act of the perceiving principle, it is therefore called Karmika. The manner of procession of all things into existence is thus: from the union of Upāya* and of Prajñā, Manas proceeded; and from Manas, Avidyā; and from Avidyā, Sanskāra; and from Sanskāra, Vijñāna; and from Vijñāna, Nāmarūpa; and from Nāmarūpa, the Shad Ayatana; † and from them, Vedānā; and from it, Tristhā; and from it, Upādāna; object of the internal sense, it must be remembered, most of the Sautkāvikas, whilst they deny a moral ruler of the universe, affirm the existence of morality as a part of the system of nature. Others again (the minority) of the Swabhāvikas reject the sixth Indriya, and sixth Ayatana; and, with them, the sixth Dhanyoni Buddha, or Vajra Sattva, who, by the way, is the Magnus Apoll of the Tondrikas, a sect the mystic and obscene character of whose ritual is redeemed by its unusually explicit enunciation and acknowledgment of a "God above all."

The published explanations of the process of all things from Avidyā appear to me irreconcilably to conflict with the ideal basis of the theory.

*See Fahian, 159 and 291. See also Gogerly, p. 15, his enumeration is precisely ours, though his explanation differs, and I think unintelligible, as is also Colebrooke's. See Ceylon Journal, No. 1.
†That is; colour, odour, savour, sound, the properties dependent on touch, (which are hardness, and its opposite, temperature, roughness and smoothness, and also, I believe gravity and extended figure,) and lastly, right and wrong. They are called the seats of the six senses, the five ordinary, and one internal. In this quotation I have purposely retained the original terms. Their import may be gathered from the immediately preceding quotations and note, which the curious may compare with Mr. Colebrooke's explication. See his paper on the Buddhist philosophy, apud Trans. Roy. As. Society, quarto vol. The following are the details of the three categories, viz:—

<table>
<thead>
<tr>
<th>Bhūtaś</th>
<th>Indriyāś</th>
<th>Ayatanaś</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth</td>
<td>Skin</td>
<td>Tangible properties.</td>
</tr>
<tr>
<td>Water</td>
<td>Palate</td>
<td>Savours.</td>
</tr>
<tr>
<td>Fire</td>
<td>Nose</td>
<td>Odours.</td>
</tr>
<tr>
<td>Air</td>
<td>Ear</td>
<td>Sounds.</td>
</tr>
<tr>
<td>Akāśa</td>
<td>Eye</td>
<td>Colours, forms.</td>
</tr>
</tbody>
</table>
BUDDHIST PHILOSOPHY.

and from it, Bhava; and from it Jati; and from it Jarman a. And from Jati-rupya Manas, [i.e., the sentient principle in organized animate beings] emanated the ten virtues and ten vices. And as men's words and deeds partake of the character of the one or the other, is their lot disposed; felicity being inseparably bound to virtue, and misery to vice, by the very nature of Karma.

Such is the procession of all things into existence from Manas through Avidya: and when Avidya ceases, all the rest cease with it. Now, since Avidya is a false knowledge, and is also the medium of all mundane existence, when it ceases, the world vanishes; and Manas, relieved from its illusion, is absorbed into Upaya Prajna. Pravritti is the state of things under the influence of Avidya; and the cessation of Avidya is Nirvriti; Pravritti and Nirvriti are both Karmas. 

5. The actions of a man's former births constitute his destiny. [Panya Puroda.]

6. He who has received from nature such wisdom as to read his own heart, and those of all others, even he cannot erase the characters which Vidhatris has written on his forehead. [Avadana Kalpalatad.]

7. As the faithful servant walks behind his master when he walks, and stands behind him when he stands, so every animate being is bound in the chains of Karma. (Avadana Kalpalatad.)

8. Karma accompanies everyone, everywhere, every instant, through the forest, and across the ocean, and over the highest mountains, into the heaven of Indra, and into Patala (hell); and no power can stay it. (Avadana Kalpalatad.)

9. Kanala, son of king Asoka, because in one birth he plucked out the golden eyes from a Chaitya, had his own eyes plucked out in the next; and because he in that birth bestowed a pair of golden eyes on a Chaitya, received himself in the succeeding birth eyes of unequalled splendour. (Avadana Kalpalatad.)

10. Sakyas Sinha's son, named Rahulja Bhadra, remained six years in the womb of his mother Yasodhara. The pain and anxiety of mother and son were caused by the Karmas of their former births. (Avadana Kalpalatad.)

11. Although I had acquired (Sakya speaks of himself) a perfect body, still, even in this body, defect again appeared; because I had yet to expiate a small residue of the sins of former births. (Lalita Vistara.)


Manas Perception or conscious sensation. The sum of all phenomena which are homogeneous and result from Manas, and include thought, considered as one of the phenomena of Diva Natura, or thought, that is, human perception regarded as the sole measure of all things, the sole reality.

† The Vamhdaras say, into Prajna Upyas: see note on quotation 6 of the section Adi Suttha.

* Chaitya is the name of the tomb temples or relic-consecrated churches of the Buddhists. The essential part of the structure is the basal hemisphere: above this a square neck or Gala always supports the acutely conical or pyramidal superstructure; and on all four sides of that neck two eyes are placed, which are typical of omniscience. Wherever the hemisphere is found, it is indisputable evidence of Buddhism, e.g., the topes of Manikyala and of Pahawar. In niches at the base of the hemisphere are...
1. Iswara (Adi-Buddha) produced Yatna from Prajñā; and the cause of Pravritti and Nirvritti is Yatna; and all the difficulties that occur in the affairs of this world and the next are vanquished by Yatna (or conscious intellectual effort.)

(Divya Avadāna.)

2. That above mentioned Iswara, by means of Yatna, produced the five Jñānas, whence sprang the five Buddhās. The five Buddhās, in like manner, i.e., by means of Yatna, produced the five Bodhisattvas; and they again, by the same means, created the greater Devatās from their bodies, and the lesser ones from the hairs of the bodies. In like manner, Brahma created the three Lokas and all moving and motionless things. Among mortals, all difficulties are overcome by Yatna; for example, those of the sea by ships, those of illness by medicine, those of travelling by equipages—and want of paper, by prepared skin and bark of trees. And as all our worldly obstacles are removed by Yatna, so the wisdom which wins Nirvritti for us is the result of Yatna; because by it alone are charity and the rest of the virtues acquired. Since therefore all the goods of this world and of the next depend upon Yatna, Sakya Sinha wandered from region to region to teach mankind that cardinal truth. (Comment on quotation 1.)

3. That Adi-Buddha, whom the Swabhāvikas call Swabhāva, and the Aiswarikas, Iswara, produced a Bodhisattva, who, having migrated through the three worlds, and through all six forms of animate existence, and experienced the goods and evils of every state of being, appeared, at last, as Sakya Sinha, to teach mankind the real sources of happiness and misery, and the doctrines of the four schools of philosophy; and then, by means of Yatna, having obtained Bodhijnāna, and having fulfilled all the Prakaśitās (transcendental virtues,) he at length became Nirvāṇa. (Divya Avadāna.)

4. Sakya Sinha, having emanated from that self-existent, which, according to some, is Swabhāva, and, according to others, is Iswara, was produced for the purpose of preserving all creatures. He first adopted the Pravritti Marga (secular

frequently enshrined four of the five Dhyāni Buddhās, one opposite to each cardinal point. Akshobhya occupies the eastern niche; Ratnasambhava, the southern; Amitobha the western; and Amoghaśiddha, the northern. Vairochana, the first Dhyāni Buddhā is supposed to occupy the centre, invisibly. Sometimes, however, he appears visibly, being placed at the right-hand of Akshobhya.

* From Yatna, 'intelt, intellectual force and resource.'
* The celestial, terrestrial, and infernal divisions of the versatile universe.

§ This, as I conceive, is an attempt to remedy that cardinal defect of the older Sūrabhāvika school, viz., the denial of personality, and conscious power and wisdom in the first cause. To the same effect is the Karmikā assertion, that Manas proceeded from the union of Upāya and Pratyuj. Karma I understand to mean conscious moral effort, and Yatna, conscious intellectual effort. Their admission in respect to human nature implies its free will, as their assignation to the divine nature implies its personality.

§ Passages of this entirely pyrrhonic tenor incessantly recur in the oldest and highest authorities of the Buddhists; hence the assertion of the preface that Saktism is rather sceptical than atheistically dogmatic.

‖ Expressly called by my Buddhist pandit the Sūrabhāvika, Aiswarika, Yatnika, and Karmika systems; and the terms well denote the things meant to be designated: see note at p. 23.
charactor,) and in several births exercised Yatna and Karma, reaping the fruits of his actions in all the three worlds. He then exercised Yatna and Karma in the Nirvrittí Márga (ascetical or monastic character) essaying a release from this mortal coil, fulfilling the ten virtues from the Satwa to the Dwápara Yuga, till at last, in the Kali Yuga, having completely freed himself from sublunary cares, having become a Bhikshu,** and gone to Buddha Gayá, he rejected and reviled the Bráhmanical penance, did all sorts of true penance for six years under the tree of knowledge on the banks of the Niranjana river; conquered the Namuchimára,** obtained Bodhijnáma, became the most perfect of the Buddhás, seated himself among the Bodhisatwas, (Ananda Bhikshu and the rest,) granted wisdom to the simple, fulfilled the desires of millions of people, and gave Moksha* to them and to himself. (Lalita Vátsara.)

5. A hare fell in with a tiger: by means of Yatna the hare threw the tiger into a well. Hence it appears that Yatna prevails over physical force, knowledge, and the Mantras. (Bhadra Kalpaśuddha.) 6. Nara Sinha, Rája of Benares, was a monster of cruelty. Satta Swáma Rája, by means of Yatna, compelled him to deliver up 100 Rájkumárs, whom Nara Sinha had destined for a sacrifice to the gods. (Bhadra Kalpaśuddha.)

7. Sudhana Kumára found a beautiful daughter of a horse-faced Rája named Druma. By means of Yatna he carried her off, and kept her; and was immortalized for the exploit. (Śrayambhú Purána.)

**Mendicant: one of the four regular orders of the Bauddhas. See the preface.
* The doctrine of Súnyáta is the darkest corner of the metaphysical labyrinth. Eighteen kinds of Súnyáta are enumerated in the Rákshá Bhiṣagavati. I understand it to mean generally space, which some of our philosophers have held to be a plenum, others a vacuum. In the transcendental sense of the Bauddhas, it signifies not merely the universal ubi, but also the modus existendi of all things in the state of quiescence and abstraction from phenomenal being. The Bauddhas have eternised matter or nature in that state. The energy of nature ever is, but is not ever exerted; and when not exerted, it is considered to be void of all those qualities which necessarily imply perishableness, and, which is the same thing, of all those qualities which are cognisable or distinguishable, and hence the energy in that state is typified by sheer space. Most of the Bauddhas deem (upon different grounds) all phenomena to be as purely illusory as do the Vedántists. The phenomena of the latter are sheer energies of God; those of the former are sheer energies of Nature, deified and substituted for God. See note on quot. 6 of this section Adi Súṅgha. The Aśvánikas put their Adi Buddha in place of the nature of the older Svakshojñas. See Journal of As. Soc. No. 33, Art. 1.
3. He is the cause of all existences in the three worlds; the cause of their well-being also. From his profound meditation (Dhyāna,) the universe was produced by him.

4. He is the self-existent, the Iswara, the sum of perfections, the infinite, void of members or passions: all things are types of him, and yet he has no type: he is the form of all things, and yet formless.

5. He is without parts, shapeless, self-sustained, void of pain and care, eternal and not eternal;* him I salute. (Kāranda Vyūha.)

6. Adi-Buddha is without beginning. He is perfect, pure within, the essence of the wisdom of thatness, or absolute truth. He knows all the past. His words are ever the same.

7. He is without second. He is omnipresent. He is the Nairātmya lion to the Kutirthya deer. (Nāma sangiti.)

8. I make salutation to Adi-Buddha, who is one and sole in the universe; who gives every one Bodhi-jnāna; whose name is Upāya; who became manifest in the greatest Śūnyatā, as the letter A. Who is the Tathāgata; who is known only to those who have attained the wisdom of absolute truth. (Nāma sangiti.)

9. As in the mirror we mortals see our forms reflected, so Adi-Buddha is known (in Pravritti) by the thirty-two lakhanas and eighty anuvijnanas. (Nāma sangiti.)

10. As the rainbow, by means of its five colours, forewarns mortals of the coming weather, so does Adi-Buddha admonish the world of its good and evil actions by means of his five essential colours.§ (Nāma sangiti.)

11. Adi-Buddha delights in making happy every sentient being; he tenderly loves those who serve him. His majesty fills all with reverence and awe. He is the assuager of pain and grief. (Nāma sangiti.)

12. He is the possessor of the ten virtues; the giver of the ten virtues; the lord of ten heavens; lord of the Universe; present in the ten heavens. (Nāma sangiti.)

13. By reason of the ten jnānas, his soul is enlightened. He too is the enlightener of the ten jnānas. He has ten forms and ten significations, and ten strengths, and ten vasitās. He is omnipresent, the chief of the Munis. (Nāma sangiti.)

---

* One in Nirūrtti; the other in Pravṛtti; and so of all the preceding contrasted epistles. Nirūrtti is quiescence and abstraction; Pravṛtti, action and concretion. All the schools admit these two modes, and thus solve the difficulty of different properties existing in cause and in effects.

† Comment says, that Nairatmya is ‘ Sarva Dharmaṇām nirūhīsā lakhanam,’ that is, all things are unreal; and that Tirtha means Moksha, and Kutirtha, any perversion of the doctrine of Moksha, as to say it consists in absorption into Brahma: and it explains the whole thus, ‘He thunders in the ears of all those who misinterpret Moksha, there is no true Moksha but Śūnyatā.’ Another comment gives the sense thus, dividing the sentence into two parts, ‘there is no ātman (life or soul) without him: he alarms the wicked as the lion the deer.’ The first commentator is a Svabhāvika; the second, an Āśvānikā one.

§ White, blue, yellow, red, and green, assigned to the five Dhyāna Buddhas. For a detail of the lakhanas, anuvijnanas, balas, vasitās, etc., of the neighbouring quotations, see Appendix A.
BUDDHIST PHILOSOPHY.

14. He has five bodies, and five jnānas, and five sights; is the mukti of the five Buddhas, without partner. (Nāma sangiti.)

15. He is the creator of all the Buddhas; the chief of the Bodhisatwas are cherished by him. He is the creator of Prajñā, and of the world; himself unmade. Akāśa, he made the world by the assistance of Prajñā; himself unmade. He is the author of virtue, the destroyer of all things.* (Nāma sangiti.)

16. He is the essence of all essences. He is the Vajra-ātmā (eternal being). He is the instantly produced lord of the universe; the creator of Akāśa. He assumes the form of fire, by reason of the Prajñārūpi-jñāna, to consume the straw of ignorance. (Nāma sangiti.)

ADI PRAJNA† OR DHARMA.

1. I salute that Prajñā Pāramitā, who by reason of her omniscience causes the tranquility-seeking Srāvakaśā to obtain absorption; who, by her knowledge of all the ways of action, causes each to go in the path suited to his genius; of whom wise men have said, that the external and internal diversities belonging to all animate nature, are produced by her; who is the mother of Buddha (Buddha Mātra), of that Buddha to whose service all the Srāvakas and Bodhisatwas dedicate themselves. (Panchavīnapratī Sāhasrika.)

2. First air, then fire, then water, then earth,§ and in the centre of earth, Sumeru, the sides of which are the residence of the thirty-three millions of gods (Devatās,) and above these, upon a Lotos of precious stones, sustaining the mansion of the moon (or a moon-crescent), sits Prajñā Pāramitā, in the Lalita-āsan manner; || Prajñā, the mother of all the gods (Prasū-bhagavatāṅga,) and without beginning or end, (amādyanta.) (Bhadracalpaśadāna.)

3. I make salutation to the Prajñā Devī, who is the Prajñā Pāramitā, the Prajñārūpya, the Nirūpya, and the universal mother. (Pūjā kāṇḍa.)

4. Thou Prajñā, art like Akāśa, intact and intangible; thou art above all human wants; thou art established by thy own power. He who devoutly serves thee serves the Tathāgata also. (Ashta Sāhasrika.)

5. Thou mighty object of my worship! thou Prajñā, art the sum of all good qualities; and Buddha is the Guru of the world. The wise make no distinction between thee and Buddha. (Ashta Sāhasrika.)

* The comment on this passage is very full, and very curious, in as much as it reduces many of these supreme deities to mere parts of speech. Here is the summing up of the comment: 'He (Adi-Buddha) is the instructor of the Buddhas and of the Bodhisatvas. He is known by the knowledge of spiritual wisdom. He is the creator and destroyer of all things, the fountain of virtue.' Spiritual wisdom is stated to consist of Sīla, Samādhi, Prajñā, Virākṣa, and Jñāna.
† Adi 'first,' Prajñā 'supreme wisdom, nature.' see p. 12.
§ Name of one of the ascetical orders of Buddhists.
|| i. e., one leg tucked under the seat: the other, advanced and resting on the bow of the moon-crescent.

K1
6. O thou who art merciful to thy worshippers, the benevolent, knowing thee to be the source of Buddhah excellence, attain perfect happiness by the worship of thee! (Ashta Sāhasrika.)

7. Those Buddhahs who are merciful, and the Gurus of the world, all such Buddhahs are thy children. Thou art all good, and the universal mother (Sakalajagat Pitā Mahī.) (Ashta Sāhasrika.)

8. Every Buddha assembling his disciples instructs them how from unity thou becomest multiformed and many named. (Ashta Sāhasrika.)

9. Thou comest not from any place, thou goest not to any place. Do the wise nowhere find thee?" (Ashta Sāhasrika.)

10. The Buddhahs, Pratyekabuddhahs, and Sravakas,† have all devoutly served thee. By thee alone is absorption obtained. These are truths revealed in all Sūtras. (Ashta Sāhasrika.)

11. What tongue can utter thy praises, thou of whose being (or manifestation) there is no cause but thy own will. No Purāṇa hath revealed any attribute by which thou mayest certainly be known. (Ashta Sāhasrika.)

12. When all was Sūnyatā, Prajñā Devī was revealed out of Akāsa with the letter U; Prajñā, the mother of all the Buddhahs and Bodhisatwas, in whose heart Dharma ever resides; Prajñā, who is without the world and the world’s wisdom, full of the wisdom of absolute truth; the giver and the ikon of that wisdom; the ever living (Sanātani); the inescrutable; the mother of Budhha; (Pujā kānda.)

13. O Prajñā Devī! thou art the mother (Janani) of all the Buddhahs, the grandmother of the Bodhisatwas, and great grandmother of all (other) creatures! thou art the goddess (Īśā.) (Pujā kānda.)

14. Thou, Sri Bhāgavatī Devī Prajñā, art the sum of all the sciences, the mother of all the Buddhahs, the enlightener of Bodhijnāna, the light of the universe! (Gunakāranda Vyuḥa.)

15. The humbler of the pride of Namuchimarū,§ and of all proud ones; the giver of the quality of Satya; the possessor of all the sciences; the Lakshmi; the protector of all mortals; such is the Dharma Ratna. (Gunakāranda Vyuḥa.)

16. All that the Buddhahs have said, as contained in the Mahāyāna Sūtra and the rest of the Sūtras, is also Dharma Ratna. (Gunakāranda Vyuḥa.)

* The force of the question is this, the wise certainly find thee.
† The Buddhahs are of three grades: the highest is Mahāyānins, the mediul, Pratyekabuddhins, and the lowest, Śrīvakins. These three grades are called collectively the Trīyāna, or ‘three chariots,’ bearing their possessors to transcendental glory. The Trīyāna are otherwise explained as three paths leading to different degrees of beatitude suited to the different capacities of those who propose to follow them. The Mahāyāna is the great or popular, or the great or most excellent.
‡ Sugata, which the Pāṇḍaveśtras render, ‘of whom Buddha was born;’ the Daśaśudhikāra, ‘born of Buddha, or goer to Buddha;’ as wife to husband.
§ Hence the scriptures are worshipped as forms of Adī Dharma. Sūtra means...
17. Because Buddha sitts on thy brow, the splendour thence derived to thy form illuminates all the ethereal expanse, and sheds over the three worlds the light of a million of suns; the four Devatás, Brahma, Vishnu, Mahesa, and Indra, are oppressed beneath thy foot, which is advanced in the Alir-Asana. O Arya Tará! he who shall meditate on thee in this form shall be relieved from all future births (Saraka Dhárd.)

18. Thy manifestation, say some of the wise, is thus; from the roots of the hairs of thy body sprang Akáss, heaven, earth, and hade, together with their inhabitants, the greater Devatás, the lesser, the Daityas, the Siddhas, Gandharbas, and Nígas. So too (from thy hairs,) wonderful to tell! were produced the various mansions of the Buddhas, together with the thousands of Buddhas who occupy them.† From thy own being were formed all moving and motionless things without exception. (Saraka Dhárd.)

19. Salutation to Prajñá Deví, from whom, in the form of desire, the production of the world was excellently obtained,§ who is beautiful as the full moon; the mother of Adi Buddha, (Jinendra Mátra,) and wife of (the other) Buddha, who is imperishable as adamant. (Sádhana Mádá.)

20. That Yoni, from which the world was made manifest, is the Trikonákára Yantra.|| In the midst of the Yantrá or trikon (triangle) is a bindu (point,cypher): from that bindu, Adi Prajñá revealed herself by her own will. From one side of the triangle Adi Prajñá produced Buddha, and from another side, Dharma, and from the third side, Sangha. That Adi Prajñá is the mother of that Buddha who issued from the first side; and the Dharma, who issued from the second side, is the wife of the Buddha of the first side, and the mother of the other Buddhas. (Comment on quotation 19.)

21. Salutation to Prajñá Páramítá, the infinite, who, when all was void, was revealed by her own will, out of the letter U. Prajñá, the Sakti of Upáya, the sustainer of all things, (Dhármikí) the mother of the world, (Jagannátha;) the Dhyánarúpyá, the mother of the Buddhas. The modesty of women is a form

literally thread of (discourse,) aphorism. Sukya, like other Indian sages, taught orally, and it is doubtful if he himself reduced his doctrines to a written code, though the great scriptures of the sect are now generally attributed to him, though in fact reduced to writing and systematized by his disciples Káśyapa, Ananda, and Upáli. Sútra is now the title of the books of highest authority among the Buddhas.† Composed by Sarrojña Mírápa-da of Kashmir, and in very high esteem, though not of scriptural authority.

These thousands of Buddhas of mortal mould are somewhat opposed to the so-called simplicity of Buddhism! whatever were the primitive doctrines of Sukya it is certain that the system attributed to him, and now found in the written authorities of the sect, is the very antipodes of simplicity.

§ Dharmodaya-sunyata Kámarupáni, variously rendered, ‘well got from the rise of virtue,’ ‘well got from the rise or origin of the world;’ also as in text, Dharmodaya, the source of all things, signifies like wise the Yoni, of which the type is a triangle. See 29. The triangle is a familiar symbol in temples of the Buddha Saktis, and of the śrīni. The point in the midst represents either Adi-Buddha or Adi Prajñá, according to the theistic or atheistic tendency of his opinions who uses it. Our commentator is of the Viśnúchára or atheistic school, and such also is his text. (See Ravenshaw in the J.R.A.S. on the Khat Kon Yantra.)

BUDDHIST PHILOSOPHY.

of her, and the prosperity of all earthly things. She is the wisdom of mortals, and the ease, and the joy, and the emancipation, and the knowledge. Prajñā is present everywhere. (Śākhanā Mūldā.)

ADI SANGHA.*

1. That Amitābha, by virtue of his Santa-jñāna, created the Bodhi-satwa named Padma-pāṇi, and committed to his hands the lotus.† (Guhakāranda Vyūha.)

2. From between his (Padma-pāṇi's) shoulders sprang Brahmā; from his forehead, Mahā Deva; from his two eyes, the sun and moon; from his mouth, the air; from his teeth, Sarasvatī; from his belly, Varuna; from his knees, Lakṣmi; from his feet, the earth; from his navel, water; from the roots of his hair, the Indras and other Devas. (Guhakāranda Vyūha.)

3. For the sake of obtaining Nirvāṇa, I devote myself to the feet of Sangha who, having assumed the three Guṇas, created the three worlds. (Prājñā kānda.)

4. He (Padma-pāṇi) is the possessor of Satya Dharma, the Bodhi-satwa, the lord of the world, the Mahā-satwa, the master of all the Dharmas. (Guhakāranda Vyūha.)

5. The lord of all worlds, (Sarvalokādhipa,) the Śri-mān, the Dharma Rāja, the Lokesvarā, sprang from Adi-Buddha** (Jinātmajā.) Such is he whom men know for the Sangha Ratna. (Guhakāranda Vyūha.)

6. From the union of the essences of Upāya and of Prajñā** proceeded the world which is Sangha.

P.S. With regard to the consistency or otherwise of the view of the subject taken in the sketch of Buddhism, with the general tenor of the foregone quota-

* Adi 'first,' Sangha 'congress, union.'
† Type of creative power. Amitābha is the fourth Dhātuvini or celestial Buddha: Padma-pāṇi is his Ācara and executive minister. Padma-pāṇi is the presens Deus and creator of the existing system of worlds. Hence his identification with the third member of the Triad. He is figured as a graceful youth, erect, and bearing in either hand a lotus and a jewel. The last circumstance explains the meaning of the celebrated Shadaskhorī Mantra, or six-lettered invocation of him, viz., Om maṇi padme hum/ of which so many corrupt versions and more corrupt interpretations have appeared from Chinese, Tibetan, Japanese, Mongolian, and other sources. The mantra in question is one of three, addressed to the several members of the Triad. 1. Om sarva vidye hum. 2. Om Prajñāya hum. 3. Om maṇi-padme hum. 1. The mystic triform Deity is in the all-wise (Buddha). 2. The mystic triform Deity is in Prajñā (Dharma). 3. The mystic triform Deity is in him of the jewel and lotus (Sangha).

** From Amītabha Buddha, immediately: mediately from Adi-Buddha.

** Such is the Atavakika reading. The Prajñāpāramitā read 'from the union of Prajñā and Uṣṇīṣa.'

With the former, Upāya is Adi-Buddha, the efficient and plastic cause, or only the former; and Prajñā is Adi Dharma, plastic cause, a binunity with Buddha, or only a
BUDDHIST PHILOSOPHY.

89

ations, I would observe, that the ideal theory involved in the Prājñika-Svābhāvikā, and in the Kārmika doctrines, was omitted by me in the sketch, from some then remaining hesitation as to its real drift, as well as its connexion with those schools, and no other. Upon this exclusive connexion I have still some doubt. For the rest, I retain unchanged the opinions expressed in the sketch, that the Kārmika and Yāmika schools are more recent than the others—that they owe their origin to attempts to qualify the extravagant quietism of the primitive Svābhāvikās, and even of the Āśwārikas—and that their contradicting distinguishing mark is the preference given by them respectively to mortals, or to intellect, with a view to final beatitude. The assertion of the Ashtasahasrikā, that Svabhāva or nature absolutely disposes of us, not less than the assertion of other works, that an immaterial abstraction so disposes of us, very logically leads the author of the Buddha Charitra to deny the use of virtue or intellect. To oppose these ancient notions was, I conceive, the especial object of those who, by laying due stress on Karma and Yatma, gave rise to the Kārmika and Yāmika schools. But that these latter entertained such just and adequate notions of God's providence, or man's free will, as we are now familiar with, it is not necessary to suppose, and is altogether improbable. None such they could entertain if, as I believe, they adopted the more general principles of their predecessors. The ideal theory or denial of the reality of the versatile world, has, in some of its numerous phrases, a philosophical foundation; but its prevalence and popularity among the Buddhists are ascribable principally to that enthusiastic contempt of action for which these quietists are so remarkable. Their passionate love of abstractions is another prop of this theory.

product. With the latter, Upaya is the energy of Prajñā, the universal material cause.

The original aphorism, as I believe, is, 'Prajnopāyaṁtmakam jagattah,' which I thus translate: 'From the universal material principle, in a state of activity, proceeded the world.' This original Śūtra has, however, undergone two transformations to suit it to the respective doctrines of the Triadic Āśwārikas and of the Kārmikas. The version of the former is, Upaya-prajno'ttmaṁ sāngha, that of the latter is, Upaya-prajno'ttmakam manas. Of both, the Upaya is identical with Adi-Buddha, and the Prajñā, with Adi Dharma. But the result—the unsophisticated jagat of the Prājñikas, became Adi Sāṅgha, a creator, with the Āśwārikas: and Manas, the sentient principle in man, the first production, and producer of all other things, with the Kārmikas. Avidyā, or the condition of mundane things and existences, is an illusion, alike with the Prājñikas and with the Kārmikas. But, whilst the former consider Avidyā the universal affection of the material and immediate cause of all things whatever; the latter regard Avidyā as an affection of manas merely, which they hold to be an immaterial principle and the mediate cause of all things else, Adi-Buddha being their final cause. The phenomena of both are homogeneous and unreal: but the Prājñikas derive them, directly, from a material source—the Kārmikas, indirectly, from an immaterial fount. Our sober European thoughts and languages can scarcely cope with such extravagancies as these: but it would seem we must call the one doctrine material, the other, immaterial, idealism.

The phenomena of the Prājñikas are sheer energies of matter: those of the Kārmikas, are sheer (human) perceptions. The notions of the former rest on general grounds—those of the latter, on particular ones, or (as it has been phrased) upon the putting the world into a man's self; the Greek "pant on metron anthropos."
Buddhist Philosophy.

Appendix A.

Detail of the Principal Attributes of Adi-Buddha and of the Eighteen Sunyata.

The Thirty-Two Lakshana.*

1. Chakranikitapānīpādatālatā.
2. Supratishthitatapānīpādatālatā.
5. Saptochhandatā.
6. Dirghāṅgulitā.
7. Ayatapārāhita.
8. Rujugātātā.
10. Urdhāngaromatā.
11. Aimeyaunghatā.
15. Suklachhavitā.
17. Urmālankritamukhatatā.
18. Sinhapūrvardhikāyatā.
20. Chittāntarangatā.
22. Nyagrodhaparimandalatā.
23. Ukhānasirnakatā.
24. Prabhūtajihvatat.
25. Prastambaratā.
27. Suklahanutat.
28. Samadantatā.
29. Hansavikrāntagamitā.
30. Aviraladantatā.
31. Samacatwārinaddantatā.
32. Abhiniflanetaratā.

The Eighty Vyanjana.

1. Atamranakhatatā.
2. Snigdhanakhatatā.
3. Tunganakhatatā.
5. Anupūrvāṅgulitā.
7. Nirgranthiśrītatā.
8. Gūḍhagulphatatā.
10. Sinhavikrāntagamitā.
12. Hansavikrāntagamitā.
13. Vrishabhavikrāntagamitā.
15. Chārubāgāmitā.
17. Vrittagātātā.
18. Mriahtagātātā.
20. Vyapagatilakalagāratatā.
22. Snigdhpānilekhitā.
23. Gambhrapānilekhitā.
27. Bhīmabratinboothatā.
29. Tanujihvatat.
30. Maghagarjitaahoheetat.
31. Raktajihvatat.
32. Madhurachārumanjuswaratā.
33. Vrittaadanshtaratā.
34. Titikshdashtaratā.
35. Sukladanshtaratā.
36. Sāmadanashtratā.
37. Anupūrvadanshtaratā.

* Rémuat in his Mélanges applies all these to Sākyā.
BUDDHIST PHILOSOPHY.

20. Suchīgātratā. 60. Suchināśikatā.
24. Prithu-śārumandalagātratā. 64. Ayatakrikatā.
27. Sukumāragātratā. 67. Pīnāyatabhujalatatā.
29. Utsāhagātratā. 69. Anupahatakarnendriyatā.
30. Gambhirakukhitā. 70. Aparītānalatatā.
32. Svibhaktāṅgāpratyangatā. 72. Suparipūrtambamāntā.
33. Vitimiraududdhālokatā. 73. Bhramarasadriśikastā.
34. Vitungakukhitā. 74. Chittrekestāt.
35. Mrīṣhaktukukhitā. 75. Guhyakṣeṣṭā.
37. Akaḥbhakukhitā. 77. Aparashakṣeṣtā.
38. Gambhirānakhitā. 78. Surabhikṣeṣtā.
39. Pradakṣināvāntākhitā. 79. Śrīvaṭsamuktiśanandastā.
40. Samantaprāśādikatā. 80. Vartulacihmāntapānīpādatātā.

THE FIVE VARANA.

1. Sweta. 2. Śila. 3. Pīta. 4. Raka. 5. Syāma.

THE TEN PARAMITA.*

2. Śīla. 7. Upeya.

THE TEN BHUVANA.†

1. Pramudita. 6. Abhimukṭī.
2. Vimalā. 7. Durangamā.
5. Sudurjaya. 10. Dharmameghā.

*Burnouf renders the ten: Charity, Morality, Patience, Industry, Meditation, Ingenuity, Wish or Prayer, Fortitude, Foreknowledge, Method.
†Compare pp. 42 43. We have here no heaven for Adi-Buddha, nor any for any one of the five Dhyāni Buddhas.
BUDDHIST PHILOSOPHY.

THE TEN JNAÑAS.

1. Dukkhajñāna.† 6. Arthajñāna.§
2. Samudrayajñāna.† 7. Samprajñāna.§
3. Niruddhajñāna.† 8. Parachittajñāna.§
5. Dharmajñāna.† 10. Anupādajñāna.§

THE TEN AKARA.


THE TEN ARTHA.||

5. Vyānārtha. 10. Dhanañjayartha.

THE TEN BALT.

1. Sthānāsthānajñānānabala. 7. Dhyānavimookhasamādhisamāpattisan-
klesavadyavadtānajñānānabala.
4. Nānavimuktijñānānabala. 10. Asravakshayajñānānabala.

THE TEN VASITA.

2. Chittavedita. 7. Adhimuktivedita.

THE FIVE KAYA.


† Five in Nirvṛtti. § Five in Pravṛtti.
* Evolution of the five elements in Pravṛtti.
† Revolution of the five elements in Nirvṛtti.
|| Five in Pravṛtti and five in Nirvṛtti; and so of the Bala and Vasita.
### BUDDHIST PHILOSOPHY

#### THE FIVE CHAKSHU.

1. Mārṣaṇa-chakshu.
2. Dharma-chakshu.
3. Prajñā-chakshu.
4. Divya-chakshu.
5. Buddh-chakshu.

#### THE EIGHTERN SUNYATA.

1. Adhyātmasūnyatā.
2. Bāhīrthāsūnyatā.
3. Adhyātmasāmīnānātā.
4. Śvāyatsūnyatā.
5. Mahāsūnyatā.
6. Paramānānātā.
7. Sānkrātisūnyatā.
8. Anumānānātā.
10. Anavāraṇasūnyatā.
11. Anavakārasūnyatā.
13. Sarvadharmasūnyatā.
15. Anupalambhasūnyatā.
17. Subhavasūnyatā.
18. Abhavasubhavasūnyatā.

#### MATANTARA TWENTY SUNYATA.

19. Lakhanasūnyatā.
20. Alakhanasūnyatā.

#### APPENDIX B.

**CLASSIFIED ENUMERATION OF THE PRINCIPAL OBJECTS OF BUDDHA WORSHIP.**

- **Ekdāmāyā.**
  - Upāya.
  - Adi-Buddha.
  - Mahā-Vairochana.
- **Ekādmyā.**
  - Prajñā.
  - Prajñā-pāramitā.

**Dvādśmāyā.**

1. Upāya.¥
2. Prajñā.¥
1. Prajñā.†
2. Upāya.†

**Tryādmāyā.**

1. Dharma.†
2. Buddha.†
3. Sangha.†
2. Sangha.§
3. Dharma.§
1. Buddha.§
3. Sangha.§

**Pancha-Buddhāmdyā.**

4. Amitābha.
2. Akāshobhya.
1. Vairochana.
3. Ratnasambhava.
5. Amoghasiddha.||

**Pancha-Prajñāmdyā.**

4. Pāṇḍura.
2. Lokanātha.
3. Māmaki.
5. Tārā.

¥ Root of theistic doctrine.
† Root of atheistic doctrine.
§ Theistic; diversely so.
|| These five are the famous Dhyāni Buddhas. A sixth is often added, or Vajra Satwa. The series of five is the common exoteric one: the sixth seems to belong rather to the esoteric system.
BUDDHIST PHILOSOPHY.

Pancha-Sanghamādyā.

Pancha-Sanghamādyā.

Matāntara-Pancha-Buddhāmādyā.

Matāntara-Pancha-Prajñāmādyā.

Matāntara-Pancha-Sanghamādyā.

Matāntara-Pancha-Sanghamādyā.

Matāntara-Pancha-Buddhāmādyā.

Matāntara-Pancha-Prajñāmādyā.

Shad-Aṃdyā-Buddhāh.

Shat-Prajñāmādyā.

Shat-Sanghamādyā.

Mānushiya-Supto-Buddhāmādyā.*
1. Vipasyī. 7. Sākyasinha.

Matāntara-Mānushiya-Supto-Buddhāmādyā.

Prajñā-Mierita-Dyāni-Nava-Buddhāmādyā.

* All the Deities named above are Dhyāni, or celestial. The following are Mānushiya Dhārāṇī, as specified.
BUDDHIST PHILOSOPHY.

Dhyāni-Nava-Buddhāmṛtyuḥ.


Dhyāni-Nava-Prajñāmṛtyuḥ.


Dhyāni-Nava-Saṅghāmṛtyuḥ.


Māripa-Nava-Buddhāmṛtyuḥ.


Nava-Dharmāmṛtyuḥ-Paustakṛyā (Buddha-Dharma-saṅgha-Mandale
Pāṇākrame etan Muñam.)


Nava-Bodhisatva-Saṅghāmṛtyuḥ.


Nava-Devī-Prajñāmṛtyuḥ.


Māripa-Nava-Dharmāmṛtyuḥ.


Mānipā-Nava-Buddhāmṛtyuḥ.


Mānipā-Nava-Buddhāmṛtyuḥ.

1. Dīpankara. 2. Ratnagarbha. 3. Vipasyī. 4. Śikhi. 5. Viswabha.

* Avalokiteśvara is probably identical with Matayendra nath, the introducer of Nathism into Buddhism, but not with Padma Pani, the fourth Dhyāni Bodhisatva, though now usually so identified. Maitreya is the Buddha next to come; Manjughosha is a historical person and the apparent introducer of Saktism into Buddhism: 4-5 are Dhyānīs, shadows like the rest. Guhyeswari is now worshipped by the orthodox as the Sakti of Pampati Nath. But the expelled Buddhists claim the goddess as their own and affirm that there is a subterranean way from their great temple of Sambhunath to hers.

† For Ratnagarbha see Fañian, p. 116. We have here nine mortal Buddhas.
BUDDHIST PHILOSOPHY.

Mānasābhya-Nāva-Prajñānāmyāyi.


Nava-Bhūkṣu-Sanghamānyāyā.


Iti-Sri-Ekaṃnādyā-Navāmnāya-Deratāh Samāptāh

N.B.—The authority for these details is the Dharma Sangraha, or catalogue raisonné of the terminology of the Baudha system of philosophy and religion.

EUROPEAN SPECULATIONS ON BUDDHISM.]

In the late M. Abel-Rémusat's review of my sketch of Buddhism, (Journal des Savans, Mai, 1831,) with the perusal of which I have been favoured by Mr. J. Princep, there occurs (p. 203) the following passage: "L'une des croyances les plus importantes, et celle sur laquelle l'essai de M. Hodgson fournit le moins de lumières, est celle des avénements ou incarnations (avatāras). Le nom de Tathāgata (avenue śākya) n'est point expliqué dans son mémoire; et quant aux incarnations, le religieux dont les réponses ont fourni la substance de ce mémoire, ne semble pas en reconnaître d'autres que celles des sept Bouddhas. Il est pourtant certain qu'on en compte une infinité d'autres; et les lamas du Tibet se considèrent eux-mêmes comme autant de divinités incarnées pour le salut des hommes."

I confess I am somewhat surprised by these observations, since whatever degree of useful information relative to Buddhism my essays in the Calcutta and London Transactions may furnish, they profess not to give any (save ex vi necessitatis) concerning the ‘veritable nonsense’ of the system. And in what light, I pray you, is sober sense to regard ‘une infinité’ of phantoms, challenging belief in their historical existence as the founders and propagators of a given code of laws? The Lalita Vistara gravely assigns 505, or according to another copy, 550, avatāras to Śākya alone. Was I seriously to incline to the task of collecting and recording all that is attributed to these palpable nonentities? or, was it merely desired that I should explain the rationale of the doctrine instead of seven, which latter is the usual series, vide the Amarakośa. The Southrons usually cite only four. All depends on the Kalpas, each has its own Buddhas, and to the last or present Śākya belong the four of southern notoriety.

* Yasodharā was the wife of Śākya, and Rahula their son. Rahula therefore ought to have been the ninth Sangha: but he was dull and little known whilst Ananda was most famous and succeeded Śākya as Heresiarch after Kāsapa's speedy demise.

† Printed from the Journal of the Asiatic Society of Bengal. Nos. 32, 33, and 34, A.D. 1834.

** A radical mistake; see the sequel.
of incarnation? If the latter only be the desideratum, here is a summary recapitulation of what I thought I had already sufficiently explained.

The scale of Baudhā perfectibility has countless degrees, several of which towards the summit express attributes really divine, however short of the transcendental glory of a tathāgata in nirvāṇa. Nevertheless, these attributes appertain to persons subject to mortal births and deaths, of which the series is as little limited as is that scale of cumulative merits to which it expressly refers. But, if the scale of increasing merits, with proportionate powers in the occupiers of each grade, have almost infinite extent, and yet mortal birth cleave to every grade but the very highest, what wonder that men-gods should be common? or, that the appearance again in the flesh, of beings, who are far more largely gifted than the greatest of the devataḥ, should be called an avatāra? Such avatāras, in all their successive mortal advents till they can reach the estate of a tathāgata, are the arhantaḥ, and the bodhisattvas, the pratyeka and the śrāvaka-Buddha. They are gods and far more than gods; yet they were originally, and still saṃsārd birth and death are, mere men. When I stated that the divine Lamas of Tibet are, in fact, arhantaḥ: but that a very gross superstition had wrested the just notion of the character of the latter to its own use, I thought I had enabled every reader to form a clear idea of that marvel of human folly, the immortal mortals, or present palpable divinities of Tibet! How few and easy the steps from a theory of human perfectibility, with an apparently interminable metempsychosis, to a practical tenet such as the Tibetans hold!

But Rémuas speaks of the incarnations of the tathāgataḥ: this is a mistake, and a radical one. A Tathāgata may be such whilst yet lingering in the flesh of that mortal birth in which he reached this supreme grade;—and here, by the way, is another very obvious foundation for the Tibetan extravagance—but when once, by that body's decay, the Tathāgata has passed into nirvāṇa, he can never be again incarnated. The only true and proper Buddha is the Mahā Yānika or Tathāgata Buddha. Such are all the 'sēpt Buddha;' of whom it is abundantly certain that not one ever was, or, by the principles of the creed, could be, incarnated. Sākya's incarnations all belong to the period preceding his becoming a Tathāgata. Absolute quietism is the enduring state of a Tathāgata: and, had it been otherwise, Buddhism would have been justly chargeable with a more stupendous absurdity than that from which Rémuas in vain essays to clear it. 'Plusieurs absurds—plusieurs infinis' there are; and they are bad enough, though the absolute infinity be restricted to the fruition of the subject. But the case would have been tenfold worse had activity been ascribed to these beings; for we should then have had an unlimited number of infinite ruling providences! The infinite of the Buddhists is never incarnated; nor the finite of the Brahmans. Avatāras are an essential and consistent part of Brahmanism—an unessential and inconsistent part of Buddhism: and there is always this material difference between the avatāra of the former and of the latter, that whereas in the one it is an incarnat-

* Not a syllable is told of these mortal Bodhisattvas with the exception of the last, Sākya's most famous disciple.
tion of the supreme and infinite spirit, for recognised purposes of creation or rule; in the other, it is an incarnation of a mere human spirit—(however approximated by its own efforts to the infinite) and for what purpose it is impossible to say, consistently with the principles of the creed. I exclude here all considerations of the dhyani, or celestial Buddhas, because Rémusat's reference is expressly to the seven manusi or human ones.

The word Tathāgata is reduced to its elements, and explained in three ways—first, thus gone, which means gone in such a manner that he (the Tathāgata) will never appear again; births having been closed by the attainment of perfection. 2nd. thus got or obtained, which is to say, (cessation of births) obtained, degree by degree, in the manner described in the Buddha scriptures, and by observance of the precepts therein laid down, in a word by tapas and Dhyāna, or severe ascetic purity and transcendental meditation. 3rd. thus gone, that is, gone as it (birth) came—the pyrrhonic interpretation of those who hold that doubt is the end, as well as beginning, of wisdom; and that that which causes births, causes likewise the ultimate cessation of them, whether that 'final close' be conscious immortality or virtual nothingness. Thus the epithet Tathāgata, so far from meaning 'come' (avenu), and implying incarnation, as Rémusat supposed, signifies the direct contrary, or 'gone for ever,' and expressly announces the impossibility of incarnation; and this according to all the schools, sceptical, theistic, and atheistic.

I shall not, I suppose, be again asked for the incarnations of the Tathāgatas.* Nor, I fancy, will any philosophical peruser of the above etymology of this important word have much hesitation in refusing, on this ground alone, any portion of his serious attention to the 'infinite' of Buddhist avatāras, such as they really are. To my mind they belong to the very same category of mythological shadows with the infinity of distinct Buddhas, which latter, when I first disclosed it as a fact in relation to the belief of these sectaries, led me to warn my readers "to keep a steady eye upon the authoritative assertion of the old scriptures, that Sākya is the seventh and last of the Buddhas,"† though I believe that Sākya's six predecessors are voce et præterea nihil.

The purpose of my two essays on Buddhism was to seize and render intelligible the leading and least absurd of the opinions and practices of these religious sects, in order to facilitate to my countrymen the study of an entirely new and difficult subject in those original Sanskrit authorities* which I had discovered and placed

*To the question, what is the tathāgata, the most holy of Buddhist scriptures returneth for answer, "It does not come again, it does not come again."

Nearly seventy volumes in Sanskrit, and some in the language of Tibet, were sent by me to Calcutta between the years 1824 and 1830. The former had never been before heard of, nor the latter possessed, by Europeans.

[See the notices of the contents of the Tibetan works and their Sanskrit originals by M. Csoma de Koros, and by Professor H. H. Wilson in the third volume of Gleanings, and first volume of Journal As. Soc.—Ed.]

See at pp. 137-139 of vol. i. for list of Sanskrit works. Eventually I procured from Lhasa the complete Kagyur and Stangyur in 827 large volumes. The catalogue thereof had previously been obtained, and its general character reported on before Csoma de Koros made his appearance.
Within their reach, but no living interpreters of which, I knew, were accessible to them, in Bengal or in Europe.

I had no purpose, nor have I, to meddle with the interminable sheer absurdities of the Bauddha philosophy or religion; and, had I not been called upon for proofs of the numerous novel statements my two essays contained, I should not probably have recurred at all to the topic. But sensible of the prevalent literary scepticism of our day and race, I have answered that call, and furnished to the Royal Asiatic Society, a copious selection from those original works which I had some years previously discovered the existence of in Nepal. I trust that a further consideration of my two published essays, as illustrated by the new paper just mentioned, will suffice to remove from the minds of my continental readers most of those doubts of Rémysat, the solution of which does not necessarily imply conversancy on my part with details as absurd as interminable. I cannot, however, be answerable for the mistakes of my commentators. One signal one, on the part of the lamented author in question, I have just discussed; others of importance I have adverted to elsewhere: and I shall here confine myself to the mention of one more belonging to the review from which I have quoted. In speaking of the classification of the people, Rémysat considers the vajra dhadrya to be laics; which is so far from being true that they and they alone constitute the clergy. The bhikshuka can indeed perform some of the lower offices of religion: but the vajra dhadrya solely are competent to the discharge of the higher; and, in point of fact, are the only real clergy. That the distinction of clericus et laicus in this creed is altogether an anomaly, resulting from the decay of the primitive asceticism of the sect, I have endeavoured to shew elsewhere, and cannot afford room for repetition in this place.

The critics generally have been, I observe, prompt to adopt my caution relative to local superstitions, as opposed to the original creed of the Bauddhas. But they have carried their caution too far, and by so doing, have cast a shade of doubt and suspicion over things sufficiently entitled to exemption therefrom. Allow me, then, to reverse the medal, and to shew the grounds upon which a great degree of certainty and uniformity may always be presumed to exist in reference to this creed, be it professed where it may.

Buddhism arose in an age and country celebrated for literature; and the consequence was, that its doctrine and discipline were fixed by means of one of the most perfect languages in the world (Sanskrit), during, or immediately after, the age of its founder.

Nor, though furious bigots dispersed the sect, and attempted to destroy its records, did they succeed in the latter attempt. The refugees found, not only safety, but protection, and honour, in the immediately adjacent countries, whither they safely conveyed most of their books, and where those books still exist, either in the original Sanskrit, or in most carefully made translations from it. The Sata Šāhārika-Prjñā-Pāramitā, and the nine Dharmas, discovered by me in Nepal, are as indisputably original evidence of Buddhism as the Vedas and Purānas are of Brahmanism. The Kāhgyur of Tibet has been proved to have been
rendered into Tibetan from Sanskrit, with pains and fidelity: and if the numerous books of the Burmese and Ceylonese be not originals, it is certain that they were translated in the earlier ages of Buddhism, and that they were rendered into a language (high Prakrit) which, from its close affinity to that of the original books of the sect, (Sanskrit,) must have afforded the translators every facility in the prosecution of their labours.

But if the Buddhists, whether of the continent or islands of India, or of the countries beyond the former, still possess and consult the primitive scriptures of their faith, either in the original language, or in careful translations, made in the best age of their church, how can Buddhism in the several countries where it is practically used as the rule of life and of faith, fail to exhibit a common character as to essentials at least. And wherefore, I would fain know, should European scholars, from their study, incessantly prate about mere local rites and opinions, constituting the substance of whatever is told to the intelligent traveller by the present professors of this faith in diverse regions—nay, constituting the substance of whatever he can glean from their books? In regard to Nepaul, it is just as absurd to insinuate, that the Prajñā Pāramitā, and the nine Dharmas were composed in that country, and have exclusive reference to it, as to say that the Hebrew Old, or Greek New Testament was composed in and for Italy, France, or Spain exclusively. Nor is it much less absurd to affirm, that the Buddhism of one country is materially unlike the Buddhism of any and every other country professing it, than it would be to allege the same of Christianity.

Questionless, in the general case, documentary is superior to verbal evidence. But the superiority is not without limit: and where, on the one hand, the books referred to by our closet students are numerous and difficult, and respect an entirely new subject, whilst, on the other hand, our personal inquirers have time and opportunity at command, and can question and cross-question intelligent witnesses, and cause reference to be made to the written authorities, the result of an appeal to the living oracles will oft times prove as valuable as that of one to the dead without any other guide.

Let the closet student, then, give reasonable faith to the traveller, even upon this subject; and, whatever may be the general intellectual inferiority of the orientals of our day, or the plastic facility of change peculiar to every form of polytheism, let him not suppose that the living followers of Buddha cannot be profitably interrogated touching the creed they live and die in; and, above all, let him not presume that a religion fixed, at its earliest period, by means of a noble written language, has no identity of character in the varied countries where it is now professed, notwithstanding that that identity has been guarded, up to this day, by the possession and use of original scriptures, or of faithful translations from them, which were made in the best age of this church.

For myself, and with reference to the latter point, I can safely say that my comparisons of the existing Buddhism of Nepaul, with that of Tibet, the Indo-Chinese nations and Ceylon, as reported by our local enquirers, as well as with
Buddhist Philosophy.

that of ancient India itself, as evidenced by the sculptures of Gaya, and of the cave temples of Aurungabad, have satisfied me that this faith possesses as much identity of character in all times and places as any other we know, of equal antiquity and diffusion.

P.S.—Whether Rémusat's *āvēnu* be understood loosely, as meaning 'come,' or strictly, as signifying 'come to pass,' it will be equally inadmissible as the interpretation of the word Tathāgata; because Tathāgata is designed expressly to announce that all reiteration and contingency whatever is barred with respect to the beings so designated. They cannot come; nor can anything come to pass affecting them.

And if it be objected, that the mere use of the word *āvēnu*, in the past tense, does not necessarily imply such reiteration and conditional futurity, I answer that Rémusat clearly meant it to convey these ideas, or what was the sense of calling on me for the successive incarnations of these *āvēnu*? It has been suggested to me that *abolut*, used substantively, implies 'activity.' Perhaps so, in Parian propriety of speech. But I use it merely as opposed to relative with reference to mere mortals; and I trust that the affirmation—there are many absolutes, many infinites, who are nevertheless inactive—may at least be distinctly understood. I have nothing to do with the reasonableness of the tenet so affirmed or stated, being only a reporter.

*See the explanation of these sculptures by a Nepalese Buddhist in the Quarterly Oriental Magazine No. xiv. pp. 218, 222.

†As a proof of the close agreement of the Bauddha systems of different countries, we may take this opportunity of quoting a private letter from Colonel Burney, relative to the 'Burmese Philosopher Prince,' Mekkara Men, the King of Ava's uncle.

"The prince has been reading with the greatest interest M. Cœma de Korog's different translations from the Tibet scriptures in your journal, and he is most anxious to obtain the loan of some of the many Tibetan works, which the Society is said to possess. He considers many of the Tibetan letters to be the same as the Burmese, particularly the b, m, s, and y. He is particularly anxious to know if the monastery called Zedawuna still exists in Tibet, where, according to Burmese books, Godama dwelt a long time, and with his attendant Ananda planted a bough which he had brought from the great *pipal* tree, at Buddha-Gaya. The prince is also anxious to know whether the people of Tibet wear their hair as the Burmese do? how they dress, and how their priests dress and live? The city in which the monastery of Zedawuna stood, is called in the Burmese scriptures *Thavoththi*, and the prince ingeniously fancies, that Tibet must be derived from that word. The Burmese have no s, and always use their soft th, when they meet with that letter in Pali or foreign words—hence probably *Thawoththi* is from some Sanskrit name Sawot. I enclose a list of countries and cities mentioned in the Burmese writings, as the scene of Godama's adventures, to which if the exact site and present designation of each can be assigned from the Sanskrit or the Tibetan authorities, it will confer an important favour on Burmese litterati." It is highly interesting to see the spirit of inquiry stirring in the high places of this hitherto benighted nation. The information desired is already furnished, and as might be expected, the Burmese names prove to be copied through the Prakrit or Pali, directly from the Sanskrit originals, in this respect differing from the Tibetan, which are translations of the same name.

‡ *Acēnu* signifies *quod evexit, contigit*, that which hath happened.—*Dictionnaire de Trevoux.* Tathāgata; *tathā* thus (what really is), *gata* (known, obtained).—(Wilson's Sans. Dict.)—Ed.
Adverting again to Rémusat's Review in the Journal des Savans for May, 1831, I find myself charged with another omission more important than that of all mention of the Avatars. It is no less than the omission of all mention of any other Buddha than the seven celebrated Mânasî. The passage in which this singular allegation is advanced is the following: "Les noms de ces sept personnages (the 'Septa Buddha') sont connus des Chinois, et ils en indiquent une infinité d'autres dont le Bouddhiste Nipâlien ne parle pas."

My Essay in the London Transactions was the complement and continuation of that in the Calcutta Researches. Rémusat was equally well acquainted with both; and, unless he would have had me indulge in most useless repetition, he must have felt convinced that the points enlarged on in the former essay would be treated cursorily or omitted, in the latter. Why, then, did he not refer to the Calcutta paper for what was wanting in the London one? Unless I greatly deceive myself, I was the first person who shewed clearly, and proved by extracts from original Sanskrit works, that Buddhism recognises "une infinité" of Buddhas,—Dhyanî and Mânasî, Pratyekâ, Sâvaka, and Mahâ Yânikâ.* The sixteenth volume of the Calcutta Transactions was published in 1828. In that volume appeared my first essay, the substance of which had, however, been in the hands of the Secretary nearly three years before it was published.§ In that volume I gave an original list of nearly 150 Buddhas (p. 446, 449): I observed that the Buddhas named in the Buddhist scriptures were "as numerous as the grains of sand on the banks of the Ganges;" but that, as most of them were nonentities in regard to chronology and history, the list actually furnished would probably more than suffice to gratify rational curiosity; on which account I suppressed another long list, drawn from the Samâdhi Râja, which was then in my hands, (p. 444.) By fixing attention on that cardinal dogma of Suptesim, viz., that man can enlarge his faculties to infinity, I enabled every inquirer to conclude with certainty that the Buddhâs had been multiplied ad libitum. By tracing the connexion between the Arhantas and the Bodhisatwas; between the latter again, and the Buddhas of the first, second, and third, degree of eminence and power; I pointed out the distinct steps by which the finite becomes confounded with the infinite,—man with Buddha; and I observed in conclusion that the epithet Tathâgata, a synonym of Buddha, expressly portrays this transition. (London Transactions, vol. ii. part i.)

† Printed from the Journal of the Bengal Asiatic Society, No. 33, A.D. 1834.

* The triyâna, or three paths to bliss (of three different degrees) suited to the respective capacities of the several followers of this creed, want elucidation. The Mahâyâna is elsewhere spoken of as the humblest path; some call it the highest.

§ According to usage in that matter provided.
BUDDHIST PHILOSOPHY.

them from original sources. All the gentlemen of the residency can testify to
the truth of this assertion; and can tell those who would be wiser for the know-
ledge, that it is often requisite to walk heedfully over the classic fields of the valley
of Nepaul, lest perchance you break your shins against an image of a Buddha!
These images are to be met with everywhere, and of all sizes and shapes, very
many of them endowed with a multiplicity of members sufficient to satisfy the
teeming fancy of any Brahman of Madhya Dese! Start not, gentle reader, for
it is literally thus, and not otherwise. Buddhas with three heads instead of one
—six or ten arms in place of two! The necessity of reconciling these things
with the so called first principles of Buddhism,* may reasonably account for delay
in the production of my pictorial stores. Meantime, I cannot but smile to find
myself consoled with for my poverty when I am really, and have been for ten
years, accablés des richesses! One interesting result only have I reached by means
of these interminable trifles; and that is, strong presumptive proof that the cave
temples of Western India are the work of Buddhists solely, and that the most ap-
parently Brahmanical sculptures of those venerable fanes are, in fact, Buddhist.
A hint to this effect I gave so long ago as 1827, in the Quarterly Oriental Mag-
azine, (No. XVI. p. 210;) and can only afford room to remark in this place, that
subsequent research had tended strongly to confirm the impressions then derived
from my very learned old friend Amrita Nanda. The existence of an infinite
number of Buddhas; the existence of the whole Dhyâni class of Buddhas; the
personality of the Triad; its philosophical and religious meanings; the classification
and nomenclature of the (ascetical or true) followers of this creed; the dis-
tinction of its various schools of philosophy; the peculiar tenets of each school,
faintly but rationally indicated; the connexion of its philosophy with its religion;
and, as the result of all these, the means of speaking consistently upon the general
subject,† are matters for the knowledge of which, if Rémusat be not wholly
indebted to me and my authorities, it is absolutely certain that I am wholly
swindled to him and his; for till he sent me his essay on the Triad, I had
never seen one line of his, or any other continental writer’s, lucubrations on
Buddhism.

I have ventured to advance above that in the opinion of a learned friend, the
Chinese and Mongolian works on Buddhism, from which the continental savans
have drawn the information they possess on that topic, are not per se adequate
to supply any very intelligible views of the general subject.

As this is an assertion which it may seem desirable to support by proof, allow
me to propose the following. Rémusat observes, that a work of the first order
gives the subjoined sketch of the Buddhist cosmogony. “Tous les êtres étant
contenus dans la tres pure substance de la pensée, une idée surgit inopinément et

* See Erskine’s Essays in the Bombay Transactions.
† A learned friend assures me that “a world of Chinese and Mongolian enigmas
have been solved by means of your general and consistent outline of the system, but
for which outline the said enigmas would have continued to defy all the Continental
Edipuses.” (Sir G. Haughton in epia. 16 January, 1832.)
produisit la fausse lumière ; quand la fausse lumière fut née, le vide et l'obscurité s'imposèrent réciproquement des limites. Les formes qui en résultèrent étant indéterminées, il y eut agitation et mouvement. De là naquit le tourbillon de vent qui contient les mondes. L'intelligence lumineuse était le principe de solidité, d'ou naquit la roue d'or qui soutient et protège la terre. Le contact mutuel du vent et du métal produit le feu et la lumière, qui sont les principes des changements et des modifications. La lumière précieuse engendre la liquéfixation qui bouillonne à la surface de la lumière ignorée, d'ou provient le tourbillon d'eau qui embrasse les mondes de toute part."

Now I ask, is there a man living, not familiar with the subject, who can extract a particle of sense from the above passage? And are not such passages, produced in illustration of a novel theme the veriest obscurations thereof? But let us see what can be made of the enigma. This apérem cosmogonique de Langyen-king, is, in fact, a description of the procession of the five elements, one from another, and ultimately from Prajñā, the universal material principle, very nearly akin to the Padhāna of the Kapila Sāṁkhya. This universal principle has two modes or states of being, one of which is the proper, absolute, and enduring mode; the other, the contingent, relative, and transitory. These modes are termed respectively Nirvṛtti and Pravṛtti.

The former is abstraction from all effects, or quiescence: the latter is concretion with all effects, or activity.* When the intrinsic energy of matter is exerted, effects exist; when that energy relapses into repose, they exist not. All worlds and beings composing the versatile universe are cumulative effects; and though the so-called elements composing them be evolved and revolved in a given manner, one from and to another, and though each be distinguished by a given property or properties, the distinctions, as well as the orderly evolution and revolution, are mere results of the gradually increasing and decreasing energy of nature in a state of activity.† Upāya, or ' the expedient,' is the name of this energy;—increase of it is increase of phenomenal properties;—decrease of it is decrease of phenomenal properties. All phenomenaare homogeneous and alike unreal; gravity and extended figure, no less so than colour and sound. Extension in the abstract is not a phenomenon, nor does it belong properly to the versatile world. The productive energy begins at a minimum of intensity, and increasing to a maximum, thence decreases again to a minimum. Hence dīkṣā, the first product, has but one quality or property; air, the second, has two; fire, the third, has three; water, the fourth, has four; and earth, the fifth, has five.*

* See Bailly's History of Asia, pp. 114, 118, 124, 187, of vol. i; also pp. 130, 187. Wondrous concord of ideas! Also Goguet, I. 170.

† Causes and effects, quoad the versatile world, cannot be truly alleged to exist. There is merely customary conjunction, and certain limited effects of proximity in the precedent and subsequent, by virtue of the one true and universal cause, viz, Prajñā. With the primitive Sāṁkhāvikas cause is not utilised: for the rest, their tenets are very much the same with those above explained in the text; only their conclusions incline rather to scepticism than dogmatism. It may also perhaps be doubted whether with the latter school, phenomena are unreal as well as homogeneous. In the text, I would be understood to state the tenets of the Prajñāvikas only.

* There is always cumulation of properties, but the number assigned to each element is variously stated.
These elements are evolved uniformly one from another in the above manner, and are revolved uniformly in the inverse order.

Sīnyātā, or the total abstraction of phenomenal properties, is the result of the total suspension of nature's activity. It is the ubi, and the modus, of the universal material principle in its proper and enduring state of nirvāṇa, or of rest. It is not nothingness, except with the sceptical few. The opposite of Sīnyātā is Āvidyā, which is the mundane affection of the universal principle, or the universal principle in a state of activity, that is, of pravṛtti. Āvidyā is also the result of this disposition to activity; in other words it represents phenomenal entities, or the sum of phenomena, which are regarded as wholly unreal, and hence their existence is ascribed to ignorance or Āvidyā. Now, if we revert to the extract from the Lang-yen-king, and remember that la pensée, l'intelligence lumineuse, and la lumière précieuse, refer alike to Prajñā, the material principle of all things, (which is personified as a goddess by the religionists,) we shall find nothing left to impede a distinct notion of the author's meaning, beyond some metaphorical flourishes analogous to that variety of descriptive epithets by which he has characterised the one universal principle. Tourbillon de vent, and tourbillon d'eau are the elements of air and of water, respectively; and le principe de solidité is the element of earth.

"Tous les êtres étant contents dans la pure substance de Prajñā une idée surgit inopinément et produisit la fausse lumière:"—that is, the universal material principle, or goddess Prajñā, whilst existing in its, or her, true and proper state of abstraction and repose, was suddenly disposed to activity, or impressed with delusive mundane affection (Āvidyā.) "Quand la fausse lumière fut née, le vide et l'obscurité s'imposèrent réciproquement des limites." The result of this errant disposition to activity, or this mundane affection, was that the universal void was limited by the coming into being of the first element, or ākāśa, which, as the primary modification of sīnyātā (space), has scarcely any sensible properties. Such is the meaning of the passage "les formes qui en resulèrent étant indéterminées," immediately succeeding the last quotation. Its sequel again, "il y eut agitation et mouvement," merely refers to mobility being the characteristic property of that element (air) which is about to be produced. "De la naquit le tourbillon de vent, qui contient les mondes." Thence (i.e., from ākāśa) proceeded the element of the circumambient air. "L'intelligence lumineuse étot le principe de solidité, d'on naquit la roue d'or qui soutient et protège la terre." Prajñā in the form of light (her pravṛttika manifestation) was the principle of solidity, whence proceeded the wheel of gold which sustains and protects the earth. Solidity, the diagnostic quality of the element of earth, stands for that element; and the wheel of gold is mount Meru, the distinctive attribute of which is protecting and sustaining power: this passage, therefore, simply announces the evolu-

* Prajñā is literally the supreme wisdom, videlicet, of nature. Light and flame are types of this universal principle, in a state of activity. Nothing but extreme confusion can result from translating these terms au pied de la lettre, and without reference to their technical signification. That alone supremely governs both the literal and metaphorical sense of words.
tion of the element of earth, with its mythological appendage, mount Meru. But, according to all the authorities within my knowledge, earth is the last evolved of the material elements. Nor did I ever meet with an instance, such as here occurs, of the direct intervention of the first cause (Prajñā) in the midst of this evolution of the elements. "Le contact mutuel du vent et du métal produit le feu et la lumière, qui sont les principes des changements." The mutual contact of the elements of air and of earth produce fire and light, which are the principles of change. This is intelligible, allowance being made for palpable mistakes. I understand by it, merely the evolution out of the element of air of that of fire, of which light is held to be a modification. To the igneous element is ascribed the special property of heat, which is assumed by our author as the principle of all changes and transformations. Metal for earth is an obvious misapprehension of Rāmaśat'a. Nor less so is the false allocation of this element (earth) in the general evolution of the five, and its introduction here.

"La lumière précieuse engendre la liquidité qui bouillonne à la surface de la lumière ignée, d'où provient le tourbillon d'eau qui embrasse les mondes."

Prajñā (in the form of light) produces the liquidity which boils on the surface of igneous light, whence proceeds the element of water embracing the world.

This figurative nonsense, when reduced to plain prose, merely announces the evolution of the element of water from that of fire. Our terrestrial globe rests upon the waters like a boat, according to the Buddhists; and hence the allusion (embracing the world) of the text. What is deserving of notice is the direct interference, a second time, (and in respect to earth, a third time,) of the causa causans with the procession of the elements, one from another. All my authorities are silent in regard to any such repeated and direct agency: which amounts in fact, to creation properly so called—a tenet directly opposed to the fundamental doctrine of all the Swabhāvikas. Certain Buddhists hold the opinion, that all material substances in the versatile world have no existence independent of human perception. But that the Chinese author quoted by Mr. Rāmaśat'a was one of these idealists, is by no means certain. His more immediate object, in the passage quoted, evidently was, to exhibit the procession of the five material elements, one from another. To that I at present confine myself, merely observing of the other notion, that what has been stated of the homogeneousness and unreality of all phenomena, is not tantamount to an admission of it. The doctrine of Avidyā, the mundane affection of the universal principle, is not necessarily the same with the doctrine which makes the percipient principle in man the measure of all things." Both may seem, in effect, to converge towards what we very vaguely call idealism; but there are many separate paths of inquiry by which that conclusion may be reached.

Nepaul, August, 1834.

* Manas, the sixth element, is the percipient principle in man. The Chinese author mentions it not, unless the passage beginning "la même force," and immediately following that I have quoted, was designed to announce its evolution. That passage, as it stands, however, does not assert more than the homogeneousness of this sixth element with the other five.
I resume my notice of Rémusat's speculations on Buddhism in the Journal des Savans.

He observes, "On ne serait pas surpris de voir que, dans ce système, la formation et la déstruction des mondes soient présentés comme les résultats d'une révolution perpétuelle et spontanée, sans fin et sans interruption;" and afterwards remarks, "Il y a dans le fond même des idées Bouddhiques une objection contre l'éternité du monde que les théologiens de cette religion ne semblent pas avoir prouvée. Si tous les êtres rentrent dans le repos réel et définitif à l'instant que les phénomènes cessèrent et disparaissent dans le sein de l'existence absolu, on conçoit un terme où tous les êtres seroient devenus Buddha, et où le monde aurit cessé d'exister."

This Buddha, it is said, is "l'intelligence infinie, la cause souveraine, dont la nature est un effet."

Now, if there be such a supreme immaterial cause of all things, what is the meaning of alleging that worlds and beings are spontaneously evolved and re-rolled? and, if these spontaneous operations of nature be expressly allowed to be incessant and endless, what becomes of the apprehension that they should ever fail or cease?

As to the real definitive repose, and the absolute existence, spoken of, they are as certainly and customarily predicated of Divus natura by the Swabhávikas, as of God or Adi-Buddha, by the Aiswarikas; to which two sects respectively the two opposite opinions confounded by Rémusat exclusively belong.

Again, "Tout est vide, tout est délibusion, pour l'intelligence suprême (Adi-Buddha, as before defined). L'Avidyá seul donne aux choses du monde sensible une sorte de réalité passagère et purement phénoménale." Avidyá, therefore, must according to this statement, be entirely dependant on the volition of the one supreme immaterial cause; yet immediately after, it is observed, "on voit, à travers des brouillards d'un langage énigmatique, ressortir l'idée d'une double cause de tout ce qui existe, savoir l'intelligence suprême (Adi-Buddha) et l'Avidyé ou matière."

But the fact is, that Avidyé is not a material or plastic cause. It is not a substance, but a mode—not a being, but an affection of a being—not a cause, but an effect. Avidyé, I repeat, is nothing primarily causal or substantial: it is a phenomenon, or rather the sum of phenomena; and it is "made of such stuff as dreams are." In other words, all phenomena are, according to this theory, absolutely homogeneous, and utterly unreal. The Avidyéists, therefore, are so far from belonging to that set of philosophers who have inferred two distinct substances and causes from the two distinct classes of phenomena existing in the world, that they entirely deny the justice of the premises on which that inference is rested.

Rémusat next observes, "Les effets matériels sont subordonnés aux effets psychologiques"—and in the very next page we hear that "on appelle lois les rapports qui lient les effets aux causes, tant dans l'ordre physique que dans l'ordre moral,
Now, if there be really but one class of phenomena in the world, it must be either the material, or the immaterial, class: consequently, with those who hold this doctrine, the question of the dependence or independence of mental upon physical phenomena, must, in one essential sense, be a mere façon de parler. And I shall venture to assert, that with most of the Buddhists—whose cardinal tenet is, that all phenomena are homogenous, whatever they may think upon the further question of their reality or unreality—it is actually such.

It is, indeed, therefore necessary “joindre la notion d'esprit” before these puzzles can be allowed to be altogether so difficult as they seem, at least to be such as they seem; and if mind or soul “have no name in the Chinese language,” the reason of that at least is obvious; its existence is denied. Mind is only a peculiar modification of matter; et l'ordre unique de l'univers c'est l'ordre physique! Not fifty years since a man of genius in Europe declared that “the universal system does not consist of two principles so essentially different from one another as matter and spirit; but that the whole must be of some uniform composition; so that the material or immaterial part of the system is superfluous.”

This notion, unless I am mistaken, is to be found at the bottom of most Indian systems of philosophy, Brahmanical and Buddhist, connected with a rejection in some shape or other of phenomenal reality in order to get rid of the difficulty of different properties existing in the cause (whether mind or matter) and in the effect.

The assertion that “material effects are subordinate to psychological” is no otherwise a difficulty than as two absolutely distinct classes of phenomena, are assumed to have a real existence; and I believe that there is scarcely one school of Buddhist philosophers which has not denied the one or the other assumption; and that the prevalent opinions include a denial of both. All known phenomena may be ascribed to mind or to matter without a palpable contradiction; nor, with the single exception of extent, is there a physical phenomenon which does not seem to countenance the rejection of phenomenal reality. Hence the doctrines of Avidyā and of Māyā; and I would ask those whose musings are in an imitative etern, whether the Buddhas device be not as good a one as the Brahmanical, to stave off a difficulty which the unaided wit of man is utterly unable to cope with?

* A writer in the Edinburgh Review for January 1852, p. 192, says that to make immortality dependant on immateriality is most illogical.
† Rémiusat desired to know how the Buddhists reconcile multiplicity with unity, relative with absolute, imperfect with perfect, variable with eternal, nature with intelligence.

I answer; by the hypothesis of two modes—one of quiescence, the other of activity; one of development, the other of non-development. But when he joins “l'esprit et la matière” to the rest of his antitheses, I must beg leave to say the question is entirely altered, and must recommend the cautious to a consideration of the extract given in the text from a European philosopher of eminence. Not that I have any sympathy with that extravagance, but that I wish merely to state the case fairly for the Buddhists.
‡ Time and Space; which however cannot, and are not classed among phenomena by Indian or European philosophers. Limited time and space are considered quasi phenomena by all.

† See Ballantyne's Vedanta, p. 80: the very phrase “ignorance” or Ajñāna is essentially the same and more precise than Māyā.
Questionless, it is not easy, if it be possible, to avoid the use of words equivalent to material and psychological; but the tenet obviously involved in the formal subordination of one to the other class of phenomena, when placed beside the tenet, that all phenomena are homogeneous, at once renders the former a mere trick of words, or creates an irreconcilable contradiction between the two doctrines, and in fact Rémusat has here again commingled tenets held exclusively by quite distinct schools of Buddhist philosophy.

If I have been held accountable for some of the notions above remarked on, I suspect that these my supposed opinions have been opposed by something more substantial than "des arguties mystiques." Rémusat expressly says, "M. Hodgson a eu parfaitement raison d'admettre, comme base du système entier, l'existence d'un seul être souverainement parfait et intelligent, de celui qu'il nomme Adi-Buddha." Now, I must crave leave to say that I never admitted anything of the sort; but, on the contrary, carefully pointed out that the "système entier" consists of four systems, all sufficiently different, and two of them, radically so—viz., the Swabhāvikas and the Aiswarikas. It is most apparent to me that Rémusat has made a mélange out of the doctrines of all the four schools; and there are very sufficient indications in the course of this essay that his principal authority was of the Swabhāvikas sect.

In speaking of the two bodies of Buddha he remarks, that "le véritable corps est identifié avec la science et la loi. La substance même est la science (Prajñā)." He had previously made the same observation, "La loi même est son principe et sa nature." Now those who are aware that Prajñā (most idly translated law, science, and so forth,) is the name of the great material cause, can have no difficulty in reaching the conviction that the Buddhist authority from whence this assertion was borrowed,—of Prajñā being the very essence, nature, and principle of Buddha,—belonged to the Swabhāvika school, and would have laughed at the co-ordinate doctrine of his translator, that Buddha is the sovereign and sole cause, of whom nature (Prajñā) is an effect.

The Swabhāvikas, who derive their capacity of identifying themselves with the first cause from nature, which is that cause, are as all-accomplished as the Buddhās of the Aiswarikas, who derive the same capacity from Adi-Buddha, who is that cause.

In this express character of sovereign cause only, is the Adi-Buddha of the Aiswarikas distinguishable amid the crowd of Buddhās of all sorts; and such are the interminable subtleties of the 'système entier' that he who shall not carefully

---

1 There are in fact five bodies named by me; see page 92.

* Prakritesvari iti Prajñā; and again, Dākrandimāka iti Dharma. Dharma is a synonyme of Prajñā. Prajñā means Supreme Wisdom. Whose is that cause. Nature's and nature's, as the sole, or only as the plastic, cause.

So, again, Dharma means mortality in the abstract, or the moral and religious code of these religionists, or material cause, in either of the two senses hinted at above; or, lastly, material effects, etc., versatile worlds. These are points to be settled by the context and by the known tenets of the writer who uses the one or other word: and when it is known that the very texts of the Swabhāvikas, differently interpreted, have served for the basis of the Aiswarika doctrine, I presume no further caveat can be required.
Buddhist Philosophy.

Mark this cardinal point of primary causation, will find all others unavailing to guide him unconfusedly through the various labyrinths of the several schools.

Did Rémusat never meet with passages like the following?

"And as all other things and beings proceeded from Swabhāva or nature, so did Vajra, Satwa, Buddha, thence called the self-existent." Even the Swābhāvikas have their Dhyāni Buddhas, and their triad, including, of course, an Adi-Buddha. Names, therefore, are of little weight; and unmeasured epithets are so profusely scattered on every hand that the practised alone can avoid their snare. I did not admit a Theistic school, because I found a Buddha designated as Adi, or the first; nor yet because I found him yeled infinite, omniscient, eternal, and so forth; but because I found him explicitly contradistinguished from nature, and systematically expounded as the efficient cause of all. Nor should it be forgotten that when I announced the fact of a Theistic sect of Buddhists, I observed that this sect was, as compared with the Swābhāvika, both recent and confined.†

If, in the course of this, and the three preceding letters, I have spoken harshly of Rémusat's researches, let it be remembered, that I conceive my labours to have been adopted without acknowledgment, as well as my opinions to have been miserably distorted. I have been most courteously told, that the learned of Europe are indebted to me for the name of Adi-Buddha!" The inference is palpable that that is the extent of the obligation. Such insidious injustice compels me to avow in the face of the world my conviction that, whatever the Chinese and Mongolian works on Buddhism possessed by the French Savans may contain, no intelligible views were thence derived of the general subject before my essays appeared, or could have been afterwards, but for the lights those essays afforded.‡ I had access to the original Sanskrit scriptures of the Buddhists, and they were interpreted to me by learned natives, whose hopes hereafter depended upon a just understanding of their contents. No wonder, therefore, and little merit, if I discovered very many things inscrutably hidden from those who were reduced to consult barbarian translations from the most refined and copious of languages upon the most subtle and interminable of topics, and who had no living oracle ever at hand to expound to them the dark signification of the written word—to guide their first steps through the most labyrinthine of human mazes.§

For the rest, and personally, there is biensance for biensance, and a sincere tear dropped over the untimely grave of the learned Rémusat.

† Burnouf seems to hold that the transcendentalists had very early an atheistic and a theistic sect, the theistic being the Yogicaryas, whose founder was Aryan Sangha, and that a sect apart from both held the middle path, and were therefore called Madhyamikas.

‡ The case is altered materially now; because my original authorities, which stand far less in need of living interpreters, are generally accessible.

§ I beg to propose, as an experimentum crucis, the celebrated text—Ye Dharmaññiya of the Sūta Sūhasik. If the several theistic, atheistic, and sceptical meanings wrapped up in these few words, can be reached through Chinese or Mongolian translations uninterpreted by living authorities, I am content to consider my argument worthless.
I have just got the 30th Number of the Journal of the Asiatic Society and hasten to tell you, that your enigma requires no Edipus for its solution at Kathmandu, where almost every man, woman, and child, of the Baudhā faith, can repeat the *confessio fidei* (for such it may be called), inscribed on the Sārnāth stone. Dr. Mill was perfectly right in denying the alleged necessary connexion between the inscription, and the complement to it produced by M. Csoma de Körös. 

No such complement is needed, nor is found in the great doctrinal authorities, wherein the passage occurs in numberless places sometimes containing but half of the complete dogma of the inscription; thus:—"Ye Dharma hetu-prabhāvād hetus teshān Tathāgato." Even thus curtailed, the sense is complete, without the "Teshān cha yo nirodha, evam (vādi) Mahā Śramana," as you may perceive by the following translation:

"Of all things proceeding from cause, the cause is Tathāgata;" or, with the additional word, "Of all things proceeding from cause, the cause (of their procession) hath the Tathāgata explained." To complete the dogma, according to the inscription, we must add, "The great Śramana hath likewise declared the cause of the extinction of all things." With the help of the commentators, I render this passage thus, "The causes of all sentient existence in the versatile world, the Tathāgata hath explained. The Great Śramana hath likewise explained the causes of the cessation of all such existence."

Nothing can be more complete, or more fundamental, than this doctrine. It asserts that Buddha hath revealed the causes of (animate) mundane existence, as well as the causes of its complete cessation, implying, by the latter, translation to the eternal quiescence of Nirvṛtti, which is the grand object of all Baudhā vows. The addition to the inscription supplied by M. Csoma, is the *ritual application* merely of the general doctrine of the inscription. It explains especially the manner in which, according to the scriptures, a devout Buddhist may hope to attain cessation from mundane existence, viz., by the practice of all virtues, avoidance of all vices, and by complete mental abstraction. More precise, and as usually interpreted here, more theistic too, than the first clause of the inscription is the terser sentence already given; which likewise is more familiar to the Nepalees, viz., "Of all things proceeding from cause, the cause is the Tathāgata:"—understanding by Tathāgata, Adi-Buddha. And whenever, in playful mood, I used to reproach my old friend, Amīrta Nanda, (now alas! no more) with the atheistic tendency of his creed, he would always silence me with, "Ye Dharma hetu-prabhāvād hetus teshān Tathāgato;" insisting, that Tathāgata referred to the supreme, self-existent (Śwayambhū) Buddha.†

*This curtailed version is traditional not scriptural.

†The great temple of Swayambhū Nath is dedicated to this Buddha: whence its name. It stands about a mile west from Kathmandu, on a low, richly wooded, and detached hill, and consists of a hemisphere surmounted by a graduated cone. The majestic size, and severe simplicity of outline, of this temple, with its burnished cone, set off by the dark garniture of woods, constitute the Chaitya of Swayambhū Nath, a very beauteous object.
I12 BUDDHIST PHILOSOPHY.

Nor did I often care to rejoin, that he had taught me to interpret that important word (Tathágata) as to strip the dogma of its necessarily theistic spirit! I have already remarked in your Journal,* that the Sválbhávika texts, differently interpreted, form the groundwork of the Aiswarika tenets. It will not, however, therefore, follow, that the theistic school of Buddhism is not entitled to distinct recognition upon the ground of original authorities; for the oldest and highest authority of all—the aphorisms of the founder of the creed—are justly deemed, and proved, by the theistic school, to bear legitimately the construction put upon them by this school—proved in many ancient books, both Pauránika and Tántrika, the scriptural validity of which commands a necessary assent. As it seems to be supposed, that the theistic school has no other than Tántrika authorities for its support, I will just mention the Śrayāmbhá Purána and the Bhadra Kalpondána, as instances of the contrary. In a word, the theistic school of Buddhism, though not so ancient or prevalent as the atheistic and the sceptical schools, is as authentic and legitimate a scion of the original stock of oral dogmata whence this religion sprung, as any of the other schools. Nor is it to be confounded altogether with the vile obscenity and mystic mummary of the Tantras, though acknowledged to have considerable connexion with them. Far less is it to be considered peculiar to Nepal and Tibet, proofs of the contrary being accessible to all; for instance, the Pança Buddha Dhyáni are inshrined in the cave at Bódh, and in the minor temples surrounding the great edifice at Gáh; as to which see my old Baudddha Pandit's report further on. A. Cunningham of Bengal, Wilson of Bombay, and Chapman of Madras, have all recorded opinions substantially the same. And I have myself seen a fine image of Pañä Páñä, the seon of the Dhyáni Buddha Amitábha, at Karnagurh on the Ganges. As I was looking over your Journal, my Newàri painter came into the room. I gave him the catch word, 'Ye Dharmá,' and he immediately filled up the sentence, finishing with Tathágata. I then uttered 'teshán cha,' and he completed the doctrine according to the inscription. But it was to no purpose that I tried to carry him on through Csoma's ritual complement: he knew it not. After I had explained its meaning to him, he said, the substance of the passage was familiar to him, but that he had been taught to utter the sentiments in other words, which he gave, and in which, by the way, the ordinary Buddhist acceptation of Kusal and its opposite, or Akusal, came out. Kusal is good. Akusal is evil, in a moral or religious sense. Quod licitum vel mandatum: quod illicitum vel prohibitum. I will presently send you a correct transcript of the words of the inscription, from some old and authentic copy of the Rakshó Bhágavati, or Prajña Práramitá, as you seem to prefer calling it. So will I of Csoma's supplement so soon as I can lay my hands on the Shrånagámá Samádti, which I do not think I have by me. At all events, I do not at once recognise the name as that of a distinct Buddhist work. Meanwhile, you will notice, that as my draftsman, above spoken of, is no pandit, but a perfectly illiterate craftsman merely, his familiar acquaintance

* t. e., J. A. S. B.
with your inscription may serve to show how perfectly familiar it is to all Buddhists. And here I would observe, by the way, that I have no doubt the inscription on the Dehli, Allahabad, and Behar pillars is some such cardinal dogma of this faith.

I am no competent critic of Sanskrit, but I have competent authority for the assertion, that Dharma, as used in the inscription, means not human actions merely, but all sentient existences in the three versatile worlds (celestial, terrestrial, and infernal). Such is its meaning in the famous Ye Dharma-nitya of the Sata Sahasrika, where the sense is even larger, embracing the substance of all inanimate as well as animate entity, thus: "All things are imperishable," or, "The universe is eternal," (without maker or destroyer.) The passage just quoted from the Sata Sahasrika serves likewise (I am assured) to prove that the signification of ye is not always strictly relative, but often expletive merely: but let that pass.

The points in question undoubtedly are,—existence in the Prakritika or versatile world, and cessation of such existence, by translation to the world of Nirvritti; and of such translation, animals generally, and not human beings solely, are capable. Witness the dear and the chakwa, which figure so much in Baudhika sculptures! The tales of their advancement to Nirvritti are popularly familiar. The word nirodha signifies, almost universally and exclusively, extinction, or total cessation of versatile existence; a meaning, by the way, which confirms and answers to the interpretation of dharma, by general existences, entities, and not by merely human actions. The causes of versatile existence and of its extinction are given at pp. 70-80.

It is scarcely worth while to cumber the present question with the further remark that there is a sect of Baudhika philosophers holding opinions which confound onacious actions with universal entities throughout the versatile world, making the latter originate absolutely and physically from the former, (see my remarks on Refusat in the Journal, No. 33, p. 431.)

It is not, however, admissible to render generally received texts, as to make them correspondent to very peculiar dogmata. "Dhārāntamaka iti dharma," the holding, containing, or sustaining, essence (ensa) is dharma. The substratum of all form and quality in the versatile universe, the sustainer (in space) of versatile entity, mundane substances and existences, physical and moral, in a word, all things. Such is the general meaning of dharma. How many other meanings it has, may be seen by reference to a note at the foot of p. 502, No. 34, of your Journal. The root of the word is dhri, 'to hold.' Wilson's dictionary gives Nature as Amara Sinha's explanation of dharma. This is essentially correct, as might be expected from a Baudhika lexicographer. The English word "substance" is the precise equivalent of dharma, which means that which supports qualities in space, and of the Brahmanic mātrā, meaning that which measures space or limits space, because space is only measurable by the substances it holds. I speak here merely of etymologies.

*See p. 109, in notes.
I

BUDDHIST PHILOSOPHY.

Note. If Mr. Hodgson's general interpretation of dharma is the true one, (which seems most probable, though its specification in the sense of moral duties is more agreeable to M. Csoma's supplement)—its implication, in the present reading, at least, appears manifestly atheistic. For that it cannot mean "Tathágata or the Adi-Buddha is the cause," is evident from the accusative héṭú (which is also plural, causas.) Even if we were to strike out the word avadat or dhā—the former of which is on the inscriptions, and the latter repeated in Ceylon—still some word of that meaning is plainly understood: and this may help to shew that the explication given by the Aśvarika Buddhists (as though the words were héṭus téshám Tathágatas) is a more recent invention—and that the Buddhist system properly recognizes no being superior to the sage expounder of physical and moral causes,—whose own exertions alone have raised him to the highest rank of existences,—the Epicurus of this great Oriental system,

qui potuit rerum cognoscere causas,

Atque metús omnes et inexorabile fatum

Subjecit pedibus.

What is mere figure of speech in the Roman poet, to express the calm dignity of wisdom, becomes religious faith in the east; viz., the elevation of a philosophical opponent of popular superstition and Brahmanical caste, to the character of a being supreme over all visible and invisible things, and the object of universal worship.

—W. H. M.

Note on the Note of W. H. M.—My friendly and learned annotator is right as to the comparative recency of the Aśvarika school and may find that opinion long since expressed by myself. But he is wrong in supposing that that school has no old or unquestionable basis; for both Mr. Csoma and myself have produced genuine and ancient authorities in its support. So that it is hardly fair to revert to the fancies of Sir W. Jones' day, under cover of a Latin quotation! As to verbal criticism, it is surely scarce necessary to observe that the governing verb being removed, the noun will take the nominative case. I quoted popular words popularly and omitted the nice inflexions of case and number. That my terser text is familiar to the mouth of Buddhists, is an unquestionable fact; and I never said, either that this terser form was that of the inscription, or that I had seen scriptural authority for it, ipsissimis verbis.

The express causes of versatile existence, alluded to by Sákya, in the text graved at Sarnath, are Avidyá, Sanskára, etc., as enumerated in my "Quotations in Proof" under the head of the Kármika doctrine; and there, too, may be found the causes of the extinction of such existence. See pp. 79-80 of this vol. This passage is the true complement or exponent of the ye dharmás, and leaves no possible doubt as to its meaning.
NOTICE OF ADI-BUDDHA AND OF THE SEVEN MORTAL BUDDHAS,*

(With reference to Nepal chiefly)

FROM THE SWAYAMBHU PURANA.

The Swayambhū Purāṇa relates in substance as follows: That formerly the valley of Nepal was of circular form, and full of very deep water, and that the mountains confining it were clothed with the densest forests, giving shelter to numberless birds and beasts. Countless waterfowl rejoiced in the waters. The name of the lake was Nāga Vāsa; it was beautiful as the lake of Indra; south of the Hemāchal, the residence of Karkotaka, prince of the Nāgas; seven cos long, and as many broad. In the lake were many sorts of water-plants; but not the lotos. After a time, Vipasyi Buddha arrived, with very many disciples and Bhikshus, from Vindumati Nagar, in Madhya Desa, at the Lake of Nāga Vāsa, in the course of his customary religious peregrinations. Vipasyi, having thrice circumambulated the lake, seated himself in the N. W. (Vāyukona) side of it, and, having repeated several mantras over the root of a lotos, he threw it into the water, exclaiming, "What time this root shall produce a flower, then, from out of the flower, Swayambhū, the Lord of Agnishtha Bhuvana, shall be revealed in the form of flame; and then shall the lake become a cultivated and populous country." Having repeated these words, Vipasyi departed. Long after the date of this prophecy, it was fulfilled according to the letter.

After Vipasyi Buddha, came Sikhi Buddha to Nāga Vāsa with a great company of respectful followers, composed of rajas and persons of the four castes (chatur varna). Sikhi, so soon as he beheld Jyoti-rūpa-Swayambhū, offered to him many laudatory forms of prayer: then rising, he thrice walked round Nāga Vāsa, and, having done so, thus addressed his disciples. "This place shall hereafter, by the blessing of Swayambhū, become a delightful abode to those who shall resort to it from all quarters to dwell in it, and a sweet place of sojourn for the pilgrim and passenger: my apotheosis is now near at hand, do you all take your leave of me and depart to your own country." So saying Sikhi threw himself into the waters of Nāga Vāsa, grasping in his hands the stalk of the lotos, and his soul was absorbed into the essence of Swayambhū. Many of his disciples, following their master, threw themselves into the lake, and were absorbed into Swayambhū, i.e., the self-existent; the rest returned home. Viswabhū was the third Buddha who visited Nāga Vāsa. Viswabhū was born in Anupama-puri-nagar, of Madhya Desa; his life was devoted to benefitting his fellow-creatures. His visit to Nepal was long after that of Sikhi, and, like Sikhi, he brought with him a great many disciples and Bhikshus, Rajas and cultivators, natives of his own land. Having repeated the praises of Swayambhū-jyoti-rūpa, he observed; "In this lake

*Printed from the Bengal Asiatic Journal, No. 29, A. D. 1834.
Prajñā-sūrūpa-Guhyeswari* will be produced. A Bodhisatwa will, in time, make her manifest out of the waters: and this place, through the blessing of Swayambhū, will become replete with villages, towns, and tirthas, and inhabitants of various and diverse tribes." Having thus prophesied he thrice circumambulated the lake, and returned to his native country. The Bodhisatwa above alluded to is Manju Śrī, whose native place is very far off, towards the north, and is called Pancha Śrīsha Parvata, [which is situated in Mahā China Des.] After the coming of Viswabhū Buddha to Nāga Vāsā, Manju Śrī, meditating upon what was passing in the world, discovered by means of his divine science that Swayambhū-jyotí-rūpa, that is, the self-existent, in the form of flame, was revealed out of a lotus in the lake of Nāga Vāsā. Again, he reflected within himself: "Let me behold that sacred spot, and my name will long be celebrated in the world;" and on the instant, collecting together his disciples, comprising a multitude of the peasantry of the land, and a Rāja named Dharmákar, he assumed the form of Visvakarma, and with his two Devīs (wives,) and the persons above-mentioned, set out upon the long journey from Śrīsha Parvata to Nāga Vāsā. There having arrived, and having made pujā to the self-existent, he began to circumambulate the lake, beseeching all the while the aid of Swayambhū in prayer. In the second circuit, when he had reached the central barrier mountain to the south, he became satisfied that that was the best place whereat to draw off the waters of the lake. Immediately he struck the mountain with his scimitar, when the sundered rock gave passage to the waters, and the bottom of the lake became dry. He then descended from the mountain, and began to walk about the valley in all directions. As he approached Guhyeswari,‖ he beheld the water bubbling up violently from the spot, and betook himself with pious zeal to the task of stopping it. No sooner had he commenced than the ebullition of the water became less violent, when, leaving bare only the flower of the lotos, the root of which is the abode of Guhyeswari, he erected a protecting structure of stone and brick over the recumb-

*That is the mystic form of Prajñā, who is the same with Dharmā and the Sakti of Swayambhū or Adi-Buddha, according to the Triadists. The type of Adi-Buddha in Nepal is fire—that of Adi-Dharmā or Prajñā or Guhyeswari is water—or she has no type, is of a secret form, i.e., Guhyeswari, or lastly, according to the Tantras, her type is the Yoni, which, as well as the whole ritual belonging to it, is Guhya or esoteric and concealed.

‡ The Tibetans identify Manjusri with Thu mi Sam bhotā, minister of King Srongtsan, who lived in the seventh century, and was the great introducer of Buddhism into Tibet. Manjusri's Tibetan name is Jam yang; Thumi is an incarnation of him.

§ The bracketed portions are from the commentators.

‖ The site of the temple is near the centre of the valley, on the skirts of the lovely grove of Purnā; and above 24 or 3 miles east from Mount Sambhū. The fable says, that the root of the lotos of Guhyeswari is at the former place, and the flower at the latter; the recumbent stalk being extended throughout the interval between them. Swayambhū or Adi-Buddha is supposed to reside in the flower, in the form of flame; Prajñā Paramitā or Guhyeswari, in or at the root, in the form of water. The temple of Guhyeswari has been appropriated by the Brahmans, who worship this goddess as the Sakti of Pa-upati Nāth, whose symbol is the four-faced Lingam. But it may be that the Buddhists are wrong in identifying Guhyeswari with Prajñā, and that Guhyeswari, the Sakti of Pa-upati Nāth, is really one of the deities of Nāthism—a half orthodox (Goraksha nāth) and half heterodox (Matsyendra nāth) divinity.
bent stalk, and called the structure, which rose into a considerable elevation as it
neared the flower of the lotus, *Satya Giri*. This work completed, Manju Sri
began to look about him in search of a fit place of residence, and at length
constructed for that purpose a small hill, to which he gave the name of Manju Sri
Parvata, (the western half of the little hill of Sambhū Nāth,) and called the
desiccated valley, *Nēpālā—Nē* signifying 'the sender' (to paradise,) who is Sway-
ambhū, and *pāthā* 'cherished'; implying that the protecting genius of the valley
was Swayambhū or Adi-Buddha. Thus the valley got the name of Nēpālā: and,
since very many persons had come from Mount Sirsha (or China) with Manju
Sri, for the residence of Dharmākār Raja and his suite, Manju constructed a
large place of abode [half way between Mount Swayambhū and Guhyeswari,]
and named it after himself, *Manju Pattana*, and established therein Dharmākār
[of Mahā China] as Raja, subjecting to the inferior sort of people who
came from Sirsha Parvata to Dharmākār's rule, and providing abodes for them in
the city of Manju Pattana.

Thus was Nepaul peopled, the first inhabitants of which came all from Mount
Sirsha, which is in Mahā China, and thus the valley got the name of Nēpālā,
and its inhabitants, that of Nēpālī, whose primitive language was Chinese.*
This language in course of time came to be much altered by the immigration of
people from Madhya Desa, and by the necessary progress of corruption and
change in a new country, till a new language arose in Nepaul by the natural
course of things. The primitive inhabitants of Nepaul were all of one caste, or
had no caste. But their descendants, in the course of time became divided into
many castes, according to the trades and professions which they followed; and of
these, such as abandoned the world and shaved their heads became Bhikshu,
Sramana, Chailaka, and Arhana, and took up their abode in forests or in monas-
teries. These four orders all monastic; and in strictness absolutely excluded from
all worldly commerce. But should any of them, still retaining the custom of tonsure,
become worldly men, such are called Sravaka, etc. to a great extent of diverse
names.] Manju Sri, having by such deeds as these acquired the highest celebrity
in Nepaul, [ostensibly, and for the instruction of the people] relinquished his
mortal form and became nirvāna; [but in truth departed for Mount Sirsha with
his two Devis, and in due course arrived at Pancha Sirsha Parvata.] Some time
after the disappearance of Manju Sri, Karkut Sand Buddha came to Nepaul, with
some Bhikshukas, Dharmapāla Raja, and a multitude of the common people,
from Kahēmāvatinagar, of Madhya Desa. The beauty of the country delighted

*Manju Sri or Manju Ghosha (sweet voice) and Dharmākār are pure Sanskrit
words, which fact makes against the alleged location of Mount Sirsha (also Sans-
krit) in China, and there are grounds for supposing that mount Sirsha was in Assam.
In the Nepalese Vansa Vallas the first race of kings are apparently Gwallas and Saivas,
or rather Paraspatas, who worshipped Pampa and received the throne from a Rāhul called
Neyam. But this dynasty is open to doubt in all ways. The next dynasty is clearly
barbarian and utterly alien to Sanskrit and India. It is of the Kiranti tribe now loca-
ted in all the eastern part of Nepaul. This evidence is in conclusive. What says the
Skand Purana, and what is its age compared with that of the Sambhu Purana? Physi-
ognomy and speech decisively refer the Newars to the Tibetan stock.
BUDDHIST PHILOSOPHY.

him, and he remarked that in such a land the cultivator must be sure to reap as he sowed. He paid his devotions to Swayambhū, and then launched out in praise of the merits of Manju Śri, the Nepalese patriarch. Afterwards he performed pūjā to Guhyeswara, and then ascended Sankhočha mountain (Śiva Pūra) the prospect of that valley from that mount filled him with fresh delight, and he again celebrated the excellence of the country. Gunadhvaja, a brahman, and Abhaya-yandada, a kshetriya, and others of the four castes (chatúr varna,) respectful followers of Kurkut Sand, here solicited at his hands the favour of being made Bhikshukas, in order that they might remain in this happy land, and by the worship of Swayambhū attain to high merit and honour. Kurkut cheerfully complied, and agreed to make a great many of the company Bhikshukas; and since the mountain top afforded no water for that ceremony, he by his divine power caused a spring to issue from the rock, and with its waters gave to his followers the requisite Abhishēka or baptism. He called the river that originated with this spring Vāngmati;* and then related to his followers both the past and future history of the valley watered by the Vāngmati. Then, having left behind him in Nepaul, Raja Dharmapāl and some Bhikshus and common folks, who had come with him, and desired to stay, Kurkut Sand departed with the rest of them to his native city of Kāshmāvatī. [These companions of Kurkut Sand, or Krakucchand, were the first natives of the plains of India (Madhyā Desa) who remained in Nepaul. Many of them, addicting themselves to the business of the world, became householders, and the founders of several towns and villages in Nepaul; whilst others, who adopted the ascetical profession, dwelt in the forests and Vihāras. When these Madhyādēiyas had become numerous in Nepaul, they and their descendants were confounded with the former or northern colonists under the common appellation of Nēpāli and Nēwāri; being only separated and contradistinguished by the several trades and professions which they hereditarily practised. Thus, in the early ages, Nepaul had four classes of secular people, as Brahman, Kshetriya, Vaisya, and Sudra, and four ascetical classes, namely, Bhikshu, Sramanā, Chalīka, and Arhanta, dwelling in forests and monasteries, and all were Buddha-mārgī.]

ACCOUNT OF DHARMAKAR RAJA AND DHARMAPAL RAJA.

Dharmakar, the before noted [Chinese] prince of Nepaul, being disgusted with the world, abandoned his sovereign power, and placed Dharmapāl, the Raja of Gaur-des, already mentioned, upon his throne. Dharmapāl governed his subjects with perfect justice and clemency, and made pūjā at the Chaitya erected by Dharmakar, and regarded with equal favour his subjects that came from Mount Sirsha [or Mahā China,] and those who immigrated from Madhya-desa.

ACCOUNT OF PRACHANDA DEVA.—Prachanda Deva, a Raja of Gaur-des, which is adjacent to Madhya-des, and of the Kshatriya tribe, was the wise man of his age and country. At length, being inspired with the ambition of becoming

* From Vāch, ‘speech.’
† Srdraka and Sramana are equivalent.
BUDDHIST PHILOSOPHY.

Buddha, abandoning his princely sway, and taking with him a few sages, began to wander over various countries, visiting all the shrines and pilgrimages, and in the course of his peregrinations arrived at Nepal. He was delighted with the beauty of the country, and visiting every *tirtha* and *path*, and *devatā*, and making *pujā* to the *Tri Ratna*, or triad, he went to the temple of Swayambhū, and there performed his devotions. He then ascended Manju Sūrya Parbat, and offered his prayers to Manju Sūrya, and finished by becoming a disciple of Gunākāra Bhikshu, a follower of Manju Sūrya. One day Prachanda Deva so delighted Gunākāra with the display of his excellent qualities, that Gunākāra made him a Bhikshu, and the said Raja Prachanda after becoming a Bhikshu, obtained the titular appellation of Sānta Sūrya. [A great many Brahmans and others who accompanied Prachanda to Nepal received the tonsure, and became Bhikshus at the same time with Prachanda, and took up their abode in the monasteries of Nepal. Some others of those that came with Prachanda to Nepal preferring the pursuits of the world, continued to exercise them in Nepal, where they also remained and became Buddhists. A third portion of Prachanda's companions returned to Gaur-des.] After a time, Sānta Sūrya represented to his Guru Gunākāra his desire to protect the sacred flame of Swayambhū with a covering structure. Gunākāra was charmed with the proposition and proposer, and having purified him with thirteen sprinklings of sacred water (*trayodasābhisekā*), gave him the title of Dīkṣita Sāntikāra Vajra Achārya. [From these transactions is dated the arrival of the people of Gaur-des in Nepal, and their becoming Buddhists.]

ACCOUNT OF KANAKA MUNI.—Once on a time, from Subhavatinsagār of Madhyades, Kanaka Muni Buddha, with many disciples, some illustrious persons, and a countless multitude of common people, arrived at Nepal, in the course of his religious peregrinations, and spent some months in the worship of Swayambhū, and the Tri Ratna, and then departed with most of his attendants. A few remained in Nepal, who became Buddha-mārgā and worshippers of Swayambhū; [and these too, like all the preceding, soon lost their name and character as Madhyadesyas, and were blended with the Népālī or Néwār race.]

ACCOUNT OF KĀSYAPA BUDDHA.—Once on a time in Mrigadāva-van, near Benaraes, Kāsyapa Buddha was born. He visited Nepal in pilgrimage, and made his devotions to Sambhunāth. [Most of the people who came with him staid in Nepal, and soon became confounded with the aborigines.]

ACCOUNT OF SAKYA SINHA BUDDHA.—Some time after Kāsyapa's visit at Gāngā Sāgara,* in the sthan of Kapila Muni, and city of Kapila-vastu, and reign of Buddhodana Raja, of the Sāka-van, was born (as the son of that Raja) Sarvartha Siddha, who afterwards became a Buddha with the name of Sākya Sinha. Sākya, with 1,350 Bhikshukas, and the Raja of Benares, several counsellors of state,

*Gangā Sāgara, says Wilson, has no necessary connection with the ocean. For the site of Kapila-pur see Laidlay's *Physic*. But I doubt if the site were so far from the hills. Timur, in his annals, says that he took it and speaks of it as though it were actually in the hills, a mountain fastness in fact.
BUDDHIST PHILOSOPHY.

and a crowd of peasantry of that kingdom, set out on the pilgrimage to Nepal. Having paid his devotions to the self-existent, in the form of flame, he went to the Chaitya or Puchhâgra Hill,† and repeated to his disciples the past history of Nepal, as well as its whole future history, with many praises of Manju Srî Bodhisatwa: he then observed, "In all the world are twenty-four Piths, and of all these that of Nepal is the best." Having so said, he departed. His companions, who were of the Chatur varna, or four castes, [Brâhman, Kshtriya, Vâisyâ, and Sûdra,) and belonged to the four orders, [Bhikshu, and Sramana, and Chailaka, and Arhant,) being much pleased with Nêpâl-des continued to dwell in it; [and in course of time were blended with the aboriginal Nêpâlis, and became divided into several castes, according to the avocations which they hereditarily pursued.] Some time after the date of the above transaction, Raja Gunakâma Deva, prince of Kâthmûndû, [a principal city of Nepal,) became the disciple of the above-mentioned Sântikar Vajra Achârya. Guna Kâma Deva, with the aid derived from the divine merits of Sântikar, brought the Nâg Raja Karkotakâ out of the lake or tank of Adhâr, and conveyed him to Sântipûr with much ceremony and many religious rites. The cause of this act was that for many previous years there had been a deficiency of rain, whereby the people had been grievously distressed with famine; and its consequence was an ample supply of rain, and the return of the usual fertility of the earth and plenty of food.§

Subsequently, Srî Narendra Deva became Raja of Bhagatpattan, (or Bhatgaon; he was the disciple of Bandudatta Achârya, and brought Aryâvalokiteswara* (Padma Pâni) from Pûtalakâparvat (in Assam) to the city of Lalita pattan in Nepal. The reason of inviting this divinity to Nepal was a drought of twelve years duration, and of the greatest severity. The measure was attended with like happy results, as in the case of conveying the Nâg Raja with so much honour to Sântipûr.

NOTE ON THE PRIMARY LANGUAGE OF THE BUDDHIST WRITINGS.||

I have read article II. of the 60th No. of your Journal with great interest. With regard to the language in which the religion of Sâkyas, 'was preached and spread among the people,' I perceive nothing opposed to my own opinions in the fact that that language was the vernacular.

There is merely in your case, as priorly in that of Mr. Turnour, some misapprehension of the sense in which I spoke to that point.

† Part of Mount Sambhu, west of the great Chaitya; also called Go-pucch.
‡ Karkotaka is named in the Sanskrit, And in the annals of Cashmir he figures as conspicuously as in Nepal. The Nâgas and Indra maintain still in Nepal a deal of their pristine authority, and in connection one with the other: for the Nâgas are invoked for rain.
§ The Nâgas are still worshipped in Sântipûr whenever the rains are deficient, in conformity with this legend and with the original one of the lake as being the Nâgâsa. *Is Avalokeswara the same as Matayendra Nâth, whose arrival in Nepal is referred to the fifth century of Christ by well known memorial verses! The identification with Padma Pâni rests on Śastras of Nepal and of China. See J.R.A.S., new series, vol. ii., part i., p. 137. || Printed from the Bengal Asiatic Journal, No. 68, A. D. 1837.
The preaching and spreading of the religion is a very different thing from the elaboration of those speculative principles from which the religion was deduced. In the one case, the appeal would be to the many; in the other, to the few. And whilst I am satisfied that the Buddhists as practical reformers addressed themselves to the people, and as propagandists used the vulgar tongue, I think that those philosophical dogmata which formed the basis of the popular creed, were enounced, defended and systematised in Sanskrit. I never alleged that the Buddhists had eschewed the Pārākṣā: I only denied the allegation that they had eschewed the Sanskrit; and I endeavoured, at the same time, to reconcile their use of both, by drawing a distinction between the means employed by their philosophers to establish the principles of this religion, and the means employed by their missionaries to propagate the religion itself.

Joinville had argued that Buddhism was an original creed, older than Brahmanism, because of the grossness of its leading tenets which savour so much of 'flat atheism.'

I answered that Buddhism was an innovation on the existing creed, and that all the peculiarities of the religion of Śākyamuni could be best and only explained by advergence to shameful prior abuse of the religious sanction, whence arose the characteristic Boddha aversion to gods and priests, and that enthusiastic self-reliance taught by Buddhism in express opposition to the servile extant reference of all things to heavenly and earthly mediation. Jones, again, had argued that the Buddhists used only the Pārākrit, i.e., Pālī, because the books of Ceylon and Asa, (the only ones then forthcoming,*) were solely in that language or dialect. I answered by producing a whole library of Sanskrit works in which the principles of Buddhism are more fully expounded than in all the legendary tomes of Ceylon and Asa; I answered, further, by pointing to the abstruse philosophy of Buddhism, to the admitted preeminence, as scholars, of its expounders; and to their location in the most central and literary part of India (Behar and Audh). With the Sanskrit at command, I asked and ask again, why men so placed and gifted, and having to defend their principles in the schools against ripe scholars from all parts of India (for those were days of high debate and of perpetual formal disputations in palaces and in cloisters) should be supposed to have resorted to a limited and feebler organ when they had the universal and more powerful one equally available? The presumption that they did not thus postpone Sanskrit to Pārākrit is, in my judgment, worth a score of any inferences deducable from monumental slabs, backed as this presumption is by the Sanskrit records of Buddhism discovered here. Those records came direct from the proximate head quarters of Buddhism. And, if the principles of this creed were not expounded and systematised in the schools of India in Sanskrit, what are we to make of the Nepalese Sanskrit originals and of the avowed Tibetan translations? In my judgment the extent and character of these works settle the question that the philosophic founders of Buddhism used Sanskrit and Sanskrit only, to expound, defend

* Sir W. Jones had, however, in his possession a Sanskrit copy of the Lalita Vistara, and had noticed the personification of Dīva Natura under the style of Arya Tārā.
and record the speculative principles of their system, principles without which the vulgar creed would be (for us,) mere leather and prunella! Nor is this opinion in the least opposed to your notion (mine too) that the practical system of belief, deduced from those principles, was spread among the people of the spot, as well as propagated to remoter spots, by means of the vernacular.

It is admitted that Buddhism was long taught in Ceylon without the aid of Books: and that the first book reached that island nearly 300 years after the introduction of the creed.

Here is a distinct admission of what I long since inferred from the general character of the religion of Sākya in that island, viz., the protracted total want, and ultimate imperfect supply, of those standard written authorities of the sect which regulated belief and practice in Magadha, in Kosala and Rājagriha,—in a word, in the Metropolis of Buddhism. From this metropolis the authorities in question were transferred directly and immediately to the proximate hills of Nepaul, where and where only, I believe, they are now to be found. If not translations, the books of Ceylon have all the appearance of being ritual collectanea, legendary hearsays, and loose comments on received texts—all which would naturally be written in the vulgar tongue.* To these, however, we must add some very important historical annals, detailing the spread and diffusion of Buddhism. Similar annals are yet found in Tibet, but, as far as I know, not in Nepaul, for what reason it is difficult to divine.

But these annals, however valuable to us, for historical uses, are not the original written standard of faith; and until I see the Prajñā Paramitā and the nine Dharmasthūlas produced from Ceylon, I must continue of the opinion that the Buddhists of that island drew their faith from secondary, not primary sources; and that whilst the former were in Ceylon as elsewhere, vernacular; the latter were in Magadha and Kosala, as they are still in Nepaul, classical or Sanskrit!

Certainly Buddhism, considered in the practical view of a religious system, always appealed to the common sense and interest of the many, inscribing its most sacred texts (Sanskrit and Prākrit) on temple walls and on pillars, placed in market, highroad and cross-road.

This material fact (so opposite to the genius of Brahmansm,) I long since called attention to; and thence argued that the inscriptions on the lāta would be probably found to be of scriptural character.

The tendency of your researches to prove that the elaborate forms of the Devanāgarī were constructed from simpler elements, more or less appropriated to the popular Bhāshās, is very curious; and seems to strengthen the opinion of those who hold Hindī to be indigenous, older than Sanskrit in India, and not (as Colebrooke supposed) deduced from Sanskrit. If Buddhism used these primitive letters before the Devanāgarī existed, the date of this creed would seem to be

* Such works written in the vulgar tongue are common in Nepaul and frequently we have a Sanskrit text with a vernacular running commentary.

†They have one of the nine, viz., the Lalita Vistara: but M. Burnouf assures me, in a miserably corrupted state. Now, as this work is forthcoming in a faultless state in Sanskrit, I say the Pali version must be a translation.
BUDDHIST PHILOSOPHY.

thrown back to a remote era, or, the Sanskrit letters and language must be comparatively recent.

I can trace something very like Buddhism into far ages and realms: but I am sure that that Buddhism which has come down to us in the Sanskrit, Pāli and Tibetan books of the sect, and which alone therefore we do or can know, is neither old nor exotic. That Buddhism (the doctrines of the so called seventh Buddha) arose in the middle of India, in comparatively recent times, and expressly out of those prior abominations which had long held the people of India in cruel vassalage to a bloated priesthood.

The race of Sākā, or progenitors of Śākya Sinha (by the way, the Sinha proves that the princely style was given to him until he assumed the ascetic habit) may have been Scythians or Northmen, in one sense; and so probably were the Brahmons in that same sense, viz., with reference to their original seat. (Brachmanes nomen gentis diffusissime, cujus maxima pars in montibus degit: reliqui circa Gan-gem.)

If one’s purpose and object were to search backwards to the original hive of nations, one might, as in consistency one should, draw Brahmanism and Buddhism, Vyāsa and Śākya, from Tartary.* All I say is, that quanto the known and recorded man and thing—Śākyas Sinha and his tenets—they are indisputably Indian and recent.†

I incline to the opinion that Hindi may be older in India than Sanskrit, and independent, originally, of Sanskrit. But were this so, and were it also true that the Buddhists used the best dialect of Hindi (that however is saturated with Sanskrit, whatever its primal independence), such admissions would rather strengthen than weaken the argument from language against the exotic origin of Buddhism.$

According to this hypothesis, Hindi is not less, but more, Indian than Sanskrit: and, d fortiori, so is the religion assumed to have committed its records to Hindi.

But, in very truth, the extant records of Buddhism, whether Sanskrit or Pākṛt, exhibit both languages in a high state of refinement; and though one or both tongues came originally from Tartary, they received that refinement in India, where, certainly, what we know as Buddhism, (by means of these records) had its origin, long after Brahmanism had flourished there in all its mischievous might.

P. S. You will, I hope, excuse my having adverted to some other controverted topics besides that which your paper immediately suggested. These questions are a good deal linked together: for instance, if Buddhism furnishes internal evidence throughout its most authentic records that it is the express antithesis of

* That is from a country to the north-west of Hindostan—a country beyond the Indus—and no doubt the country called Ariana or Irân, in the widest sense, but not Türk or Tartary as we call it, for none of the Tartar races were literary, and even to this hour the Turks only have some poor and borrowed pretensions to literature. The Uighours got their alphabet from the Nestorians, and the Mongols theirs from the Uighours.

† According to all Bandīdhā authorities the lineage of the whole seven mortal Buddhās is expressly stated to be Brahmanical or Kāhātrya! What is the answer to this?

‡ Our own distinguished Wilson has too easily followed the continental European writers in identifying the Sāka or Śāka with the classical Sācē or Scythians, and Buddhism with Samanism. The Tartars of our day avow that they got all their knowledge from India; taste Kāhāgyur et Stangyur.
Buddhism, its posteriority of date to the latter is decided, as well as its jealousy of priestly pretensions. *Neoclerices infinita aut liberalaes potestas,* is a deduction which only very precise and weighty evidence will suffice to set aside: I have seen none such yet from Ceylon or from Asia. And be it observed, I here advert to authentic scriptural tenets, and not to popular corruptions resulting from the facile confusion of the monastic with the clerical character.

Note. We are by no means prepared to enter into a controversy on a subject on which we profess but a slight and accidental acquaintance: nor will we arrogate to ourselves the distinction of having entered the lists already occupied by such champions as Mr. Hodgson and Mr. Tourneur, who have both very strong arguments to bring forward, in support of their opposite views. As far as the *Dharmalipī* could be taken as evidence the vernacularists had the right to it; but on the other hand there can be no doubt, as Mr. Hodgson says, that all scholastic disputation with the existing Brahmanical schools which Sākya personally visited and overcame, must have been conducted in the classical language. The only question is, whether any of these early disquisitions have been preserved, and whether, for example, the Life of Sākya, called the *Lalita Vistara,* found by Professor Wilson to agree verbatim with the Tibetan translation examined simultaneously by Mr. Csomá, has a greater antiquity than the *Pitakatayon of Ceylon.* We happen fortuitously to have received at this moment two letters bearing upon the point in dispute from which we gladly avail ourselves of an extract or two:—Mr. Tourneur, alluding to the notice of the life of Sākya from the Tibetan authorities by Mr. Csomá in the As. Res. vol. xx. writes—"The Tibetan life is apparently a very meagre performance, containing scarcely anything valuable in the department of history; whereas had the materials whence it was taken been genuine, the translator would have been able to bring forward and illustrate much valuable information on the pilgrimages and the acts of Sākya in various parts of India during the forty-five years he was Buddha. Even the superstitious facts recorded are much more absurd than they are represented in the *Pitakatayon.* Thus the dream of Māyā Devī of having been rubbed by a *Chhadanta* elephant, during her pregnancy,—is converted into a matter of fact, of Sākya, 'in the form of an elephant having entered by the right side into the womb or cavity of the body of Māyā Devī!' *Chhadanta* is taken literally as a *six-tusked* elephant, whereas by our books *Chhadanta* is the name of a lake beyond the Himalaya mountains where the elephants are of a superior breed.* It is mentioned twice in the *Mahāvamsa:* chaps. v. and xxii."

If the rationality of a story be a fair test of its genuineness, which few will deny, the Pāli record will here bear away the palm:—but it is much to be regretted that we have not a complete translation of the Sanskrit and of the Ceylonese "life" to place side by side. It is impossible that instruction should not be gained

*Let zoologists say what they think of the rationality of this story. I would add that refining of the sense of old legends is a common practise of later times.*
BUDDHIST PHILOSOPHY.

125

by such an impartial examination.|| But to return to the subject under discussion; my friend Mr. Cemma writes from Tisalga in the Parwanig district:—

"In reference to your and Mr. Turnour's opinion that the original records of the Buddhists in ancient India, were written in the Magadhi dialect, I beg leave to add in support of it, that in the index or register, (dhar-chohay) of the Kahgyur, it is stated that the Sutras in general—i.e., all the works in the Kahgyur, except the twenty-one volumes of the Sher-chhin* and the twenty-two volumes of the rGyud class, after the death of Sekya, were first written in the Sindhi language, and the Sher-chhin and rGyud in the Sanskrit: but part of the rGyud also in several other corrupt dialects. It is probable that in the seventh century and afterwards, the ancient Buddhistic religion was remodelled and generally written in Sanskrit.§ before the Tibetans commenced its introduction by translation into their own country."

This explanation, so simple and so authentic, ought to set the matter at rest, and that in the manner that the advocates of either view should most desire, for it shows that both are right!—It is generally allowed that the Pali and the Zend are derivatives of nearly the same grade from the Sanskrit stock; and the modern dialect of Sindh as well as the Bhakhd of upper and western India present more striking analogies to the Pali, in the removal particularly of the r, and the modification of the auxiliary verbs, than any of the dialects of Bengal, Behar, or Ceylon.|| Plausible grounds for the existence of this western dialect in the heart of Magadha, and the preference given it in writings of the period, may be found in the origin of the ruling dynasty of that province, which had confessedly proceeded from the north-west. At any rate those of the Sekya race, which had emigrated from Sind to Kapilavastu (somewhere in the Gangetic valley) may

|| As an example of the information already obtained from Mr. Cemma's translated sketch, we may adduce the origin of the custom seemingly so universal among the Buddhists of preserving pictorial or sculptured representations of the facts of his life.—After his death the priests and minister at Bhyagirtha are afraid of telling the king Ajata Satru thereof lest he should faint from the shock, and it is suggested by Mahakkayapa by way of breaking the intelligence to him, that the Mahamantra or chief priest should "go speedily into the king's garden, and cause to be represented in painting, how Chomdoga (BKhaqas) was in Tsholhita: how in the shape of an elephant he entered his mother's womb: how at the foot of the holy fig-tree he attained supreme perfection: how at Vardnarti he turned the wheel of the law of twelve kinds, (taught his doctrines:)—how he at Srdvasti displayed great miracles:—how at the city of Ghanchen he descended from the Trangmatras heaven, whither he had gone to instruct his mother:—and lastly, how having accomplished his acts in civilizing and instructing men in his doctrine at several places, he went to his last reposo in the city of Kusha in As-sam." Now whether the book in question was written sooner or later, it explains the practice equally and teaches us how we may successfully analyze the events depicted in the drawings of Ajanta, perchance, or the sculptures of Bhilas, with a full volume of the life of Sekya in our hand. Similar paintings are common in Arac, and an amusing, but rather apocryphal, series may be seen in Upham's folio history of Buddhism.

* This exception embraces the whole speculative tenets or philosophy of Buddhism.

§ This is a daring hypothesis, contrary, I think, to all legitimate presumptions. Were the books remodelled, and why in Sanskrit if their prototypes were Sanskrit.

|| See the Rev. Dr. Mill's note on this subject in the Jour. B. As. Soc. vol. v., p. 30; also Professor Wilson's remarks, vol. i. p. 8.
have preserved the idiom of this native province and have caused it to prevail along
with the religion which was promulgated through its means.*

We are by no means of opinion that the Hindi, Sindhi, or Pali had an independ-
ent origin prior to the Sanskrit. The more the first of these, which is the most
modern form and the farthest removed from the classical language, is examined
and analyzed the more evidently is its modification and corruption from the ancient
stock found to follow systematic rules, and to evince rather provincial dialectism
(if I may use the word) than the mere engraftment of foreign words upon a pre-
existent and written language. The aboriginal terms of Indian speech must be
rather sought in the hills and in the peninsula; in the plains and populous dis-
tricts of the north the evidences of their existence are necessarily smothered by
the predominance of the refined and durable languages of the court, of religion,
and of the educated classes. A writer in the Foreign Quarterly has lately been bold
enough to revive the theory of Sanskrit being merely a derivative from the Greek
through the intervention of the Zend, and subsequent to the Macedonian inva-
sion! The Agathoclea’s coin ought to answer all such speculations. The Pali of
that day alone with its appropriate symbols is proved to have held the same
precise derivative relation to the Sanskrit as it does now—for the records on
which we argue are not modern, but of that very period. All we still want is to
find some graven Brahmanical record of the same period to shew the character
then in use for writing Sanskrit; and to add ocular demonstration to the proofs
afforded by the profound researches of philologists as to the genuine antiquity of the
venerable depository of the Vedas.§

A DISPUTATION RESPECTING CASTE BY A BUDDHIST.

One day my learned old Buddha friend brought me a little tract in Sans-
krit, with such an evident air of pride and pleasure, that I immediately asked him
what it contained. “Oh, my friend!” was his reply, “I have long been trying to
procure for you this work, in the assurance that you must highly approve the wit
and wisdom contained in it; and, after many applications to the owner, I have at
length obtained the loan of it for three or four days. But I cannot let you have it,
nor even a copy of it, such being the conditions on which I procured you a sight of
it.” These words of my old friend stimulated my curiosity, and with a few fair words
I engaged the old gentleman to lend me and my pandit his aid in making a trans-
lation of it; a task which we accomplished within the limited period of my posses-
sion of the original, although my pandit (a Brahman of Benares) soon declined
co-operation with us, full of indignation at the author and his work! Notwith-

* This is Csoma in No. 14 of Jour. Bengal As. Soc. But Wilson in the Hindu Drama
(Notes on the Mrichi Bakti) derives the Bihar dynasty from Andhra or Tellingana.

§ If the Sanskrit literature be so old as alleged (tenth to fourteenth century a. c.) it
is most strange that we have no Brahmanical monument or inscription nearly so old as
the Buddhist Pali ones. The Rigveda Santhis suggests at once that this cannot be
referred to ignorance, and may be referred to the Sabean genius of primitive Hindu-
ism, which was averse to idols and temples.
BUDDHIST PHILOSOPHY.

standing, however, the loss of the pandit’s aid, I think I may venture to say that the translation gives a fair representation of the matter of the original, and is not altogether without some traces of its manner.

It consists of a shrewd and argumentative attack, by a Baudhaka, upon the Brahmanical doctrine of caste: and what adds to its pungency is, that, throughout, the truth of the Brahmanical writings is assumed, and that the author’s proofs of the erroneousness of the doctrine of caste are all drawn from those writings. He possesses himself of the enemy’s battery, and turns their own guns against them. To an English reader this circumstance gives a puerile character to a large portion of the treatise, owing to the enormous absurdity of the data from which the author argues. His inferences, however, are almost always shrewdly drawn, and we must remember that not he but his antagonists must be answerable for the character of the data. To judge by the effect produced upon my Brahman pundit—a wise man in his generation, and accustomed for the last four years to the examination of Baudhaka literature—by this little treatise, it would seem that there is no method of assailing Brahmanism comparable to that of “judging it out of its own mouth:” and the resolution of the Committee of the Serampore College to make a thorough knowledge of Hindu learning the basis of the education of their destined young apostles of Christianity in India, would thence appear to be most wise and politic. But to return to my little treatise.

We all know that the Brahmans scorn to consider the Súdras as of the same nature with themselves, in this respect resembling the bigoted Christians of the dark ages, who deemed in like manner of the Jews. The manner in which our author treats this part of his subject is, in my judgment, admirable, and altogether worthy of an European mind. Indeed it bears the closest resemblance to the style of argument used by Shakespeare in covertly assailing the analogous European prejudice already adverted to. I need not point more particularly to the glorious passage in the Merchant of Venice: “Hath not a Jew eyes, hands, organs, dimensions, senses, passions; fod with the same food, hurt by the same diseases?” etc.

The Baudhaka treatise commences in the sober manner of a title page to a book; but immediately after the author has announced himself with due pomp, he rushes “in medias res,” and to the end of his work maintains the animated style of vivid disputation. Who Aashu Ghoesa, the author, was, when he flourished, and where, I cannot ascertain. All that is known of him in Nepal is, that he was a Mahá pandit, or great sage, and wrote, besides the little treatise now translated, two larger Baudhaka works of high repute, the names of which are mentioned in a note.*

---o---

I, Aashu Ghoesa, first invoking Manju Ghoesa, the Guru of the world, with all my soul and all my strength, proceed to compose the book called Vajra Stichár,† in

* The Baudha Charitra Kárya, and the Nandi-Mukhamghośha Aadvána, and other works.
† Burnouf has said that the very term Vajra proves this to be a very recent work.
accordance with the Sastras (Hindu or Brahmanical Sastras).

Allow then that your Vedas and Smritis, and works involving both Dharma and Artha, are good and valid, and that discourses at variance with them are invalid, still what you say, that the Brahman is the highest of the four castes, cannot be proved from those books.

Tell me, first of all, what is Brahmanhood? Is it life, or parentage, or body, or wisdom, or the ritual (dharma), or acts, i.e., morality (karma) or the Vedas?

If you say it is life (jiva), such an assertion cannot be reconciled with the Vedas: for it is written in the Vedas that “the sun and the moon, Indra, and other deities, were at first quadrupeds; and some other deities were first animals and afterwards became gods; even the vilest of the vile (Sudara) have become gods.” From these words it is clear that Brahmanhood is not life (jiva), a position which is further proved from those words of the Mahabharata: “Seven hunters and ten deer, of the hill of Kalinjal, a goose of the lake Manasarovara, and a chakra of Sardwipa, all these were born as Brahmanas, in the Kuruksetra (near Delhi), and became very learned in the Vedas.” It is also said by Manu, in his Dharma Sutra, “Whatever Brahman learned in the four Vedas, with their anga and upanga, shall take charity from a Sudra, shall for twelve births be an as, and for sixty births a hog, and seventy births a dog.” From these words it is clear that Brahmanhood is not life; for if it were, how could such things be?

If, again, you say that Brahmanhood depends on parentage or birth (jati); that is, that to be a Brahman one must be born of Brahman parents,—this notion is at variance with the known passage of the Smriti, that Achala Muni was born of an elephant, and Kesa Pingala of an owl, and Agasty Muni from the Agastya flower, and Kausika Muni from the Kuasa grass; and Kapila from a monkey, and Gotama Rishi from a creeper that entwined a saul-tree, and Drona Acharya from an earthen pot, and Taittiri Rishi from a partridge, and Parasu Rama from dust, and Sringa Rishi from a deer, and Vyasa Muni from a fisherwoman, and Kausika Muni from a female Sudra, and Visvamitra from a Chandi, and Vasishtha Muni from a trumpet. Not one of them had a Brahman mother, and yet all were notoriously called Brahmanas; whence I infer, that the title is a distinction of popular origin, and cannot be traced to parentage from written authorities.

Should you again say, that whoever is born of a Brahman father or mother is a Brahman, then the child of a slave even may become a Brahman; a consequence to which I have no objection, but which will not consort with your notions, I fancy.

Do you say, that he who is sprung of Brahman parents is a Brahman? Still I object that, since you must mean pure and true Brahmans, in such case the

But Weber in his new printed edition of it (original and translation) has shown that the Vajra Sachi is at least a thousand years old, for in a work of Sankara Acharya not only is the term Vajra used, but strange to say, the first paragraph of his work is identical with one in the work before us, though of course differently intended as to scope and purpose, Sankara only proposing to exalt his ideal of Brahmanhood by contrasting it with the ordinary and actual types. But this shows what I have elsewhere remarked, viz., that Sainism by its very genius and character (above ordinances) tends to obliterate the distinctive marks of Brahmanism and Buddhism.
BUDDHIST PHILOSOPHY.

breed of Brahmans must be at an end; since the fathers of the present race of Brahmans are not, any of them, free from the suspicion of having wives, who notoriously commit adultery with Sudras. Now, if the real father be a Sudra, the son cannot be a Brahman, notwithstanding the Brahmanhood of his mother. From all which I infer, that Brahmanhood is not truly derivable from birth; and I draw fresh proofs of this from the Manava Dharma, which affirms that the Brahman who eats flesh loses instantly his rank; and also, that by selling wax, or salt, or milk, he becomes a Sudra in three days; and further, that even such a Brahman as can fly like a bird, directly ceases to be a Brahman by meddling with the fleshpots.

From all this is it not clear that Brahmanhood is not the same with birth? since, if that were the case, it could not be lost by any acts however degrading. Knew you ever of a flying horse that by alighting on earth was turned into a pig?—'Tis impossible.

Say you that body (Sarira) is the Brahman? this too is false; for, if body be the Brahman, then fire, when the Brahman's corpse is consumed by it, will be the murderer of a Brahman; and such also will be every one of the Brahman's relatives who consigned his body to the flames. Nor less will this other absurdity follow, that every one born of a Brahman, though his mother were a Kshatriya or Vaisya, would be a Brahman—being bone of the bone, and flesh of the flesh of his father: a monstrousty, you will allow, that was never heard of. Again, are not performing sacrifices, and causing others to perform it, reading and causing to read, receiving and giving charity, and other holy acts, sprung from the body of the Brahman?

Is then the virtue of all these destroyed by the destruction of the body of a Brahman? Surely not, according to your own principles; and, if not, then Brahmanhood cannot consist in body.

Say you that wisdom* constitutes the Brahman? This too is incorrect. Why? Because, if it were true, many Sudras must have become Brahmans from the great wisdom they acquired. I myself know many Sudras who are masters of the four Vedas, and of philology, and of the Mimamsa, and Sankhya, and Vaiseshika and Nyayashika philosophies; yet not one of them is or ever was called a Brahman. It is clearly proved, then, that Brahmanhood consists not in wisdom or learning. Then do you affirm that the Acharya is Brahmanhood? This too is false; for if it were true, many Sudras would become Brahmans; since many Nats and Bhats, and Ksavartas, and Bhandas, and others, are everywhere to be seen performing the severest and most laborious acts of piety. Yet not one of these, who are all so prominent in their Acharya, is ever called a Brahman: from which it is clear that Acharya does not constitute the Brahman.

Say you that Karma makes the Brahman? I answer, no; for the argument used above applies here with even greater force, altogether annihilating the notion that acts constitute the Brahman. Do you declare that by reading the Vedas a

*Perhaps it should rather be translated learning. The word in the original is jnana.
man becomes a Brahman? This is palpably false; for it is notorious that the Rākṣasa Rāvana was deeply versed in all the four Vedas: and that, indeed, all the Rākṣasas studied the Vedas in Rāvana's time: yet you do not say that one of them thereby became a Brahman. It is therefore proved that no one becomes a Brahman by reading the Vedas.

What then is this creature called a Brahman? If neither reading the Vedas, nor Sanskāra, nor parentage, nor race (Kula), nor acts (Karma), confers Brahmanhood, what does or can? To my mind Brahmanhood is merely an immaculate quality, like the snowy whiteness of the Kand flower. That which removes sin is Brahmanhood. It consists of Vrata, and Tepas, and Niyama, and Upādesa, and Dāna, and Dama, and Shama, and Sanyama. It is written in the Vedas that the gods hold that man to be a Brahman who is free from intemperance and egotism; and from Sanga, and Parigrāha, and Rāja, and Dweshā. Moreover, it is written in all the Śāstras that the signs of a Brahman are these, truth, penance, the command of the organs of sense, and mercy; as those of a Chanddāla are the vices opposed to those virtues. Another mark of the Brahman is a scrupulous abstinence from sexual commerce, whether he be born a god, or a man, or a beast. Yet further, Sukra Achārya has said, that the gods take no heed of caste, but deem him to be the Brahman who is a good man, although he belong to the vilest class.

From all which I infer, that birth, and life, and body, and wisdom, and observance of religious rites (dāchāra), and acts (karma) are all of no avail towards becoming a Brahman.

Then again, that opinion of your sect, that Praṇajyā is prohibited to the Śūdra; and that for him service and obedience paid to Brahmins are instead of praṇajyā, —because, forsooth, in speaking of the four castes, the Śūdra is mentioned last, and is therefore the vilest,—is absurd; for if were correct, Indra would be made out to be the lowest and meanest of beings, Indra being mentioned in the Pāṇini Śūtra after the dog, thus——"Sho, Ywa, Mahavā." In truth, the order in which they are mentioned or written, cannot affect the relative rank and dignity of the beings spoken of.

What! is Parvati greater than Mahēśa? or are the teeth superior in dignity to the lips, because we find the latter postponed to the former, for the mere sake of euphony, in some grammar sentence? Are the teeth older than the lips; or does your creed teach you to postpone Siva to his spouse? No; nor any more is it true that the Śūdra is vile, and the Brahman high and mighty, because we are used to repeat the Chatur Varna in a particular order. And if this proposition be untenable, your deduction from it, viz., that the vile Śūdra must be content to regard his service and obedience to Brahmins as his only praṇajyā, falls likewise to the ground.

Know further, that it is written in the Dharma Śūtra of Manu, that the Brahman who has drank the milk of a Śūdrāni, or has been even breathed upon by a Śūdrāni, or has been born of such a female, is not restored to his rank by praṇayashcittā. In the same work it is further asserted, that if any Brahman eat and drink from the hands of a Śūdrāni, he becomes in life a Śūdra, and after death a
BUDDHIST PHILOSOPHY.

dog. Manu further says, that a Brahman who associates with female Śūdras, or keeps a Śūdra concubine, shall be rejected by gods and ancestors, and after death shall go to hell. From all these assertions of the Māṇava Dharma, it is clear that Brahmanhood is nothing indefeasibly attached to any race or breed, but is merely a quality of good men. Further, it is written in the Śāstra of Manu, that many Śūdras became Brahmanas by force of their piety; for example, Kathina Muni, who was born of the sacrificial flame produced by the friction of wood, became a Brahman by dint of Tapas; and Vasishtha Muni, born of the courtesan Urvāsī; and Vyāsa Muni, born of a female of the fisherman's caste; and Rishyasringa Muni, born of a doe; and Visvamitra, born of a Chandālī; and Nārada Muni, born of a female spirit-seller; all these became Brahmanas by virtue of their Tapas. Is it not clear then that Brahmanhood depends not on birth? It is also notorious that he who has conquered himself is a Yāti; that he who performs penance is a Tapasyī; and that he who observes the Brahma charya is a Brahman. It is clear then that he whose life is pure, and his temper cheerful, is the true Brahman; and that lineage (Kula) has nothing to do with the matter. There are these stākas in the Māṇava Dharma, "Goodness of disposition and purity are the best of all things; lineage is not alone deserving of respect. If the race be royal and virtue be wanting to it, it is contemptible and useless." Kathina Muni and Vyāsa Muni, and other sages, though born of Śūdras, are famous among men as Brahmanas; and many persons born in the lowest mārka have attained heaven by the practice of uniform good conduct (śīla). To say therefore that the Brahman is of one particular race is idle and false.

Your doctrine, that the Brahman was produced from the mouth, the Kshatrya from the arms, the Vaisya from the thighs, and the Śūdra from the feet, cannot be supported. Brahmanas are not of one particular race. Many persons have lived who belonged to the Kaccherta Kula, and the Rajaka Kula, and the Chandāla Kula, and yet, while they existed in this world, performed the Chiśā Karan, and Mumja-bandhan, and Dant-kāśihta, and other acts appropriated to Brahmanas, and after their deaths became, and still are, famous under the name of Brahmanas.

All that I have said about Brahmanas you must know is equally applicable to Kṣatriyas; and that the doctrine of the four castes is altogether false. All men are of one caste.

Wonderful! You affirm that all men proceeded from one, i.e., Brahma; how then can there be a fourfold insuperable diversity among them? If I have four sons by one wife, the four sons, having one father and mother, must be all essentially alike. Know too that distinctions of race among beings are broadly marked by differences of conformation and organization: thus, the foot of the elephant is very different from that of the horse; that of the tiger unlike that of the deer; and so of the rest: and by that single diagnosis we learn those animals belong to very different races. But I never heard that the foot of a Kṣatriya was different from that of a Brahman, or that of a Śūdra. All men are formed alike, and are clearly of one race. Further, the generative organs, the colour, the figure, the ordure, the urine, the odour, and utterance, of the ox, the buffalo, the horse, the elephant,
the ape, the monkey, the goat, the sheep, etc., furnish clear diagnostics whereby to separate these various races of animals: but in all these respects the Brahman resembles the Kshatriya, and is therefore of the same race or species with him. I have instanced among quadrupeds the diversities which separate diverse genera. I now proceed to give some more instances from among birds. Thus, the goose, the dove, the parrot, the peacock, etc., are known to be different by their diversities of figure, and colour, and plumage, and beak: but the Brahman, Kshatriya, Vaisya, and Sudra are alike without and within. How then can we say they are essentially distinct? Again, among trees the Rata, and Bakula, and Pulsa, and Asoka, and Taml, and Nagkesar, and Shirish, and Champaa, and others, are clearly distinguished by their stems, and leaves, and flowers, and fruits, and barks, and timber, and seeds, and juices, and odours; but Brahman, and Kshatriyas, and the rest, are alike in flesh, and skin, and blood, and bone, and figure, and excrements, and mode of birth. It is surely then clear that they are of one species or race.

Again, tell me, is a Brahman's sense of pleasure and pain different from that of a Kshatriya? Does not the one sustain life in the same way, and find death from the same causes as the other? Do they differ in intellectual faculties, in their actions, or the objects of those actions; in the manner of their birth, or in their subjection to fear and hope? Not a whit. It is therefore clear that they are essentially the same. In the Udumbara and Panasa trees the fruit is produced from the branches, the stem, the joints, and the roots. Is one fruit therefore different from another, so that we may call that produced from the top of the stem the Brahman fruit, and that from the roots the Sudra fruit? Surely not. Nor can men be of four distinct races, because they sprang from four different parts of one body. You say that the Brahman was produced from the mouth; whence was the Brahmani produced? From the mouth likewise? Grant it—and then you must marry the brother to the sister! a pretty business indeed! if such incest is to have place in this world of ours, all distinctions of right and wrong must be obliterated.

This consequence, flowing inevitably from your doctrine that the Brahman proceeded from the mouth, proves the falsity of that doctrine. The distinctions between Brahmans, Kshatriyas, Vaisyas, and Sudras, are founded merely on the observance of diverse rites, and the practice of different professions; as it clearly proved by the conversation of Vaishampayana, 'Whom do you call a Brahman; and what are the signs of Brahmanhood?' Vaisham answered, 'The first sign of a Brahman is, that he possesses long-suffering and the rest of the virtues, and never is guilty of violence and wrong doing; that he never eats flesh; and never hurts a sentient thing. The second sign is, that he never takes that which belongs to another without the owner's consent, even though he find it in the road. The third sign, that he masters all worldly affections and desires, and is absolutely indifferent to earthly considerations. The fourth, that whether he is born a man, or a god, or a beast, he never yields to sexual desires. The fifth, that he possesses the following five pure qualities, truth, mercy, command of the senses, universal bene-
volence, and penance."* Whoever possesses these five signs of Brahmanhood I acknowledge to be a Brahman; and, if he possess them not, he is a Súdra. Brahmanhood depends not on race (Kula), or birth (Játi), nor on the performance of certain ceremonies. If a Chándála is virtuous, and possesses the signs above noted, he is a Brahman. Oh! Yudhíthíra, formerly in this world of ours there was but one caste. The division into four castes originated with diversity of rites and of avocations. All men were born of women in like manner. All are subject to the same physical necessities, and have the same organs and senses. But he whose conduct is uniformly good is a Brahman; and if it be otherwise he is a Súdra; aye, lower than a Súdra. The Súdra who, on the other hand, possesses these virtues is a Brahman."

"Oh, Yudhíthíra! If a Súdra be superior to the allurements of the five senses, to give him charity is a virtue that will be rewarded in heaven. Heed not his caste; but only mark his qualities. Whoever in this life ever does well, and is ever ready to benefit others, spending his days and nights in good acts, such an one is a Brahman; and whoever, relinquishing worldly ways, employs himself solely in the acquisition of Móksha, such an one also is a Brahman; and whoever refrains from destruction of life, and from worldly affections, and evil acts and is free from passion and backbiting, such an one also is a Brahman; and whose possesses Kásháma, and Dayá, and Dama, and Dán, and Sátya, and Sáucháma, and Smrítí, and Ghritá, and Vídya, and Vijnána, etc., is a Brahman. Oh, Yudhíthíra! if a person perform the Brahmacarya for one night, the merit of it is greater than that of a thousand sacrifices (yajna). And whose has read all the Vedas, and performed all the Tirthás, and observed all the commands and prohibitions of the Sútra, such an one is a Brahman! and whose has never injured a sentient thing by act, word, or thought, such a person shall instantly be absorbed (at his death) in Brahma."

Such were the words of Vaishampáyana. Oh, my friend, my design in the above discourse is, that all ignorant Brahmans and others should acquire wisdom by studying it, and take to the right way. Let them, if they approve it, heed it; and if they approve it not, let them neglect its admonitions.

---

**ON THE EXTREME RESEMBLANCE THAT PREVAELS BETWEEN MANY OF THE SYMBOLS OF BUDDHISM AND SAIVISM.**

It is the purpose of the following paper to furnish to those who have means and inclination to follow them out, a few hints relative to the extreme resemblance that prevails between many of the symbols of Buddhism and Saivism. Having resided myself some few years in a Baudhá country, I have had ample opportunities of noting this resemblance, and a perusal of the works of Crawford, of Raflès, and of the Bombay Literary Society, has satisfied me that this curious similitude

* The word in the original is Tapasa, which we are accustomed to translate "penance," and I have followed the usage, though "ascetism" would be a better word. The proud Tapasyá, whom the very gods regard with dread, never dreams of contrition and repentance.
is not peculiar to the country wherein I abide. I observe that my countrymen, to whom any degree of identity between faiths in general so opposite to each other as Saivism and Buddhism, never seems to have occurred, have in their examinations of the monuments of India and its Islands, proceeded upon the assumption of an absolute incommunion between the types of the two religions as well as between the things typified. This assumption has puzzled them not a little so often as the evidence of their eyes has forced upon them the observation of images in the closest juxta-position which their previous ideas nevertheless obliged them to sunder as far apart as Brahmanism and Buddhism!

When in the country in which I reside, I observed images the most apparently Saiva placed in the precincts of Ssugata temples, I was at first inclined to consider the circumstance as an incongruity arising out of an ignorant confusion of the two creeds by the people of this country; but upon multiplying my observations such a resolution gave me no satisfaction; these images often occurred the very penetralia of Ssugata temples; and in the sequel I obtained sufficient access to the conversation, and books of the Bauddhas to convince me that the cause of the difficulty lay deeper than I had supposed.* The best informed of the Bauddhas contemptuously rejected the notion of the images in question being Saiva, and in the books of their own faith they pointed out the Bauddha legends justifying and explaining their use of such, to me, doubtful symbols. Besides, my access to the European works of which I have already spoken exhibited to me the very same apparent anomaly existing in regions the most remote from one another, and from that wherein I dwell. Indeed, whencesoever Bauddha monuments, sculptural or architectural, had been drawn by European curiosity the same dubious symbols were exhibited; nor could my curiosity be at all appeased by the assumption which I found employed to explain them. I shewed these monuments to a well informed old Bauddha, and asked him what he thought of them, particularly of the famous Tri-Múrti image of the Cave temple of the West. He recognised it as a genuine Bauddha image! As he did many many others declared by our writers to be Saiva! Of these matters you may perchance hear hereafter, suffice it at present to say that I continued to interrogate my friend as to whether he had ever visited the plains of India, and had there found any remains of his faith. Yes, was the prompt reply, I made a pilgrimage to Gayah, in my youth: I then asked him if he remembered what he had seen, and could tell me. He replied that he had, at the time, put a few remarks on paper which he had preserved, and would give me a copy of, if I desired it. I bade him do so, and was presented with a paper of which the enclosed is a translation. Let me add that never having visited Gayah, I cannot say anything relative to the accuracy of my friend's details, and that in regard to the topographical ones, there are probably a few slight mistakes. I am aware that an accurate explanation

* Causes are not at present my game: but consider the easy temper of superstition: the common origin of Buddhism and Brahmanism in India; the common tendency of both Saivaism and Buddhism to asceticism, etc. Even Christianity adopted many of the rites and emblems of classic paganism.
from the Buddha books of the drawings that accompany my paper, would be
of more value than that paper. But, Sir, non omnia possimus omnes, and I
hope that a Buddha comment on Brahmanical ignorance will be found to possess
some value, as a curiosity; and some utility, for the hints it furnishes rela-
tive to the topic adverted to in this letter.

P.S.—Captain Dangerfield's five images in the cave at Bâg, and which the
Brahmans told him were the five Pândus, are doubtless the "Pancha Buddha
Dhyâni;" as is the Captain's "Charan," said to be that of Vişnu, the Charan
of Sâkya Sinha; or that of Manju Ghoâla. If it be the latter, it has an eye
engraved in the centre of each foot: if the former, it has the aśktmangal
and suhshra chakra.

Buddh Gayah, according to a Nepalese Buddha who visited it.

In Buddh Gayah there is a temple* of Mahâ Buddha in the interior of which
is enshrined the image of Sâkya Sinha: before the image is a Chaitya of stone, close
to which are the images of three Lukówars, viz., Halâ halâ Łokèswara, Hari hari
hari wâhana Łokeswara, and Amogha pása Łokeswara.† This temple of Mahâ
Buddha, the Brahman’s call the temple of Jagat Nâtha, and the image of Sâkya
Sinha they denominate Mahâ Muni; † of the three Lok Nâths, one they call Ma-
hâ Deva, one Pârvatî, and the third their son. On the south side of the tem-
ple of Mahâ Buddha is a small stone temple in which are the images of the seven
Buddhas; and near to them on the left three other images, of Halâ halâ Łoke-
wara, Maitreya Bodhisatwa, and Dipankara Buddha. The Brahman’s call six of
the seven Buddhas, the Pândus and their bride, but know not what to make of the
seventh Buddha, or of the remaining three images.

* The word in the original is Kûtâgâr, and I understand that the temple of Mahâ
Buddha in the city of Patan, in this valley, is built after the model of the Gayah
temple. If so, the latter is of the same general form with the Orissan Jagannath. The
Patan temple is divided in the interior into five stories. Sâkya Sinha, the genius
loci, is enshrined in the centre of the first story; Amitâbha, the fourth Dhyâni Buddha,
occupies the second story; a small stone Chaitya, the third; the Dharma Dhatu
mandal, the fourth; and the Vajra Dhatu mandal, the fifth and highest story, and
the whole structure is crowned, on the outside, by a Chûrâ Manî Chaitya.
† Halâ halâ Łokèswara, a form of Pâdma Pâni, the fourth Dhyâni Bodhisatwa,
and active creator and governor of the present system of nature. Three Dhyâni Bodhi-
satwas preceded him in that office, and one remains to follow him.
†This name is equivocal: the Brahman’s mean I suppose, to designate by it the chief
of their own Munis. The Baudhâs recognise it as just, since the Tri-Kând Seh, and
many of their scriptures give this name to Sâkya Sinha.
§ The Baudhâ scriptures say that one form is common to all the seven great Mânu-
ushi Buddhas. The figure I have given of Sâkya has the Bhûmi-spara Mudrâ, or
right hand touching the earth. The Gayah image of him is said to have the Dhyân
Mudrâ for the position of the hands. That is, the two hands open and laid one on
the other and both resting on the doubled thighs, the figure sitting tailor-wise.
There is nothing improper in giving that Mudrâ to Sâkya or other Mânushi Buddhas,
but usually it is appropriated to Amitâbha; and almost all the images of Sâkya that I
have seen are characterised by the Bhûmi-spara Mudrâ. Sâkya’s image is generally
supported by lions, sometimes however by elephants, Sâkya’s appropriate colour is yel-
low or golden, which colour, like the other characteristics, belongs also to the remaining
six great Mânushi.
Upon the wall of the small temple containing the Sapta Buddha, and immediately above their images is an image of Vajra Satwa,† one head, two hands, in the right hand a Vajra, and in the left a bell, with the lock on the crown of the head, twisted into a turban: the Brahmanas call this image of Vajra Satwa Mahá Brahmani. At the distance of fifteen yards, perhaps, east of the great temple of Mahá Buddha is another small temple in which is placed a circular slab having the print of the feet of Śākya Śinha graven on it. The feet are known to be those of Śākya, because the stone has the eight mangals,§ and the thousand-fold chakra upon it. The Brahmanas of Gayah call this Charan, the Charan of Vishnu, but they are silent when the mangals and chakras are pointed out to them as decisive proofs of their error.

Somewhat further (perhaps 150 yards) from the great temple of Mahá Buddha towards the east, is a Kund called Páni Hata, and at the eastern corner of the well is the image of Maitreya Bodhisatwa.

The Kund is called Páni Hata because Śākya produced the spring of water by striking his hand on the ground there. That water has eight peculiar qualities. The Brahmanas say that the Kund is Sarasawati’s, and insist that Maitreya’s image is the image of Sarasawati. At a little distance to the north of the great Mahá Buddha temple are many small Chaityas,‖ which the Brahmanas call Śiva Lingas, and as such worship them, having broken off the Chúrá Mani from each.*

Much astonished was I to find the great temple of my religion consecrated to Brahman worship, and Brahmanas ignorantly falling down before the Gods of my fathers.

The purpose of my paper is to show that very many symbols, the most apparently Śaiva, are notwithstanding strictly and purely Buddha; and that, therefore, in the examination of the antiquities of India and its islands, we need not vex ourselves, because on the sites of old Śaugata temples we find the very genius loci arrayed with many of the apparent attributes of a Śaiva God; far less need we infer from the presence, on such sites, of seemingly Śaiva images and types, the presence of actual Śivaism.

† Vajra Satwa is a Dhyáni or celestial Buddha. There is a series of five celestial Buddhas, to whom are assigned the five elements of matter, the five organs of human sense, and the five respective objects of sensation. There is also a series of six Dhyáni Buddhas, which is composed of the above five, with the addition of Vajra Satwa, and to him are ascribed intellectual force and the discrimination of good and evil.

§ These are symbols of the Vitarágas, which are portions of the eight Bodhisatwas. See Naipálya Kalyáná, in Jour. Ben. As. Society.

‖ The Chaitya is the only proper temple of Buddhism, though many other temples have been adopted by the Śaugatas for enshrining their Dii Minorea. In Nepal, the Chaitya is exclusively appropriated to five Dhyáni Buddhas, whose images are placed in niches around the base of the solid hemisphere which forms the most essential part of the Chaitya. Almost every Nepal Chaitya has its hemisphere surmounted by a cone or pyramid called Chúrá Mani. The small and unadorned Chaitya might easily be taken for a Lingam. It was so mistaken by Mr. Crawfurd, etc.

* The like metamorphosis of the Chaitya into a Lingam and its worship as the latter, may now be seen in numerous instances in Nepal, e.g., at Kali’s temple on the road side near Tundi Khél.
BUDDHIST PHILOSOPHY.

Crawfurd, standing in the midst of hundreds of images of Buddhas, on the platform of a temple, the general form and structure of which irresistibly demonstrated that it was consecrated to Saugatism, could yet allow certain appearances of Sivaism to conduct him to the conclusion, that the presiding Deity of the place was Hara himself! Nay, further, though he was persuaded that the ancient religion of the Javanese was Buddhism, yet having always found what he conceived to be the unequivocal indices of the presidency of the Hindu destroyer, in all the great Saugata temples, he came to the general conclusion, that "genuine Buddhism" is no other than Sivaism. I thought when I had shewn no reliance could be placed upon the inference from seemingly Saiva symbols to actual Sivaism, I had smoothed the way for the admission that those cave-temples of the west of India, as well as those fine edifices at Java, wherein the majority of indications both for number and weight prove Buddhism, are Baudhā and exclusively Baudhā; notwithstanding the presence of symbols and images occupying the post of honour, which, strongly to the eye, but in fact, erroneously in these cases, seem to imply Sivaism, or at least a coalition of the two faiths. For such a coalition at any time and in any place, I have not seen one plausible argument adduced; and as for the one ordinarily derived from the existence of supposed Saiva images and emblems in and around Baudhā temples, it is both erroneous in fact, and insufficient were it true. However probably borrowed from Sivaism, these images and symbols became genuinely Buddhā by their adoption into Buddhism—just as the statue of a Capitoline Jupiter became the very orthodox effigy of St. Paul, because the Romanists chose to adopt the Pagan idol in an orthodox sense. And were this explanation of the existence of seeming Sivaism in sites which were beyond doubt consecrated to Buddhism, far less satisfactory than it is, I would still say it is a thousand times more reasonable than the supposition of an identity or coalition* between two creeds, the speculative tenets of which are wide asunder as heaven and earth, and the followers of which are pretty well known to have been, so soon as Buddhism became important, furiously opposed to each other.

Upon the whole, therefore, I deem it certain, as well that the types of Sivaism and Buddhism are very frequently the same, as that the things typified are, always more or less, and generally radically, different.

Of the aptness of our writers to infer Sivaism from apparently Saiva images and emblems, I shall adduce a few striking instances from Crawfurd's second volume, chap. i., on the ancient religion of the Islanders; and to save time and avoid odium, I speak rather to his engravings, than to his text; and shall merely state matters, without arguing them.

Let me add, too, that Crawfurd's mistakes could not well have been avoided. He had no access to the dead or living oracles of Buddhism, and reasoning only

*In regard to those cave-temples of the Western Continent of India, called mixed Saiva and Baudhā, the best suggested solution is success in possession—but I believe them to have been wholly Buddhist.
BUDDHIST PHILOSOPHY.

from what he saw, reasonably inferred that images, the most apparently Saiva, were really what they seemed to be; and that Saiva images and emblems proved a Saiva place of worship.

In his chapter already alluded to, there are several engravings. No. 27 is said to be "a figure of Mahá Deva as a devotee." It is, in fact, Sinha-Nátha-Lokeswara. Plate 28 is called "a representation of Siva." It is, in fact, Lokeswara Bhágawán or Padma Páni,§ in his character of creator and ruler of the present system of nature. How Mr. Crawfurd could take it for Siva, I do not know, since in the forehead is placed a tiny image of Amitábha Buddha, whose son Padma Páni is feigned by the Baudhá mythology, to be. Again, the principal personage in plate 21 is said to be "Siva in his car." It is, in truth, Namuchi Mára, (the Baudhá personification of the evil principle,) proceeding to interrupt the Dhyáni Sákyá Sinha; and plate 22 gives a continuation of this exploit, exhibiting Sákyas meditating, and the frustration of Namuchi's attempt by the opposition of force to force. || The whole legend is to be found in the Sambhu purána.

The same work contains likewise the elucidation of plate 24, of which Mr. C. could make nothing.

Of the remaining plates, and of the text of this chapter of Mr. C.'s, on other subjects, very able work, it would be easy, but it would to me be wearisome, to furnish the true explanation from the books or oral communications of the Baudhás of Nepaul, to the more learned of whom the subjects of the plates in Mr. C's book are perfectly familiar. One quotation from Mr. C.'s text, and I have done. At p. 209, vol. ii., he observes: "The fact most worthy of attention, in respect to the images of Buddha, is that they never appear in any of the great central temples as the primary objects of worship, but in the smaller surrounding ones, seeming themselves to represent votaries. They are not found as single images, but always in numbers together,* seeming, in a word, to represent, not Deities themselves, but sages worshipping Siva."

The whole secret of this marvel is, that the temples seen by Mr. C. were not genuine Chaityas, but either composite Chaityas, or structures still less exclusively appropriated to the Dhi majores of Buddhism. The genuine Chaitya is a solid structure exclusively appropriated to the Dhyáni Buddhas, whose images are placed in niches round the base of its hemisphere. Mánuáhi Buddhas and Dhyáni and Mánuáhi Bodhisatwas and Lokeswaras, with their Saktís, are placed in and around various holodô temples, less sacred than the Chaityas.† These Bodhisatwas and

§ At Kurnagh (the ruins near Bhagulpur) there is a fine and perfect image of Padma Páni, with Amitábha in the forehead. The Pujári to me called it a Krishna, and was astounded when he heard my explanation and whence derived.

|| See Jour. Amer. Ori. Soc., vol. ii., part ii, pp. 31-35, for another version of this story.

* And why not ! for Buddha is a mere title: and though there are but six Dhyáni Buddhas, there are hundreds of Mánuáhis, which latter are constantly placed about temples in vast numbers; always as objects, though not, when so placed, special ones, of worship.
BUDDHIST PHILOSOPHY.

Lokeswaras never have the peculiar hair of the Buddhas, but, instead thereof, long-braided locks like Siva; often also the sacred thread and other indications apt to be set down as proofs, "strong as holy writ," of their being Brahmanical Deities. Such indications, however, are delusive, and the instances of plates 27 and 28, show how Mr. C. was misled by them.

By the way, Mr. C. is biased by his theory to discover Sivaism, where it did not and could not exist, of which propensity we have an odd instance (unless it be an oversight or misprint) in p. 219: for no one needs be told that Hari is Vishnu, not Siva,§ and I may add that in adopting as Dii minores the Gods of the Hindoo Pantheon, the Baudha have not, by any means, entirely confined themselves to the Sectarian Deities of the Saivas.

P.S.—A theistic sect of Buddhas having been announced as discovered in Nepal, it is presently inferred that this is a local peculiarity. Let us not be in too great haste: Mr. Crawfurd's book (loc. citato) affords a very fine engraving of an image of Akshobhya, the first Dhyani, or Celestial Buddha, (see plate 29,) and I have remarked generally that our engravings of Baudha architecture and sculpture, drawn from the Indian cave temples, from Java, etc., conform, in the minutest particulars, to the existing Saugata monuments of Nepal—which monuments prove hero, (as at Java,) the foreign and Indian origin of Buddhism, animals, implements, vehicles, dresses, being alien to Nepal, and proper to India.

THE PRAVRAJYA VRATA OR INITIATORY RITES OF THE BUDDHISTS

ACCORDING TO THE PUJA KAND.

If any one desires to become a Bandya (monastic or proper Buddhist) he must give notice thereof, not more than a month or less than four days, to his Guru, to whom he must present paum, supari, dakhind, and akshat, requesting the Guru to give him the Pravrajya Vrata. The Guru, if he assent, must accept the offerings and perform the Kalasi pujā, which is as follows: The Guru takes a kalasi or vessel full of water and puts into it a lotus made of gold or other precious metal, and five confections, and five flowers, and five trees (small branches), and five drugs, and five fragrant things, and five Brihi, and five Amrita, and five Ratna, and five threads of as many diverse colours. Above the vessel he places rice, and then makes pujā to it. He next seats the aspirant before the vessel in the Vajra āsan fashion and draws on the ground before the aspirant four mandals or circular diagrams, three of which are devoted to the Tri Ratna, and the fourth to the officiating Guru. Then the aspirant repeats the following text: 'I salute Buddhāsth, Dharma, and Sangha, and entreat them to bestow the Pravrajya Vrata on me, wherefore I perform this rite to them and to my Guru, and present

† As for example, Sākya Sinha in the great temple of Gya, which is a Kūtāgar, and wherein Sākya appears as the genius loci.

§ See also pp. 221-2, for a singular error into which apparently Mr. C's pursuit of his theory could alone have led him. Flowers not offered by Hindoes to their Gods, and therefore Buddha was a sage merely, and not a God!!
BUDDHIST PHILOSOPHY.

Reciting this text and holding five _supāris_ in each hand, the aspirant, with joined hands, begs the Guru to make him a Bandya. The offerings above mentioned he gives to the Guru, and _dakshinā_ proportioned to his means. This ceremony is called _Gudl Ṿaṇ_. On the next day the ceremony above related is repeated, with the under-mentioned variations only. As in the _Gudl Ṿaṇ_ the _Kālasi pājā_ and _Devā pājā_ are performed, so here again: but the aspirant on the former occasion is seated in the _Vajra Ṿaṇ_ manner, in this day's ceremony in the _Sustaka Ṿaṇ_. The _Sustaka Ṿaṇ_ is thus: first of all _kāś_ is spread on the ground, and above it, two unbaked bricks, and above them the _Sustaka_ inscribed, thus—

head a _Vajra_ is placed and the Guru reads some _mantras_. Next comes the ceremony of the Loha _Rakṣā_ (iron padlocks), and places one on the belly and the two others on the shoulders of the neophyte, repeating some more _mantras_, the purport of which is an invocation of divine protection from ill, on the head of the aspirant. This rite is followed by the _Agni Rakṣā_, that is, the Guru puts a cup of wine ( _sūr-sūktra_ ) on the head of the Chela and utters some prayers over him.

Next is performed the _Kalasi-Abhisheka_ or baptism; that is, holy water from the _Kalasi_ is sprinkled by the Guru on the Chela's head and prayers repeated over him; after which, the _Nāyaka Bandya_ or head of the Vihār (Abbot or Prior,) comes and puts a silver ring on the finger of the aspirant. The Nāyaka, or superior aforesaid, then takes four seers of rice and milk mixed with flowers, and sprinkles the whole, at three times, on the aspirant's head. Next the Nāyaka performs the _Vajra Rakṣā_, and then makes _pājā_ to the Guru _Mandal_ before mentioned, which ceremony completed, he rings a bell, and then sprinkles rice on the aspirant and on the images of the Gods.

Then the aspirant, rising, pays his devotions to his Guru, and having presented a small present and a plate of rice to him, and having received his blessing, departs. This second day's ceremony is called _Dūsāla_.

The third day's is denominated _Pravra Vrata_(*), and is as follows:

Early in the morning the following things, _viz._, the image of a Chaitya, those of the Tri _Ratna_ or _Triad_, the _Prajñā Pāramitā_ scripture, and other sacred scriptures, a _kālaśa_, or water-pot filled with the articles before enumerated, a platter of curds, four other water-pots filled with water only, a _Chivara_ and _Newās_, a

---

* The monastic vows properly so called.
BUDDHIST PHILOSOPHY.

Pinda pátra and a Khikshari, a pair of wooden sandals, a small mixed metal plate spread over with pounded sandal wood, in which the image of the moon is inscribed, a golden razor and a silver one, and lastly, a plate of dressed rice, are collected, and the aspirant is seated in the Sústak Asan and made to perform worship to the Guru Mandala, and the Chaitya, and the Tri Ratna and the Prajñá Páramitá Sástra. Then the aspirant, kneeling with one knee on the ground with joined hands, entreats the Guru to make him a Bandya, and to teach him whatsoever it is needful for him to know. The Guru answers, 'O! disciple! if you desire to perform the Pravrajya Vrata, first of all devote yourself to the worship of the Chaitya and of the Tri Ratna; you must observe the five precepts or Pancha Sikhsá, the fastings and the vows prescribed; you must hurt no living thing; nor amass property of any kind; nor go near women; nor speak or think evilly; nor touch any intoxicating liquors or drugs; nor be proud of heart in consequence of your observance of your religious and moral duties.'

Then the aspirant pledges himself thrice to observe the whole of the above precepts; upon which the Guru tells him, 'If while you live you will keep the above rules, then will I make you a Bandya.' He assents, when the Guru, having again given the three Rakshás above mentioned to the Chela, delivers a cloth for the loins to him to put on. Then the Guru brings the aspirant out into the court yard, and having seated him, touches his hair with rice and oil, and gives those articles to a barber. The Guru next puts on the ground a little pulse and desires the Chela to apply it to his own feet. Then the Guru gives the Chela a cloth of four fingers' breadth and one cubit in length, woven with threads of five colours, and which is especially manufactured for this purpose, to bind round his head. Then he causes the aspirant to perform his ablutions; after which he makes pujá to the hands of the barber in the name of Viswakumára, and then causes the barber to shave all the hair, save the forelock, off the aspirant's head. Then the paternal or maternal aunt of the aspirant takes the vessel of mixed metal noted and collects the hair into it. The aspirant is now bathed again and his nails pared; when the above party puts the parings into the pot with the hair. Another ablution of the aspirant follows, after which the aspirant is taken again within, and made. Then the Guru causes him to eat, and also sprinkles upon him the Pancha Garbha, and says to him, 'Heresfore you have lived a householder; have you a real desire to abandon that state and assume the estate of a monk? The aspirant answers in the affirmative, when the Guru or Náyaka,* or maternal uncle, cuts off with his own hand, the aspirant's forelock. Then the Guru puts a tiara adorned with the images of the five Buddhas on his own head, and taking

* These, with the water-pot or Gahdhar and an umbrella constitute the equipments of a Baudhá ascetic. The cháta and níns are the upper and lower garments. The pátra pátra is the begging platter; Khikshari, the appropriate baton or distinctive staff (carried in the hand and surmounted by a model of a Chaitya). The Mani or prayer-cylinder, which is so universally in the hands of the Tibetan monks, is not in use in Nepaul. The cháta and níns are of a deep red color.

† Náyaka is Abbot, that is, head of the Religious House into which the neophyte purposes to enter.
the kalas or water-pot, sprinkles the aspirant with holy water, repeating prayers at the same time over him.

The neophyte is then again brought below, when four Náyakas or superiors of proximate Viháras and the aspirant's Guru perform the Pancha Abhieheka, i.e., the Guru takes water from the kalas and pours it into a conch; and then, ringing a bell and repeating prayers, sprinkles the water from the conch on the aspirant's head; whilst the four Náyakas, taking water from the other four water-pots named above, severally baptize the aspirant. The musicians present then strike up, when the Náyakas and Guru invoke the following blessing on the neophyte: 'May you be happy as he who dwells in the hearts of all, who is the universal Atman, the lord of all, the Buddha called Ratna Sambhava.' The aspirant is next led by the Náyakas and Guru above stairs, and seated as before. He is then made to perform péjîd to the Guru Mandal and to sprinkle rice on the images of the Deities. The Guru next gives him the Chśvara, and Nivása, and golden earrings, when the aspirant thrice says to the Guru, 'O Guru, I, who am such an one, have abandoned the state of a householder for this whole birth, and have become a monk.' Upon which the aspirant's former name is relinquished and a new one given him, such as Ananda Sháli Putra, Kásyapa, Dharma Srid Mitra, Páramítá Ságar. Then the Guru causes him to perform péjîd to the Tri Ratna, after having given him a golden tiśra, and repeated some prayers over him. The Guru then repeats the following praises of the Tri Ratna: 'I salute that Buddha who is the lord of the three worlds, whom Gods and men alike worship, who is apart from the world, long-suffering, profound as the ocean, the quintessence of all good, the Dharma Rája and Munindra, the destroyer of desire and affection, and vice and darkness; who is void of avarice and lust, who is the ikon of wisdom. I ever invoke him, placing my head on his feet.'

'I salute that Dharma, who is the Prajná Páramitá, pointing out the way of perfect tranquillity to all mortals, leading them into the paths of perfect wisdom; who, by the testimony of all the sages, produced or created all things; who is the mother of all the Bodhisatwas and Srávakas. I salute that Sangha, who is Avalokiteswara and Maitreya, and Gagan Ganja, and Samanta Bhadra, and Vajra Páni, and Manju Ghośa, and Sarvani varana Viskambhi, and Káhití Garbha and Kha Garbha.' The aspirant then says to the Guru, 'I will devote my whole life to the Tri Ratna, nor ever desert them.' Then the Guru gives him the Daś Sikkhá or ten precepts observed by all the Buddhas and Bhikkhus; and commands his observance of them. They are: 1. Thou shalt not destroy life; 2. Thou shalt not steal; 3. Thou shalt not follow strange faiths; 4. Thou shalt not lie;

†These are nine Bodhisatwas, whereas the first, or Padma Páni, is now lord of the ascendant, and as such constitutes the Sangha of the present cycle, and is therefore associated to Buddha and Dharma of the triad as the third member of it. But there is confusion of celestial and mortal Bodhisatwas, and so also in the general enumeration. (See and compare pp. 95 and 96.) The Padma Páni here spoken of is probably Avalokiteswara, who seems to be the same with Matyendra Náth—a mortal clearly, and therefore improperly identified with Padma Páni, a celestial. Of the rest all but four or five are mortal Sanghas.
BUDDHIST PHILOSOPHY.

6. Thou shalt not touch intoxicating liquors or drugs; 6. Thou shalt not be proud of heart; 7. Thou shalt avoid music, dancing, and all such idle toys; 8. Thou shalt not dress in fine clothes, nor use perfumes or ornaments; 9. Thou shalt sit and sleep in lowly places; 10. Thou shalt not eat out of the prescribed hours.

The Guru then says, 'All these things the Buddhas avoided. You are now become a Bhikshu and you must avoid them too;' which said, the Guru obliterates the Tri Ratna Mandala. Next, the aspirant asks from the Guru the Chivara and Nivása, the Pinda Pātra and Khikshari and Gandhar, equipments of a Buddhist ascetic: they are an upper and lower garb of special form, a begging platter, a short staff surmounted by a Chāitya and a water pot. Add thereto an umbrella and sandals to complete it. The aspirant proceeds to make a Mandala and places in it five flowers, and five Druba-Kund, and some Śālī, and some rice, and assuming the Utkātak Asan, and joining his hands, he repeats the praises of the Tri Ratna above cited, and then again requests his Guru to give him three suits of the Chivara and the like number of the Nivása—one for occasions of ceremony, as attending the palace, another for wearing at meals, and the third for ordinary wear. He also requests from his Guru the like number of Gandhār or drinking cups, of Pinda Pātra, and of Khikshari. One entire suit of these the aspirant then assumes, receiving them from the hands of the Guru, who, previously to giving them, consecrates them by prayers. The aspirant then says, 'Now I have received the Pravrajya Vrata, I will religiously observe the Śīla-skandha the SamŚāhi-skandha, the Prajñā-skandha, and the Vinuksīskandha.'

Then the Guru gives him four sprinklings of holy water and presents him with an umbrella having thirty-two radii. Next he sprinkles him once again and gives him a pair of wooden sandals—after which the Guru draws on the ground linearly, and near to each other, seven images of the lotus flower, upon each of which he puts a supārī, and then commands the aspirant to traverse them, placing a foot on each as he proceeds. When the Chela has done so, the Guru placing the Pancha Rakṣā Sāstra on his head, sends him into the sanctum, where stands the image of Śākya Sinha, to offer to it pāna, and supārī, and daṇkāhīnd. All this the Chela does, and likewise performs the Pancha Upachārya pūjā; when, having circumambulated the image, he returns to the Guru.

Then the Guru performs the ceremony called Shīk Adivāsan, which is thus: The ball of five-coloured thread mentioned in the first day's proceedings as being deposited in the kalas, is taken out of the kalas and one end of it twisted thrice round the neck of the kalas; it is then unrolled and carried on to the Chela and twined in like manner round the Khikshari he holds in his hands, whence it is continued unbroken to the Guru and delivered into his hands. The Guru holding the clue in his hands, repeats prayers and then rolls up the thread and then redeposits it in the kalas. He next performs the Pancha Upachārya pūjā to the kalas and to the Khikshari; next he gives flowers and a blessing to the aspirant; next he gives him the Abhijāneka, invests his neck with a cord composed of a piece of the thread just adverted to; places the Pancha Rakṣā Sāstra on his head, and
repeats over him some prayers. The Mandal is then obliterated, when the aspirant is made to perform the Mahá Bali ceremony, which is thus:—

In a large earthen vessel four seers of dressed rice, and a quarter of the quantity of Bhatmas, and a noose and a mask faced like Bhairava,* having a small quantity of flesh in the mouth of it, are placed; and the aspirant makes pujá to Bhairava, presenting to the mask the Naived and a light, and pouring out water from a conch he holds in his hands so that it shall fall into the vessel. The Guru repeats mantras, and invoking the Devatas and Nágas, and Yakshas, and Rákshasas, and Gandharvas, and Mahoragas, and mortals, and immortals (Amańuhás), and Pretas, and Pisáchas, and Dákas, and Dákinis, and Mátrika Grahas, and Ápas Már-gas, and all motionless and moving things, he says, 'Accept this Bali and be propitious to this aspirant, since the sacrifice has been performed according to the directions of Vajra Sātwca.' Such is the Sarva Bhuţa Bali. In like manner the Balis of Mahá Kála, and of the Graha, and of the guardians of the four quarters, and of Ekavinsati, and of Basundharé, and of the Chaitya, and of Pindí Karma, and of Amoghpráś, and of Sarak Dhára, and of Tárá, and of Hevajra, and of Kurkulla, and of Vajra Krodha, and of Marichi, and of Ushnísha, and of Hárti, are performed. Next the Balis denominated the Tyága Bali, and the Sanskhá Bali, are thus performed. In the conch are put flesh, and blood and spirits, which are poured as before, into the great vessel, whilst the Deities of all the six quarters are invoked with prayers. Then the Pancha Upachárá pujá is made in the vessel, after which the aspirant is commanded to perform the Chakra pujá, which completed, he returns to his seat. The Chakra pujá is that which is made to all the images in the Vihi by going round to them all. The Guru then causes the aspirant to perform the Guru Mandal pujá and afterwards to sprinkle rice on all the images, which done, the aspirant gives Dakshiná to the Guru, and the Guru, in return, gives the aspirant a small quantity of rice and a trifle of money. Then the Guru causes him to perform the Des-Bali-Yátra, which is, the aspirant removes the great earthen vessel with its contents, by means of carriers, and distributes the contents in small quantities to all the shrines of Daityas, and Pisáchas, and other evil spirits throughout the city; and having distributed them, returns with the empty vessel.

Then the Guru and ten Náyakas take the aspirant to make the circuit of all the shrines in the neighbourhood and to present at each, offerings of rice, and pdźn, and supdri, and flowers; after which they go to the Chela's home, when his relatives come out and give him four seers of rice, and then conduct the aspirant and the rest within and feed them with khél or rice and milk. The Guru then returns to the Vihi, and the Chela remains at home.§ Then the aspi-

* Thus far all is conducted according to the Pauránik exoteric and purely Buddhist ritual: what follows is derived from the Tantrik esoteric, and not purely Buddhist ritual.  § Here end the scriptural injunctions: what follows rests on customary authority only, and has reference to the fact that in Nepaul the Buddhists have long since abandoned the monastic restraints. Tonsure is the only mark of the old monastic habits still re-
BUDDHIST PHILOSOPHY.

rant must, at all events, practise mendicity and the other rules of his order, for four days: but if at the end of that time, he feel no serious call to the monastic profession he must go to his Guru at the Vihāra and to his Upādhyāya, (the latter is his instructor in the forms of pūjā, according to the Pūjā Kānd) and addressing the Guru, must say, ‘O Guru! I cannot remain an ascetic, pray take back the Chīvara and other ensigns of monachism; and, having delivered me from the Srāvaka Chārya, teach me the Mahā Yān Chārya.’ The Guru replies, ‘Truly, in those degenerate days to keep the Pravrajya Vṛata is hard; adopt then the Mahā Yān Chārya. But if you abandon the Pravrajya, still you cannot be relieved from observing the following commandments:—Not to destroy life. Not to steal. Not to commit adultery. Not to speak evilly. Not to take spiritual licens, and drugs. To be clement to all living beings. The observance of the above rules shall be a pravrajya to you, and if you obey them, you shall attain to Mukti!’ The aspirant then washes the Guru’s feet, and having done so, returns to his seat, when the Guru having prepared the materials of pūjā noted in the first day’s ceremonies, makes pūjā to the Kalas, after which he makes pūjā to the vessel, holding the aspirant’s shorn locks. He then draws Mandals for the Tri Ratuś and for himself, and makes the aspirant offer pūjā to all four; when he obliterates the whole and says, ‘You have abandoned the Bhikshu Chārya and adopted the Mahā Yān Chārya; attend to the obligations to the latter, as just explained to you.’

The badges of monachism are then taken from the aspirant by the Guru, who gives him the Pancha Rakshā as before related, and then sends him to make the Chakra pūjā, which done, he causes him to perform the Guru Mandal pūjā, and then to sprinkle rice on the Deities. Then the Guru Mandal is erased, the aspirant makes an offering to the Guru, and the Guru gives him his blessing. The Guru then sends the aspirant to throw into the river the hair shaven from his head and on his return makes the Agam pūjā and Kumārī pūjā; when the whole is concluded by a feast.*

P.S.—Since the above papers were written, I have perused Mr. Turnour’s essays in the Bengal Asiatic Journal, and I fully admit (as anticipated by Mr. Prinsep) that the honours of Ceylonese literature and of the Pāli language are no longer disputable. I may add in regard to the latter point, that recent research has established the following very curious fact, viz., that the Sanskrit Buddhist works discovered by me in Nepal, are now found to be copiously interspersed with passages in various Prākrits—Pali among the rest—pretty much in the manner of the Hindoo Drama wherein this mixture of less finished dialects with the Sanskrit is of common occurrence.

* In the above Sravakacharya and Bhikshucharya are made equivalents, equally representing the strict rule opposed to Mahā Yān charya as the designation of the lax rule or that of the non-monastic many. This sense of the latter term is contrary to some authorities. The Triyāna are elsewhere specified as Pratyeka, Sravaka and Mahā, but in another sense a scripture of the highest class or that treat of transcendental topics is called a Mahāyāna Sūtra.
<table>
<thead>
<tr>
<th>Néouâr</th>
<th>Gàrung</th>
<th>Magar</th>
<th>Sànuâr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nâng mro</td>
<td>Namaï</td>
<td>Phasê</td>
<td></td>
</tr>
<tr>
<td>Chiji</td>
<td>Mhâr</td>
<td>Râsgmachî</td>
<td></td>
</tr>
<tr>
<td>Myâ</td>
<td>Myâ</td>
<td>Bî</td>
<td></td>
</tr>
<tr>
<td>Némyâ</td>
<td>Gwâjá, g-wâ-já</td>
<td>Chhâvâ. Chî-vá</td>
<td></td>
</tr>
<tr>
<td>Koh</td>
<td>Hûd</td>
<td>U'si</td>
<td></td>
</tr>
<tr>
<td>Plava</td>
<td>Dûngâ</td>
<td>Dûngâ</td>
<td></td>
</tr>
<tr>
<td>Nûgrî</td>
<td>Miyá roa</td>
<td>Rîshê</td>
<td></td>
</tr>
<tr>
<td>Mål</td>
<td>Bhûnsa, H.</td>
<td>Mêsyê, S.</td>
<td></td>
</tr>
<tr>
<td>Nawâr</td>
<td>Sûthû</td>
<td>Bêrmo</td>
<td></td>
</tr>
<tr>
<td>Myau</td>
<td>Nhet</td>
<td>Bi</td>
<td></td>
</tr>
<tr>
<td>Mlûngyâ</td>
<td>Kâg</td>
<td>Khañ</td>
<td></td>
</tr>
<tr>
<td>Dînî</td>
<td>Na meîr</td>
<td>Nûthî</td>
<td></td>
</tr>
<tr>
<td>Nâgrî</td>
<td>Chhâvû</td>
<td>Kûchûng</td>
<td></td>
</tr>
<tr>
<td>Nûbê</td>
<td>Nû kyoï</td>
<td>Nôpê</td>
<td></td>
</tr>
<tr>
<td>Sa. Nhê</td>
<td>Jhá</td>
<td>Kha pi</td>
<td></td>
</tr>
</tbody>
</table>

**Van. Khê-n**

<table>
<thead>
<tr>
<th>Phûng</th>
<th>Rû</th>
<th>Bû-phû, bû =</th>
</tr>
</thead>
<tbody>
<tr>
<td>Háthi</td>
<td>Háthi</td>
<td>So dê :</td>
</tr>
<tr>
<td>Mî</td>
<td>Mêk</td>
<td>Mî chî</td>
</tr>
<tr>
<td>Abo</td>
<td>Bi</td>
<td>Bîrê</td>
</tr>
<tr>
<td>Nhû</td>
<td>Mhê</td>
<td>Mî</td>
</tr>
<tr>
<td>Na-ka</td>
<td>Gwá</td>
<td>Pâ a</td>
</tr>
<tr>
<td>Tângnî</td>
<td>Dîshê</td>
<td>Gûn</td>
</tr>
<tr>
<td>Tål</td>
<td>Sûr</td>
<td>Phû</td>
</tr>
<tr>
<td>Bhîlê</td>
<td>Mhîl</td>
<td>Khûsî</td>
</tr>
<tr>
<td>Rî</td>
<td>Rhá</td>
<td>Chhùsî</td>
</tr>
<tr>
<td>Moî</td>
<td>Chhâm</td>
<td>Chhùsî</td>
</tr>
<tr>
<td>Laptá</td>
<td>Hût piak</td>
<td>Tabl. Gwî</td>
</tr>
<tr>
<td>Krá</td>
<td>Mî tûlû</td>
<td>Pîyâ</td>
</tr>
<tr>
<td>Tilî</td>
<td>Wûk</td>
<td>Pô</td>
</tr>
<tr>
<td>Rû</td>
<td>Mîrhnêng</td>
<td>Gûrû</td>
</tr>
<tr>
<td>Ghora, H.</td>
<td>Ghora</td>
<td>Ghora</td>
</tr>
<tr>
<td>Thùp</td>
<td>Yâm</td>
<td>Khi</td>
</tr>
<tr>
<td>Pái</td>
<td>Phûlâm</td>
<td>Wâ sêlî</td>
</tr>
<tr>
<td>Lau</td>
<td>Lhû</td>
<td>Sêphû</td>
</tr>
<tr>
<td>Biha</td>
<td>Tyûwôngcho. Ráp</td>
<td>Hûng</td>
</tr>
<tr>
<td>Mî</td>
<td>Bhûrmi</td>
<td>Mûrû</td>
</tr>
<tr>
<td>Timyû</td>
<td>Bûner, P.</td>
<td>Morô</td>
</tr>
<tr>
<td>Lau-ôre</td>
<td>Guû hût</td>
<td>Lâ to sf</td>
</tr>
</tbody>
</table>

*from the root *lô*, with *pê*, the mark of flat things, and *â* the sign of more apparent than real, since the use or neglect of these additions is "foot" has the *pê* sign only; *lêd* 'hands and feet' has neither.*

*Keî in Chinese,*

*like *Môro, mankind; and so *Yammi* in Limbu, whilst *Yam bi cha,* that tongue.

*et stem, identical with the *Pho* mo and *Po* mo elsewhere occurring.*

*Ôpa, Una, Ukhura, Uhekra, etc., of the sequel.*

*Hindî.—P., Parbata—S., Sanskrit.*
<table>
<thead>
<tr>
<th>Népali</th>
<th>Gárunge</th>
<th>Magyar.</th>
<th>Sémudr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iwai</td>
<td>Kala</td>
<td>Mochá</td>
<td>Málji</td>
</tr>
<tr>
<td>h déi</td>
<td>Khwóng</td>
<td>Kholá</td>
<td>Li ká</td>
</tr>
<tr>
<td>dón</td>
<td>Kyán</td>
<td>Lam</td>
<td>Lá</td>
</tr>
<tr>
<td>hhí</td>
<td>Cháchá</td>
<td>Chá</td>
<td>Yá eáf</td>
</tr>
<tr>
<td>yd. Chégú</td>
<td>Dhi</td>
<td>Chála</td>
<td>Káyul</td>
</tr>
<tr>
<td>arag</td>
<td>Téndí. Món</td>
<td>Sarang</td>
<td>Sarángi</td>
</tr>
<tr>
<td>f</td>
<td>Bhúgúri</td>
<td>Bél</td>
<td>Bú sa</td>
</tr>
<tr>
<td>agá</td>
<td>Pirá. Tárgya</td>
<td>Bhága</td>
<td>Sorú</td>
</tr>
<tr>
<td>ohong</td>
<td>Yúma</td>
<td>Lhúng</td>
<td>Phánglúd</td>
</tr>
<tr>
<td>níó</td>
<td>Dhini</td>
<td>Nám khán</td>
<td>Ná</td>
</tr>
<tr>
<td>há</td>
<td>Chét</td>
<td>Ránghó</td>
<td>Grúpea</td>
</tr>
<tr>
<td>huq</td>
<td>Sak</td>
<td>Syák</td>
<td>Kryd</td>
</tr>
<tr>
<td>ñá</td>
<td>Sinó</td>
<td>Sing</td>
<td>Kawa</td>
</tr>
<tr>
<td>s. Gang, S.</td>
<td>Náa</td>
<td>Lánghá</td>
<td>Gáán</td>
</tr>
<tr>
<td>au. Lá</td>
<td>Kyí</td>
<td>Dí</td>
<td>Pánkhí</td>
</tr>
<tr>
<td>rí</td>
<td>Táya</td>
<td>Námi</td>
<td>Róvé</td>
</tr>
<tr>
<td>níó</td>
<td>Gñá</td>
<td>Gñá</td>
<td>Go</td>
</tr>
<tr>
<td>p’o</td>
<td>Kén</td>
<td>Náng</td>
<td>Gái</td>
</tr>
<tr>
<td>hha</td>
<td>Thí</td>
<td>Hóe</td>
<td>Hári</td>
</tr>
<tr>
<td>hha ping</td>
<td>Gni mo</td>
<td>Kan kúrik</td>
<td>Gov kí</td>
</tr>
<tr>
<td>‘pó ping</td>
<td>Kén mo</td>
<td>Náng kúrik</td>
<td>Gáv kí</td>
</tr>
<tr>
<td>a gó mha</td>
<td>Thí mo</td>
<td>Hóe kúrik</td>
<td>Hárev kí</td>
</tr>
<tr>
<td>bhang gú</td>
<td>Gñá lá</td>
<td>Gnou</td>
<td>A ké</td>
</tr>
<tr>
<td>ñaya gú</td>
<td>Kén lá</td>
<td>Náwo</td>
<td>Iké</td>
</tr>
<tr>
<td>ping gú</td>
<td>Thí lá</td>
<td>Ho chíd</td>
<td>Hárev ké, Mér ké</td>
</tr>
<tr>
<td>phaping gú</td>
<td>Gni molo</td>
<td>Kan kúrikúm</td>
<td>Go ain kó</td>
</tr>
<tr>
<td>aping gú</td>
<td>Keme molo</td>
<td>Nang kúrikúm</td>
<td>Gai ain kó. In kó</td>
</tr>
<tr>
<td>nhí</td>
<td>Thaméla</td>
<td>A kúrikúm</td>
<td>Hari ain kó</td>
</tr>
<tr>
<td>nhí</td>
<td>Kri kúl</td>
<td>Káú</td>
<td>Káú</td>
</tr>
<tr>
<td>hú</td>
<td>Ní, Limbu, S.</td>
<td>caret</td>
<td>Cha né</td>
</tr>
<tr>
<td>ñú</td>
<td>Ní, Plé</td>
<td>caret</td>
<td>Yoh</td>
</tr>
<tr>
<td>hú</td>
<td>Kúh</td>
<td>caret</td>
<td>Ghú</td>
</tr>
<tr>
<td>hú</td>
<td>Chúh</td>
<td>caret</td>
<td>Sa ahi</td>
</tr>
<tr>
<td>ng sánho. Né</td>
<td>Kúti</td>
<td>caret</td>
<td>Kakhá</td>
</tr>
<tr>
<td>sañho. Súyé</td>
<td>caret</td>
<td>Sát sán</td>
<td></td>
</tr>
<tr>
<td>sánho. Gniíya</td>
<td>caret</td>
<td>Kakh néshí</td>
<td></td>
</tr>
<tr>
<td>in sánho. Sat chi</td>
<td>caret</td>
<td>Kakh niahimészika</td>
<td></td>
</tr>
<tr>
<td>hú</td>
<td>Yé, Lá, Bó</td>
<td>Yé, Wó</td>
<td>Kwé, Kyé</td>
</tr>
<tr>
<td>hú</td>
<td>D’é</td>
<td>Ki</td>
<td>Kali</td>
</tr>
<tr>
<td>lú</td>
<td>Wájé</td>
<td>In</td>
<td>Gñá</td>
</tr>
<tr>
<td>Yákéng</td>
<td>Jí</td>
<td>Ye, P</td>
<td>Mi</td>
</tr>
</tbody>
</table>

2. Its meaning is place, locus. Nas alone is instrumental. 
- though usual, so also the Kiranti final ge.
- just as Gárunge gé for four gur from pité 40. Song equals Gáp.
- cms, myself; kép, my gooda. Híma and gé are affixed to every quali-
- fying abl. alike: also yáte, which likewise expresses with, or seth of

- to arrive at, second a prep, to (going to.)
<table>
<thead>
<tr>
<th>H. HODGSON, Esq.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a.</strong> Gvndi.</td>
</tr>
<tr>
<td><strong>Gydrông.</strong></td>
</tr>
<tr>
<td>Horpa.</td>
</tr>
<tr>
<td>Tulpa.</td>
</tr>
<tr>
<td>Mônya.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>hri-thou</th>
<th>rd-gú</th>
<th>'gámê</th>
<th>gôrr</th>
<th>wobi</th>
</tr>
</thead>
<tbody>
<tr>
<td>ré-thou</td>
<td>ki-ni</td>
<td>gna</td>
<td>plâng</td>
<td>nîy-mâ</td>
</tr>
<tr>
<td>khû</td>
<td>kông</td>
<td>stâk</td>
<td>tê ô</td>
<td>lêphô</td>
</tr>
<tr>
<td>yâ</td>
<td>ti-swê</td>
<td>syô</td>
<td>tôâ</td>
<td>phwiô</td>
</tr>
<tr>
<td>hru</td>
<td>ahi</td>
<td>nah</td>
<td>thông-dông-sâpoâ</td>
<td></td>
</tr>
<tr>
<td>twäng-cha</td>
<td>wo-khyû, tôk-rha</td>
<td>yû</td>
<td>hû</td>
<td></td>
</tr>
<tr>
<td>u'sâ ahtî</td>
<td>tichô</td>
<td>hûphê</td>
<td>chhi</td>
<td>Dyâh</td>
</tr>
<tr>
<td>yângûsû</td>
<td>sê-ten</td>
<td>kô</td>
<td>khô</td>
<td>agwâh</td>
</tr>
<tr>
<td>sâbî gnô</td>
<td>gná, gná-yô</td>
<td>'ja, 'jya</td>
<td>pê, bê</td>
<td>thî</td>
</tr>
<tr>
<td>ni</td>
<td>sân-rê</td>
<td>ni</td>
<td>'î</td>
<td>nô</td>
</tr>
<tr>
<td>thâ</td>
<td>gná-ôse, watû</td>
<td>'ja, 'jya</td>
<td>pê, bê</td>
<td>thî</td>
</tr>
<tr>
<td>gnómê</td>
<td>yô</td>
<td>gnânî, gnàliggi</td>
<td>gnà-râ</td>
<td>plural, âdûr</td>
</tr>
<tr>
<td>nimé</td>
<td>nîô</td>
<td>nini, ni-riggî</td>
<td>i-rê</td>
<td>ândûr</td>
</tr>
<tr>
<td>thâmé</td>
<td>yà pos [prefix]</td>
<td>jini, ji-riggî</td>
<td>pe-râ</td>
<td>thôdûr</td>
</tr>
<tr>
<td>gnôti</td>
<td>gnà, conjunct</td>
<td>gnà-sê (elonga)</td>
<td>gnêki</td>
<td>af</td>
</tr>
<tr>
<td>niti</td>
<td>nî, the same</td>
<td>nîf [tion]</td>
<td>fêki</td>
<td>nôe</td>
</tr>
<tr>
<td>thâtî</td>
<td>wê, the same</td>
<td>'jyà a</td>
<td>pêkû</td>
<td>thô</td>
</tr>
<tr>
<td>gnômotî</td>
<td>caret</td>
<td>gnàràgiga</td>
<td>gnà-râ kí</td>
<td>èdûrf</td>
</tr>
<tr>
<td>nimêti</td>
<td>caret</td>
<td>nil rigga</td>
<td>fêkî</td>
<td>nöndûr</td>
</tr>
<tr>
<td>thâmêti</td>
<td>caret</td>
<td>'jaa rigga</td>
<td>pêrâkû</td>
<td>thidûr</td>
</tr>
<tr>
<td>s-kû, f</td>
<td>kâtî</td>
<td>râ</td>
<td>thi</td>
<td>tôôf</td>
</tr>
<tr>
<td>liâng-ku, ar' ka-nêe*</td>
<td>gnô</td>
<td>nai</td>
<td>nabi</td>
<td></td>
</tr>
<tr>
<td>sang-ku, san ka-sâm</td>
<td>sô</td>
<td>sâm</td>
<td>sibî</td>
<td></td>
</tr>
<tr>
<td>si-ku, aî</td>
<td>ka-dî</td>
<td>hla</td>
<td>plî</td>
<td>rébi</td>
</tr>
<tr>
<td>wiì-ku, wu</td>
<td>kung-gnô</td>
<td>gwê</td>
<td>liângô</td>
<td>gnûhi</td>
</tr>
<tr>
<td>lekô, leu</td>
<td>kû-tôk</td>
<td>chhô</td>
<td>krô</td>
<td>trôh</td>
</tr>
<tr>
<td>chtîhu, chhî</td>
<td>kûb-nêe</td>
<td>znê</td>
<td>nis</td>
<td>akwîbô</td>
</tr>
<tr>
<td>pé-ku, pê</td>
<td>or-yôt</td>
<td>rhiêê</td>
<td>gyot</td>
<td>sibî</td>
</tr>
<tr>
<td>chyû-ku, kûng-gû</td>
<td>gô</td>
<td>dûðû</td>
<td>gûbî</td>
<td></td>
</tr>
<tr>
<td>lah'âsa [chîyû sbî]</td>
<td>sqê</td>
<td>chichô</td>
<td>chîchibî</td>
<td></td>
</tr>
<tr>
<td>air'âsa</td>
<td>kinis-eî</td>
<td>naakâ</td>
<td>khalî</td>
<td>nàchâbî</td>
</tr>
<tr>
<td>san-âsa</td>
<td>ka-sam-eî</td>
<td>sâukâ</td>
<td>khalî</td>
<td>nàchâbî</td>
</tr>
<tr>
<td>syû-âsa</td>
<td>kapsî-sê</td>
<td>leêka</td>
<td>caret</td>
<td>sà châ bi</td>
</tr>
<tr>
<td>wiî-âsa</td>
<td>kûngûdîît†</td>
<td>gwêskà</td>
<td>caret</td>
<td>sànîmû</td>
</tr>
<tr>
<td>fpô</td>
<td>paryô</td>
<td>'hyâ</td>
<td>caret</td>
<td>têjë</td>
</tr>
<tr>
<td>ti</td>
<td>caret. §§ um</td>
<td>î danq?</td>
<td>kú</td>
<td>í</td>
</tr>
<tr>
<td>khá</td>
<td>caret</td>
<td>gi? da</td>
<td>syê, là</td>
<td>wê</td>
</tr>
<tr>
<td>li</td>
<td>shîs. a</td>
<td>lhànô, gha</td>
<td>fi</td>
<td>thê, ni</td>
</tr>
<tr>
<td>lê</td>
<td>gi</td>
<td>khá, wê</td>
<td>gi</td>
<td>lê</td>
</tr>
<tr>
<td>khâng chhem krî, khyôsa</td>
<td>âchê</td>
<td>nêm lâng</td>
<td>phêê</td>
<td></td>
</tr>
<tr>
<td>mômé, moyû kamef</td>
<td>mâchê</td>
<td>na nôna</td>
<td>mákî</td>
<td></td>
</tr>
<tr>
<td>lê</td>
<td>[mâ a, pri]</td>
<td>nô, no, chà</td>
<td>nà khû, chôô</td>
<td></td>
</tr>
<tr>
<td>tô</td>
<td>chhá yê</td>
<td>pûs-dûi</td>
<td>bâdeu</td>
<td>dà</td>
</tr>
<tr>
<td>lô khün</td>
<td>fin-dûf</td>
<td>[tra tabdeu]</td>
<td>tênê</td>
<td>thîlô</td>
</tr>
<tr>
<td>hô naï khûn</td>
<td>thia-dû, kwûs-sa deu</td>
<td>kâshû</td>
<td>nînkhé</td>
<td></td>
</tr>
<tr>
<td>chin thê</td>
<td>pish-ni</td>
<td>pas-ni</td>
<td>taehî</td>
<td>tânûr</td>
</tr>
<tr>
<td>min thê</td>
<td>sô-nîyî</td>
<td>khasî</td>
<td>nogor</td>
<td>sàrbô</td>
</tr>
<tr>
<td>hou thê</td>
<td>pûsiûr</td>
<td>naga, 'weenô</td>
<td>dâm</td>
<td>yahô</td>
</tr>
<tr>
<td>thi mês</td>
<td>chîhûd</td>
<td>údô</td>
<td>wo cho</td>
<td>khôpô</td>
</tr>
<tr>
<td>lô mé</td>
<td>hadad</td>
<td>oûthô</td>
<td>wo too</td>
<td>thôngû, kwâ-</td>
</tr>
<tr>
<td>ar lô li</td>
<td>katô</td>
<td>lôrô</td>
<td>gê, gâhê</td>
<td>khâdô [nait</td>
</tr>
<tr>
<td>syûng thô</td>
<td>tûkyôê</td>
<td>chhô</td>
<td>gôÔng</td>
<td>chô</td>
</tr>
</tbody>
</table>

*Merlars are liable to variation, as tîrmî-tärgê, one man; tîrmî-tâge, two men, unchanged.

**A nasal or other euphonic appendage, ku-ng, ku-sh, is servile. It is an adjunct of nouns, verbs, etc., and it interchanges with ta. Some-ô, a father, with ka-pê, Kassoia, and Ta-gappenn, Tamil, etc. **

**Rule; but tâm has been obtained as an anomalous exception of very rare, the Lâma's horse.**
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>không-di</td>
<td>kaver' ni</td>
<td>gingi</td>
<td>leu</td>
<td>dani</td>
</tr>
<tr>
<td>bō</td>
<td>karmyāk</td>
<td>jhāngū</td>
<td>chānghū</td>
<td>chuśindo</td>
</tr>
<tr>
<td>thang-ti</td>
<td>karsī</td>
<td>kachi</td>
<td>chāngbō</td>
<td>sāshāh</td>
</tr>
<tr>
<td>thong-ti</td>
<td>kachan'</td>
<td>kalgō</td>
<td>thōngpō</td>
<td>drīdā</td>
</tr>
<tr>
<td>r</td>
<td>karsī</td>
<td>gakh'yō</td>
<td>zūṛging</td>
<td>hra hra</td>
</tr>
<tr>
<td>tō-ti</td>
<td>kachin'</td>
<td>gādā</td>
<td>zīg thung</td>
<td>drīdā</td>
</tr>
<tr>
<td>ayō-ti</td>
<td>kachihā'</td>
<td>kannma</td>
<td>chūṃbo. prū yū</td>
<td></td>
</tr>
<tr>
<td>tā-ti</td>
<td>kahtī'</td>
<td>kannthū</td>
<td>thēnbo</td>
<td>kah kah</td>
</tr>
<tr>
<td>eng-di, yāng kālālar††</td>
<td>lōlō</td>
<td>bhiri</td>
<td>wād wād</td>
<td></td>
</tr>
<tr>
<td>pāng-di [-di zhīndo</td>
<td>sīr zhi</td>
<td>tūp-zūl</td>
<td>drāzo</td>
<td></td>
</tr>
<tr>
<td>vē thē hou-ti (good) kwipan</td>
<td>kalbo. galvo</td>
<td>gyāk pa</td>
<td>dachūh</td>
<td></td>
</tr>
<tr>
<td>nā o</td>
<td>ayyon-ti (small)kwichem</td>
<td>chū chū</td>
<td>kāmūrbhāng</td>
<td>kārī</td>
</tr>
<tr>
<td>a</td>
<td>sphvā leu</td>
<td>nethā</td>
<td>&quot;</td>
<td>nā brīda</td>
</tr>
<tr>
<td>khāng-ti</td>
<td>tnskm'</td>
<td>nasyā</td>
<td>&quot;</td>
<td>depēyā</td>
</tr>
<tr>
<td>o</td>
<td>o-ti, wō-ti</td>
<td>nāuṃgūn</td>
<td>&quot;</td>
<td>vīongnē</td>
</tr>
<tr>
<td>thēy, khyō</td>
<td>ta-zō</td>
<td>nangī</td>
<td>zō</td>
<td>grājēu</td>
</tr>
<tr>
<td>khwā</td>
<td>ta-mot</td>
<td>watḥī</td>
<td>thōng</td>
<td>grachhāb</td>
</tr>
<tr>
<td>thā</td>
<td>swikyōr</td>
<td>gurz'yūn</td>
<td>nyet</td>
<td>khāīyāh</td>
</tr>
<tr>
<td>khilō</td>
<td>tar-was</td>
<td>taryēn</td>
<td>lāng (get up)</td>
<td>doungwād</td>
</tr>
<tr>
<td>nyō</td>
<td>ka-nārē</td>
<td>khā khē</td>
<td>gyē</td>
<td>nārīr</td>
</tr>
<tr>
<td>shihrin</td>
<td>da-ka-krū</td>
<td>nakabrā</td>
<td>gnu</td>
<td>dangwād</td>
</tr>
<tr>
<td>a hōp- quāpoto</td>
<td>nāk-chūn</td>
<td>yā-gūzī</td>
<td>thōmā</td>
<td>thadhāyād</td>
</tr>
<tr>
<td>[chhi caret</td>
<td>ta-chhen</td>
<td>nap-shēh, tayin</td>
<td>syāt</td>
<td>thahdyu</td>
</tr>
<tr>
<td>̀</td>
<td>ka-pūn, papānn]</td>
<td>kwi-lhen</td>
<td>syō</td>
<td>lemo</td>
</tr>
<tr>
<td>††</td>
<td>chhi</td>
<td>yeyan, da-chin</td>
<td>gai</td>
<td>yū</td>
</tr>
<tr>
<td>chhilō</td>
<td>tar-yūp ya-chin</td>
<td>zūṛyēn</td>
<td>lang</td>
<td>khanjēh</td>
</tr>
<tr>
<td>chō</td>
<td>nā-nen</td>
<td>ūnzun, wanzūn</td>
<td>zūk</td>
<td>najēu</td>
</tr>
<tr>
<td>yābo chū. chhi</td>
<td>ye-yen, ya-chin</td>
<td>tashin</td>
<td>gai</td>
<td>yū</td>
</tr>
<tr>
<td>tāng thewō</td>
<td>danar-gyūk</td>
<td>tamgyō</td>
<td>pehet</td>
<td>tachimoyūd</td>
</tr>
<tr>
<td>sak</td>
<td>davo (cuivis)</td>
<td>tū-khyō (cuivis)</td>
<td>bē. bin</td>
<td>wa-khi. ta-</td>
</tr>
<tr>
<td>ka</td>
<td>tā-tūp</td>
<td>nazbi</td>
<td>dūṅgē</td>
<td>dangō [khi</td>
</tr>
<tr>
<td>sā</td>
<td>nā-sē</td>
<td>tashē</td>
<td>sōtā</td>
<td>na-sya</td>
</tr>
<tr>
<td>tāhirā la-le</td>
<td>ko-pet</td>
<td>wū-khyō</td>
<td>rotā</td>
<td>trūhē</td>
</tr>
<tr>
<td>chhi la-chhō</td>
<td>di-chāng</td>
<td>wūm-bē</td>
<td>khor</td>
<td>tūyū</td>
</tr>
<tr>
<td>māyū</td>
<td>ta-yok</td>
<td>ran-g-kē. khāzī</td>
<td>longnāa</td>
<td>da-chī</td>
</tr>
<tr>
<td>caret</td>
<td>ma-tok</td>
<td>rāle</td>
<td>nīna</td>
<td>wūcī</td>
</tr>
<tr>
<td>thēyên</td>
<td>kar-nyou</td>
<td>wu mīn</td>
<td>nyan</td>
<td>khasbē nf</td>
</tr>
<tr>
<td>a</td>
<td>syā</td>
<td>ti-sen</td>
<td>sam techu</td>
<td>sām</td>
</tr>
<tr>
<td>shrō</td>
<td>ta-chhen</td>
<td>ta-yin. nap-shē</td>
<td>sayt</td>
<td>thāi-dūy</td>
</tr>
</tbody>
</table>

*fix ta vel da is usually added. But ka is also used with verbs, e.g., dong = it is, nari and Tibetan du-g) is ka-m-dong in Gyārung. according to that alliterative principle which prevails so greatly, though irregularly.*

**J sense.** *Give to me: take from me.* **Bin, Lāng, a general sense.** One solicits; the
<table>
<thead>
<tr>
<th>Néwdr.</th>
<th>Gérung.</th>
<th>Magar.</th>
<th>Sénwé</th>
</tr>
</thead>
<tbody>
<tr>
<td>Madaya käng</td>
<td>Ar esyá</td>
<td>Mámúlé</td>
<td>Mábáthú</td>
</tr>
<tr>
<td>E'. Té</td>
<td>Rí</td>
<td>Ýang. Ang</td>
<td>Mí</td>
</tr>
<tr>
<td>A'</td>
<td>Tasse</td>
<td>Chamlán</td>
<td>Ichi</td>
</tr>
<tr>
<td>Wala</td>
<td>Chok lènê</td>
<td>Arnan</td>
<td>Ménà</td>
</tr>
<tr>
<td>Gola</td>
<td>Khá mo</td>
<td>Syen</td>
<td>Génà</td>
</tr>
<tr>
<td>Thawon</td>
<td>Tín</td>
<td>Chini</td>
<td>Múŋ látí</td>
</tr>
<tr>
<td>Ka nhai</td>
<td>Nà́'á gá</td>
<td>Pùyúŋúra</td>
<td>Díí</td>
</tr>
<tr>
<td>Mhigo</td>
<td>Téla</td>
<td>Táłyëngmi</td>
<td>Síntí</td>
</tr>
<tr>
<td>Thùkë</td>
<td>Chùrë</td>
<td>Êk</td>
<td>Wethà</td>
</tr>
<tr>
<td>Úkë</td>
<td>Kyùrï</td>
<td>Alak</td>
<td>Yéù</td>
</tr>
<tr>
<td>Gikë</td>
<td>Khanfrë</td>
<td>Kúlak</td>
<td>Dòtha. Gótha</td>
</tr>
<tr>
<td>Cho</td>
<td>Tùgri</td>
<td>Dñënam</td>
<td>Ri</td>
</tr>
<tr>
<td>Ko</td>
<td>Mùgri</td>
<td>Mñaka</td>
<td>Yù</td>
</tr>
<tr>
<td>Dathë</td>
<td>Khùnòri</td>
<td>Mì khìăng</td>
<td>Dató</td>
</tr>
<tr>
<td>Ñòo</td>
<td>Hù jëri</td>
<td>Båhar</td>
<td>Båhùr</td>
</tr>
<tr>
<td>Kàñ</td>
<td>Nñòrì</td>
<td>Bhìtar</td>
<td>A'gá</td>
</tr>
<tr>
<td>Tëppà</td>
<td>Rhëmô</td>
<td>Lòs</td>
<td>Gñàñí</td>
</tr>
<tr>
<td>Sëttì</td>
<td>Këpô</td>
<td>Khwëp</td>
<td>Nëthà</td>
</tr>
<tr>
<td>Bëssì</td>
<td>Chëgì dè</td>
<td>ChëkJà</td>
<td>Ëkà</td>
</tr>
<tr>
<td>Apà</td>
<td>Lhëyô</td>
<td>Dhër</td>
<td>I&amp;t kà</td>
</tr>
<tr>
<td>Gùlì</td>
<td>Kà të</td>
<td>Kùdët</td>
<td>Gëßí</td>
</tr>
<tr>
<td>Gañhëng</td>
<td>Khàga liôñ</td>
<td>Kùdëng chà</td>
<td>Dòðív</td>
</tr>
<tr>
<td>Añthing</td>
<td>Hùchùga liôñ</td>
<td>Adàng chà</td>
<td>Mòðív</td>
</tr>
<tr>
<td>Thà thing</td>
<td>Chùga liôñ</td>
<td>I'dàng chà</td>
<td>Akko</td>
</tr>
<tr>
<td>Gañhë, Gë</td>
<td>Khàga liôñ</td>
<td>Kùdëng chà</td>
<td>Dòðív</td>
</tr>
<tr>
<td>Chhà</td>
<td>Ta</td>
<td>Kùttà</td>
<td>Mara</td>
</tr>
<tr>
<td>Khan. Da Ang.</td>
<td>Wöí</td>
<td>Hô. Le Au</td>
<td>Mai</td>
</tr>
<tr>
<td>Mr. Kùh. {</td>
<td>A'ní</td>
<td>Mâlò</td>
<td>Mâ mai</td>
</tr>
<tr>
<td>Mn. Ahàng }</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Matè</td>
<td>A', Wachë</td>
<td>Må</td>
<td>Mò</td>
</tr>
<tr>
<td>Ñàg. Nang</td>
<td>Yë</td>
<td>Ra</td>
<td>Nà</td>
</tr>
<tr>
<td>Là</td>
<td>Bànì. Gì</td>
<td>Kì</td>
<td>Dë</td>
</tr>
<tr>
<td>Thò</td>
<td>Chùn yo</td>
<td>Ise nà</td>
<td>Òkëwë</td>
</tr>
<tr>
<td>Ñ?</td>
<td>Hô chùn yo</td>
<td>O'së nà</td>
<td>Makëwë</td>
</tr>
<tr>
<td>Gì. Sù?</td>
<td>Sù</td>
<td>Kës?</td>
<td>Tëkwë</td>
</tr>
<tr>
<td>Wo</td>
<td>Thì</td>
<td>Hôs</td>
<td>Më kwës</td>
</tr>
<tr>
<td>Sí</td>
<td>Sù</td>
<td>Kës</td>
<td>Të kwe</td>
</tr>
<tr>
<td>Chhù</td>
<td>Tà</td>
<td>Hì</td>
<td>Mâro</td>
</tr>
<tr>
<td>Sù</td>
<td>Sù</td>
<td>Sùra. Hìra</td>
<td>Sâkà</td>
</tr>
<tr>
<td>Chhùng</td>
<td>Tàyäng</td>
<td>Hîhì kò</td>
<td>Mârkà</td>
</tr>
<tr>
<td>Sùnìg</td>
<td>Sùyàng</td>
<td>Sûr</td>
<td>Sâkà</td>
</tr>
<tr>
<td>Nà</td>
<td>Chàd</td>
<td>Jèd</td>
<td>Jàu</td>
</tr>
<tr>
<td>Tëñ</td>
<td>Thì nû</td>
<td>Gàu</td>
<td>Tâng</td>
</tr>
<tr>
<td>Dryì</td>
<td>Rod</td>
<td>Mìa</td>
<td>I'p</td>
</tr>
<tr>
<td>Don</td>
<td>Rêl</td>
<td>Swòñ</td>
<td>Bôk</td>
</tr>
<tr>
<td>Nhyì</td>
<td>Nyèd</td>
<td>Ret</td>
<td>Ri²</td>
</tr>
</tbody>
</table>

Complex tongues, helps to difference the transitive and reflex forms, as in
weep and give.
y often expresses in cu in declension. Also the abl. and instr. sign kës,

di correlative terms, pronominal, and others, it may be doubted if there
is equivalent to English "and." The correlative pronoun and the con-

}
A nasal m, ng, or is the simple radical mere-
conjugational sign. If we turn to the
semblance of the words becomes often all-
ting root, Pha, Pa; Locke, Léya—root,
ultimative is partitive. Thus Prang, 'give
PART II.

ON THE PHYSICAL GEOGRAPHY OF THE HIMALAYA.*

A CLEAR outline, illustrated by a sketch map of the principal natural divisions of the Himalayan, is, and long has been, a great desideratum; for physical geography, which derives so many aids from the other physical sciences, is expected in return to render back to them, without unnecessary delay, a distinct demarcation of its own provinces, since by that alone researchers in so many departments are enabled to refer the respective phenomena they are conversant with to their appropriate local habitations, in a manner that shall be readily intelligible causally significant, and wholly independent of the shifting and meaningless arrangements of politics.

It is true, that our knowledge of the large portion of these mountains, lying beyond the limits of British dominion, is far from complete. But is our knowledge any thing like complete of our own hill-possessions? and, if we are to wait until Nepál, Síkim, and Bhútán become thoroughly accessible to science, must we not indefinitely postpone a work, the most material part of which may (I think) be performed with such information as we now possess?

The details of geography, ordinarily so called, are wearisomely insignificant; but the grand features of physical geography have a pregnant value, as being alike suggestive of new knowledge, and facilitative of the orderly distribution and ready retention of old. I purpose to adhere to those grand features, and to exhibit them in that causal connexion which gives them their high interest with men of cultivated minds.

I had been for several years a traveller in the Himalaya, before I could get rid of that tyranny of the senses, which so strongly impresses almost all beholders of this stupendous scenery with the conviction that the mighty maze is quite without a plan. My first step towards freedom from this overpowering obtru-

*Extracted from the Selections from the Records of the Government of Bengal, No. xxi, Calcutta 1857. (Reprinted from the Jour. As. Soc. Bengal for 1849.)

§ Hima 'snow,' Alaya 'place of.' The compound is Himálaya, not Himalaya as usually pronounced. The synonyms Himácha and Himódya (whence the Classic Himodus) mean, respectively, 'snowy mountain' and 'place of appearance of snow (udaya).'
siveness of impressions of sense was obtained by steady attention to the fact, that the vast volume of the Himalayan waters flows more or less at right angles to the general direction of the Himalaya, but so that the numberless streams of the mountains are directed into a few grand rivers of the plains, either at or near the confines of the two regions. My next step was due to the singular significance of the topographic nomenclature of the Nepalese, whose "Sapt Gandaki" and "Sapt Kausika" rivetted my attention upon the peculiar aqueous system of the Himalayas, urging me thenceforward to discover, if possible, what cause operated this marked convergence of innumerable transverse parallel streams, so as to bring them into a limited series of distinct main rivers. My third and last step was achieved when I discovered that the transcendant elevation and forward position, at right angles to the line of ghats, of the great snowy peaks, presented that causal agency I was in search of; the remotest radiating points of the feeders of each great river being coincident with the successive loftiest masses belonging to the entire extent of the Himalaya. It was in Nepal that this solution of these problems occurred to me, and so uniformly did the numerous routes I possessed represent the points of extreme divergence of the great rivers by their feeders as syntopical with the highest peaks, that I should probably long ago have satisfied myself upon the subject, if my then correspondent, Captain Herbert, had not so decidedly insisted on the very opposite doctrine—to wit, that the great peaks intersect instead of bounding the principal alpine river basins.

Captain Herbert's extensive personal conversancy with the Western Himalaya, added to his high professional attainments, made me for a long time diffident of my own views. But the progress of events, and increasing knowledge of other parts of the chain, seeming to confirm the accuracy of those views, it occurred to me more carefully to investigate whether the facts and the reason of the case were not, upon the whole, demonstrative of the inaccuracy of that able and lamented officer's dogma. Doubtless the Western Himalaya presents appearances calculated to sustain Captain Herbert's opinion, whilst such persons only as are unaccustomed to deal with the classifications of science, will expect them to correspond point by point with those natural phenomena, which it is at least one chief merit of such arrangements, merely to enable us readily to grasp and retain. But that the entire body of facts now within our ken is upon the whole opposed to Captain H.'s doctrine; and that that doctrine suits ill with the recognized axioms of Geology and Geography, is, I think, certain; and I shall with diffidence now proceed to attempt the proof of it.

† See Journal Asiat. Soc. of Bengal, No. 198, for December 1848, p. 646 &c.

† This expression is used advisedly, for every pre-eminent elevation of the Himalaya is not so much a peak as a cluster of peaks springing from a huge sustaining and connected base. But observe, some of the peaks are not advanced before the ghāt-line, but thrown back behind it, as Chumalari and Devadhunga or Nyānām. These do not influence the aqueous system of the Indian slope of Himalaya; see on, to remark on Chumalari. This is a new inference from new facts in part.

‡ The Western Himalaya, as it approaches the Belur, is in many respects anomalous, owing, as I conceive, to the crossing of that meridional chain. The true and normal Himalaya is parallel or runs west and east.

† Journal No. 126, extra pp. 20 and 22.
A tyro in geology, I shall not dwell further on the theoretical side of the question than may be requisite to facilitate and complete the apprehension of my readers; but the facts, quoad Népâl at least, I trust, that my sketch map, rude as it is, and the following observations, may render sufficiently indisputable; it being always remembered that I deal with generals, not particulars, aiming to establish the general accuracy of my main proposition, viz., that the great peaks, bound instead of intersecting the alpine river basins, and that, in truth, the peaks by so bounding create the basins, whereas their intersection would destroy them.

The whole Himalaya extends from 78 deg. to 94 deg. of longitude, comprising the following peaks and basins:—peak of Jamnoutri (a), peak of Nanda-dâvi (A), peak of Dhoula-giri (B), peak of Gosain-thân (C), peak of Kang-chan (D), peak of Chumalhâri (E), peak of the Gemini (e)—which peaks include and constitute the following alpine river basins, viz., that of the Gangea, that of the Kamilli, that of the Gandak, that of the Cósé, that of the Tishta, that of the Mônas, and that of the Subhaneri (pars). The subjoined table exhibits the elevation and the position of those dominant peaks, with the authority for both.

<table>
<thead>
<tr>
<th>Peak</th>
<th>Elevation</th>
<th>Longitude</th>
<th>Latitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jamnoutri</td>
<td>25,609</td>
<td>30° 55</td>
<td>78° 12°</td>
</tr>
<tr>
<td>Nanda-dâvi</td>
<td>26,598</td>
<td>30° 23</td>
<td>78° 50</td>
</tr>
<tr>
<td>Dhoula-giri</td>
<td>27,600</td>
<td>30° 10</td>
<td>83°</td>
</tr>
<tr>
<td>Gosain-thân</td>
<td>24,700</td>
<td>20° 20</td>
<td>80°</td>
</tr>
<tr>
<td>Kang-chan</td>
<td>28,178</td>
<td>27° 42</td>
<td>83° 10</td>
</tr>
<tr>
<td>Chumalhâri</td>
<td>23,929</td>
<td>27° 52</td>
<td>80° 18</td>
</tr>
<tr>
<td>Gemini</td>
<td>21,600</td>
<td>27° 50</td>
<td>92° 50</td>
</tr>
</tbody>
</table>

The Himalaya proper is traced along the line of the ghâts or passes into Tibet; and the principal passes of Népâl and Sikim into Tibet, or Taklakhâr, Mustâng, Kérün, Kûti, Hátia, Wallûng, Lâchên.

Along the last low range of hills are the Mâris or Dhûnas within the range, and the position of the Bhâver and Tarai* without it.

Sâlyân-mâri, Gongtali-mâri, Chitwan-mâri, Makwâni-mâri, and Bijaypûr-mâri are so many Népâlese samples of those singular quasi valleys, termed Dhûnas to the westward.§

In the plateau of Tibet I have indicated the limits of the northern and southern divisions, and in the latter those of the three great Trans-Himâlayan provinces,*

* Tarai, tarei, or tareiani, equal to ‘lowlands,’ ‘swampy tract at the base of the hills,’ seems to be a genuinely Turanian word, and were the map of India carefully examined, many more such pre-Arian terms would probably be discovered, to prove the universal spread over the Continent of that earlier race, which is now chiefly confined to the Deccan. Tar in Tamil, Tal in Canarese, means ‘to be low,’ and the affixes si of Tar-si, and ni of Tareia-ni, are, the former, Tamilian, and the latter, very general, 49 or 40 being the genitival and inflexional sign of several Southern and Northern tongues of the Turanian group of languages. The ‘Thal’ of Ochtn is a term precisely equivalent to our Tarai, and is the merely aspirate form of Canarese Tal above cited. (Another etymology was proposed by Lassen’s Ind. Alt., i. 69.)

† See J.A.S. No. 125, p. 33, et seq., and p. 134.

or Gnâri, extending (from the Belûr) easterly to the Gângri boundary range of Lake Mapham; Utsâng, thence stretching to the Gakbo River beyond Lhasa; and Khâm, which reaches from the Gakbo River to the Yûnling, or limitaly range of China and Tibet.) Thus reverting to the regions south of the line of ghâts leading into Tibet, we have, clearly defined, the several natural provinces or divisions of the Himalaya, with their casual distribution, as follows, commencing from the westward—1st, the alpine basin of the Ganges, extended from the peak of Jamnoutri to the peak of Nanda-dévi (Juwar or Juwahir), or, in other words, from east long. 78° 12′ to 79° 50′; 2nd, the alpine basin of the Karnâli, reaching from the peak of Nanda-dévi to that of Dhoulâ-giri, or from 79° 60′ to 83°; 3rd, the alpine basin of the Gandak, stretching from the peak of Dhoulâ-giri to that of Gosain-thân, or from 83° to 86°; 4th, the alpine basin of the Gâsi, extending from the peak of Gosain-thân to that of Kangchan, or from 86° to 89° 10′; 5th, the alpine basin of the Tishta, reaching from the peak of Kangchan to that of Chumalhâri, or from 89° 10′ to 89° 50′; 6th, the alpine basin of the Mônas, stretching from the peak of Chumalhâri to that of Gemini, or from 89° 50′ to 92° 50′; and, lastly, the alpine basin of the Subhansari, of which the western limit is the Gemini, but the eastern peak is unascertained. It should be sought somewhere about 94° 50′, between which point and the extreme eastern limits of the Himalaya must be the basin of the Dihong. That the above distribution of the Himalaya into natural districts is, upon the whole, as consistent with the facts as it is eminently commodious and highly suggestive, I have no hesitation of asserting. Least, however, I should extend my present essay to undue limit or trench upon the province of Colonel Waugh and the other able professional men who are now engaged upon the western hills, I shall say nothing further of the alpine valley of the Ganges and those west of it, nor upon those lying east of Sûkîm.*

If my main assumption be valid, it will be easily worked out by abler hands and better furnished ones than mine: wherefore the following more detailed expositions will be chiefly confined to the three great central basins of the Karnâli, the Gandak, and the Gâsi. In the first of these basins we have (successively from west to east) the Sârju, the Gôri, the Kâli, the Swâti-ganga, the Karnâli proper, the Bhôrî, and the Jhingrak or Râpî.† And it is certain that, whereas

---

* See Routes from Kathmandu to Peking in sequel and paper on Horsok and Sûkîm. Sûkîm is the eastern boundary of Khâm, which commences, on the line of route from Nêpâl at Sangwa, the 51st stage, and extends to Tachindo, the 104th and political boundary of Tibet and China. The Yûnling chain seems to run along the western verge of Sûkîm.

† In the sequel I shall give the river basins of the Western Himalaya upon the authority of Dr. Thomson, in order to complete the enumeration of Himalayan districts, but simply as results, and without discussion. Dr. T.'s river distribution proceeds on the same principle as mine, which was published three years prior to his. I think he has needlessly increased the number of basins and thereby almost marred the effect of the causal connection of them with the geological structure of the mountains.

‡ This identification is probably erroneous, though adopted by Buchanan. The Jhingrak with a higher source is turned into the Karnâli by the Dhoulâ-giri ridge; the proximate Râpî is not so influenced, owing to its lower source, and hence has an independent course through the plains to the Ganges, like the Gumti, etc., as enumerated in the sequel.
these streams drain the whole alpine valley of the Karnáli, so their most west-
erly source and course is confined on the west by the Nanda-dévi peak, as their
most easterly is limited on the east by that of Dhoufla-giri. These rivers do not
wholly unite within the hills, though their tendency to union is so decided, that
they are known by one name, even in the plains, where their collective appellation
is Sárju or Káli or Ghógra. In the hills the whole of them are universally de-
nominated by the collective name of Karnáli (corrupted by Rennell and his fol-
lowers into Kenár). Karnáli is the proper name of this noble river, the Karnáli
branch being by far the largest, the central, and most remote of origin. It rises
in Tibet, not far from one of the sources of the Sutlej, and has a considerable Trans-
Himalayan course to the westward of the Taklakhár pass, where it quits Tibet.
No natural district can be more distinct than the alpine basin of the Karnáli, as
above defined. It includes the political divisions of Káli-Kúmáun, belonging to
Britain, and of the Báiśi, or twenty-two Rájes of Népál, with Yúmla or Júmla,
Dótí, and Sallúsán. In the second basin, or that of the Gandak, we have, succes-
sively from the west, the Barígár, the Náráyání, the Swáti-gandaki, the
Marsyángdi, the Daramdi, the Gandi, and the Tríslú. These are the "Sapt Gand-
dákii" or seven Gandaks of the Népálese, and they unite on the plainward verge
of the mountains at Tírbéní above Sáran. They drain the whole hills between
Dhoufla-giri and Gosain-thán, the Berígár, and one head of the Náráyání, rising
from the former barrier, and the Tríslú, with every drop of water supplied by
its afluentes from the latter. Nor does a single streamlet of the Tríslú arise east of
the peak of Gosain-thán, nor one driblet of the Berígár deduce itself from the
westward of Dhoufla-giri. We have thus in the alpine basin of the Gandak another
admirably defined natural division comprised within two great proximate Himá-
layan peaks. This division is named, vernacularly, the Sapt Gandaki. It in-
cludes the old Choubiei or twenty-four Rájes, and belongs to the modern kingdom
of Népál.

Our third sample of a Himálayan natural province, conterminous with the
utmost spread of the feeders of a large river, and bounded on either hand by a prime
snowy peak, is the basin of the Cósi, which, like the Gandak, has seven principal
feeders These are as follows:—the Milamchi, the Bhótia Cósi, the Tábma Cósi,
the Líkhu, the Dúd Cósi, the Arun, and the Tamór. Of these, the Milamchi,
rising from Gosain-thán, is the most westerly, and the Tamór, rising from Kan-
gchan, is the most easterly feeder.† And those two great peaks, with the pre-
eminent ridges they send forth southwards, include every drop of water that reaches
the great Cósi of the plains through its seven alpine branches. All these branches,
as in the case of the Gandak, unite at (Varáha Kahétra above Náthput) within
the hills, so that the unity of this alpine basin also is as clear, as are its limitary
peaks and its extent.

*Tamór, Hindi equivalent to Tamvar, Sanskrit. So Dhoufla-giri for Dhawala-giri,
and Jamnoutri for Jamnavatari. I have throughout adopted the vernacular forms of
words as being more familiar and quite as correct.
† See J. A. S. No. 189. Route from Kathmandú to Darjeeling.
GEOGRAPHY OF THE HIMALAYA.

The alpine basin of the Čôši is denominated by the Nepálése the Sapt Kaśikā, or country of the seven Čôši. It comprises the old Rājes of the Kirántis, Limbús, and Kāla Makwánis, and is included, like the two prior basins, in the modern kingdom of Nepál.

The country drained by the above three rivers (Karnáli, Gandak, and Čôši) includes the whole of Nepál and the proximate part of Kumám, or, in other words, 800 miles of the central and most characteristic portion of the Himalaya. Wherefore it is legitimately presumable that, whatever is true of its natural divisions, is true of those of the residue, quaad ruling principle and geological causation.

Now if the above facts relative to these three rivers be justly represented (and that they are so, in the main, I confidently assert), we are led irresistibly to inquire why the numerous large feeders of the rivers, instead of urging their impetuous way from the snows to the plains by independent courses, are brought together upon or near the verge of the plains? how unity is effected among them, despite the interminable maze of ridges they traverse, and despite the straight-downward impulse given them at their sources?—I answer, it is because of the superior elevation of the lateral barriers of these river basins, between which there are synclinal slopes of such decided preponderance, that they over-rule the effect of all other inequalities of surface, how vastsoever the latter may sometimes be.

These lateral barriers of the river basins are crowned by the pre-eminent Himalayan peaks, that the peaks themselves have a forward position in respect to the ghát-line or great longitudinal watershed between Tibet and India, and that from these stupendous peaks, ridges are sent southwards proportionally immense. Thus from the peak of Kangchan is sent forth the ridge of Singilḍā, which towers as loftily over all the other sub-Himalayan ridges of Eastern Nepál and Western Sikim, as does Kangchan itself over all the other Himalayan peaks.

This Singilḍān prolongation (so to speak) of Kangchan entirely separates the waters of the Čôši and of the Tishta. A similar ridge, that of Dayabbang, stretching south from the great peak of Gosain-thān, as entirely divorces the waters of the Čôši and of the Gandak. Another like ridge rising from Dhoula-giri as effectually sunders the waters of the Gandak and of the Karnáli. Another starting from Nanda-dávi in like manner wholly separates the proximate feeders of the Karnáli and of the Ganges; whilst yet another originating with Jamnoutri wholly separates the Ganges from the Jumna.

Equally effective with the divergent power of each of these supremely peaked ridges, which run parallel to each other and at right angles to the ghát-line of the snowy range, upon two river-basins, as just noticed, is of course the convergent

* The classical Cirrhatae, and a once dominant and powerful race, though they have long since succumbed to the political supremacy of other races—first the Makwánis and then the Gorkhális.

† Hence the name Dhaibáng, erroneously applied by Colonel Crawfurd to the peak Dayabbang, ‘the destroyer of pity,’ from the severity of the ascent.
power of two ridges upon the single contained river-basin. The synclinal lines from the inner faces of the two adjacent ridges draw the waters together; and, because these ridged peaks are the loftiest masses of the entire mountains, the effect of all their other masses, even that of the spine of Himâchal or the ghât-line of the snows, is over-ruled or modified, so that in the most rugged region on earth a very limited series of distinct main rivers appears in the plains from innumerable independent alpine feeders, in the manner which all behold, but few indeed think of referring to its cause.*

It is inconsistent with all we know of the action of those hypogene forces which raise mountains, to suppose that the points of greatest intensity in the pristine action of such forces, as marked by the loftiest peaks, should not be surrounded by a proportionate circumjacent intumescence of the general mass; and, if there be such an intumescence of the general surface around each pre-eminent Himalayan peak, it will follow, as clearly in logical sequence as in plain fact it is apparent, that these grand peak-crowned ridges will determine the essential character of the aqueous distribution of the very extended mountainous chain (1,800 miles) along which they occur at certain palpable and tolerably regular intervals. Now, that the infinite volume of the Himalayan waters is, in fact, pretty regularly distributed into a small number of large rivers, we all see; and, whereas the fact is thoroughly explicable upon my assumption, that the great peaks bound, instead of intersecting, the river-basins, it is wholly inexplicable upon Captain Herbert's assumption that the great peaks intersect the basins.

The above are normal samples of Himalayan water-distribution, and it is very observable that, whereas all those principal streams which exhibit the unitizing principle so decidedly, take their origine in the alpine region, at or near the snows, so the inferior streams, which rise from the middle region only, show no such tendency to union, but pursue their solitary routes to the Ganges; as for example, the Mâhánda, the Konki, the Bâgmatti, the Gumti, the Râputi, the Câsilla, and the Râmganga. Here is both positive and negative evidence in favour of the doctrine I advocate, as furnishing the key to the aqueous system and natural divisions of the Himalaya; for the upper rivers do, and the lower rivers do not, stand exposed to the influence of the great peaks.

The petty streams of the lower region, or that next the plains, which water the Dhûns or Mâris, traverse those valleys lengthwise; and as the valleys themselves run usually parallel to the ghât-line of the snows, such is also the direction of these petty streams. In the central, as in the western,* hills, they usually disem-bogue into the rivers of the first class.

* Since this was written a new peak of transcendent height has been determined, which yet does not influence the river basins of the Indian slope. The reason is that this peak is thrown back behind the ghât-line like Chumalhāri, as to which see on. Such facts need not affect the justice of what is written above, but must be regarded as exceptional, at least for the present.

* J. A. S. No. 128, p. xxxiii.
I have observed that the three great river basins of the Karnāli, Gandak, and Cōsī extend throughout Nēpāl, and truly so; for a river basin includes the widest space drained by its feeders. But it results necessarily from the manner in which the deltoid basins of the Himālayan rivers are formed, that there should be intervals between the plainward apices of these deltoid basins. Of these intervals the most conspicuous in Nēpāl is that which intervenes between the Cōsī and Gandak. This tract, watered by the Bāgmati, deserves separate mention on many accounts, and it may be conveniently styled the valley region, since it contains not only the great valley of Nēpāl proper, but also the subordinate vales of Chitlong, Banēpā, and Panouti.

It has been already remarked, that the classifications of physical geography, as of the other sciences, do not constitute a perfect "open sesame" to the mysteries of nature, but only a material help to their study. This observation I will illustrate by a few comments on the basin of the Tishta, lest the somewhat anomalous instance of that basin should be captiously quoted to impugn the doctrine I contend for; but contend for, not as exhibiting in every instance an absolute conformity with natural arrangements, but as doing all that can be reasonably expected in that way, and as furnishing, upon the whole, a generally truthful, causally significant, and practically useful, indication of those arrangements.

I have stated above, that the basin of the Tishta extends from the peak of Kangchan to that of Chumalhāri. Between these two peaks there occurs what miners call "a fault" in the ghāt-line of the snows, which line, after proceeding N. Easterly from the Lāchén pass to Powharry, dips suddenly to the south for nearly forty miles, and then returns to Chumalhāri. A triangular space called Chūmbi is thus detached from the Himalayas and attached to Tibet; and the basin of the Tishta is thus narrowed on the east by this salient angle of the snows, which cuts off the Chūmbi district from the Tishtan basin, instead of allowing that basin to stretch easterly to the base of Chumalhāri. Chūmbi is drained by the Māchū of Campbell, which is doubtfully referred to the Torsha of the plains, but which may possibly be identical with the Hāchū of Turner and Griffiths, and consequently with the Gaddāda of the plains. But besides that these points are still unsettled, one of the transverse feeders of the Tishta rounds Pow-

† Vide Waugh's outline of the snowy range of Sikim, J. A. S. loc. cit.
§ Embassy to Tibet and J. A. S. Nos. 87 and 88, with sketch maps annexed.

Also Pemberton's large map of the Eastern frontier. Rennell is not easily reconcilable with them. I had identified the lakes of Cholāmū, which give rise to the Tishta, with Turner's lakes. But I now learn from Hooker, that the latter lie a good deal east of the former, and I am satisfied that Campbell's Māchū is distinct from Turner's Hāchū. We need, and shall thus find, space in the hills, correspondent to that in the plains watered by Rennell's Torsha and Saradingh and Gaddāda and Suncūsi.

The Māchū, (Māha tchien of Turner) rises from the west flank of Chumalhāri. The Hāchū of Turner is a feeder joining his Tchīn chū from the west; the Chān chū of Turner is the Suncūsi (the Eastern Suncūsi, for there are two there, besides that of Nēpāl, of Rangpur, his Tchīn chū is the Gaddāda, and his Māha chū the Torsha. The Arun has its rise in the broken country of Tibet lying north-east and west of the sources of the Tishta and south of the Kambalū, or great range forming the southern boundary of the valley of the Yārū; this broken country Dr. Hooker estimates at from sixteen to eighteen thousand feet above the sea. It is a good deal terraced near Himāchal.
hanry and rises from a lake (Cholamü) approximating to Chumalhári; so that, one way or another, the Tishta may be said, without much violence, to spread its basin from Kangchan to Chumalhári.

Chúmbi and all the adjacent parts of the plateau of Tibet constitute a region as singular as is the access to it from Sikim by the Láchén pass. That pass surmounted, you at once find yourself, without descent, upon an open undulated swardy tract, through which the eastern transnivean feeders of the Tishta and of the Arún sluggishly and tortuously creep, as though loath to pass the Himálaya, towards which indeed it is not easy to perceive how they are impelled; the plateau of Tibet generally sloping on their right to Digarchi, and seeming to invite the streams that way. This is however of course a water-shed, though by no means a palpable one; and we know by the signal instances of the vast rivers of South America and those of North-eastern Europe, how inconspicuous sometimes are the most important water-sheds of the globe. The sources and courses of the feeders of the Tishta will shortly be fully illustrated by Dr. Hooker, my enterprising and accomplished guest, to whom I am indebted for the above information relative to the Láchén pass and its vicinity, and whose promised map of Sikim, which state is the political equivalent for the basin of the Tishta, will leave nothing to be desired further on that head.*

But the Himálaya must necessarily be contemplated in its breadth as well as its length; and we have therefore still to consider what regional divisions belong to these mountains in relation to their breadth, or the distance between the ghát-line of the snows and the plains of India.

The Himálayan mountains extend from the great bend of the Indus to the great bend of the Bráhmapútra, or from Gilgit to Bráhmakúnd, between which their length is 1,800 miles. Their mean breadth is (reckoning from the ghát and purposely omitting the questions of axis and counterslope) about ninety miles; the maximum, about 110, and the minimum, seventy miles. The mean breadth of ninety miles may be most conveniently divided into three equal portions, each of which will therefore have thirty miles of extent. These transverse climatic divisions must be, of course, more or less arbitrary, and a microscopic vision would be disposed to increase them considerably beyond three, with reference to geological, to botanical, or to zoological, phenomena. But upon comparing Captain Herbert's distribution of geological phenomena with my own of zoological, and Dr. Hooker's of botanical, I am satisfied that three are enough. These regions I have already denominated the lower, the middle, and the upper. The reader will observe that this paper was written in 1846.

* The reader will observe that this paper was written in 1846.
† J. A. S. for December 1847 and June 1848.
GEOGRAPHY OF THE HIMALAYA.

Lower region . . . . Level of the plains to 4,000 feet above the sea.
Central region . . . . 4,000 to 10,000 feet above the sea.
Upper region . . . . 10,000 to 16,000; feet above the sea; highest peak measured is 29,002 feet.

It is needless to remind those who are conversant with physical geography, that in passing in a tropical country, by a long and gradual ascent, from near the sea level to several (4-6) miles above it, one must necessarily meet with regions equivalent, quoad organic phenomena, to the three great zones of the earth, or the tropical, the temperate, and the arctic; and, in fact, our three regions above indicated correspond in the main with those zones, and might be named after them, but that it is desirable to avoid terms involving theory, when those designating mere facts will suffice. But to resume. It is thus made apparent that the Himalaya, or, to be more precise, the Indian slope of the Himalaya, admits of a double series of natural and convenient divisions, those of length being coincident with the basins of the main rivers, and those of breadth with a triple division on the scale of elevations, from that of the plains to that of the perpetual snow, which latter tallies pretty nearly with the mean height of the passes into Tibet, or sixteen to seventeen thousand feet. But, as the plains are customarily divided into the upper, central, and lower provinces, so the Himalaya, in reference to its length, may be conveniently divided, when larger divisions than those of the river basins need to be spoken of, into the western, embracing the basins of the Jhilum, Chinab, Bias, Ravi, Satluj, Jamna, Ganges, Ghagra, within the British territories; the central, including the basins of the Karnali, the Gandak, and the Gosi, within those of Nepal; and the eastern, embracing the basins of the Tishta, Morna, Subansiri, and Dihong, which include Sikim, (now half British), Bhutan, and the territories of the disunited lawless tribes lying east of Bhutan. And it is very observable that, in respect of climate, the above suggested analogous divisions of the plains and mountains correspond, for the more you go westward in plains or mountains, the greater becomes the dryness of the air and the extremes of heat and cold.

But the grand determiner of climate, as dependent on heat, in all parts of the Himalaya, is elevation, which acts so powerfully and uniformly, that for every thousand feet of height gained, you have a diminution of temperature equal to 3° or 3½ of Fahrenheit: consequently the transverse regions, notwithstanding their proximity, show, upon the whole, a much more palpable variety of climate than is incident to the lengthwise divisions of the chain, how remote soever they may be. But in reference to moisture, the next element of climate, the case is somewhat altered, for every movement towards the west (N.W.) along the lengthwise development of the Himalaya, carries you further and further out of

† This is about the average height of the ghats and of the perpetual snow. It is also nearly the limit of possible investigation, and of the existence of organic phenomena. But the upward limit need not be rigorously assigned—4,000 is the limit of snow-fall to the south, well tested in thirty years—4,000 is also that point which best indicates the distinction of healthful and malarious sites.
the line of the rainy monsoon, which is the grand source of supply of moisture. The third determining and very active cause of climate operates throughout the chain, determining chiefly the specific differences. It consists in the number, height, and direction of the ridges interposed between any given position and the direction of the S. W. or rainy monsoon; for, each of these ridges, crossing more or less directly the course of the vapour from the ocean, has a most marked effect in diminishing the quantity of rain and moisture behind such covering ridge, so that, inasmuch as by receding from the plains towards the snows, you interpose more and more of these ridges, you find not only temperature falling with elevation gained (as a general rule,) but also greater dryness of air, less moisture, more sunshine, (and so far more heat); and, as a general consequence, a gradual diminution of that excessive natural vegetation, arboreal and other, which is the universal characteristic of these mountains; yet still with greater power in the climate of these remoter districts of ripening grains and fruits of artificial growth, owing to the diminished rain and increased sunshine of summer, and in spite of the general decrease of the temperature of the air. That combination of tropical heat and moisture to which we owe the generally "gorgeous garniture" of mountains so stupendous has, at low elevations, the bad effect of generating a malaria fatal to all but the peculiar tribes, whom ages untold have been inured to it, and whose power of dwelling with impunity in such an atmosphere is a physiological fact of very great interest. The tribes adverted to are called Awaliaa, from dwał, the name of malaria.

The whole of what I have denominated the "lower-region," as well as all the deep beds of the larger rivers of the "central region," lying much below what I have given as the elevational demarcation of the two regions, or four thousand feet, are subject to the dwał.

After what has been stated, it will be seen at once, that tables of temperature, rain-fall, and moisture, could, if given, only hold true of the exact spots where they were registered.

The latitude in a small degree, but in a far greater, the longitude, or position with reference to the course of the rainy monsoon—the number of interposed ridges crossing that course—and the elevation are the circumstances determining the heat and moisture, that is, the climate, of any given spot of the Eastern, Central, or Western Himalaya. There are amazing differences of climate in very proximate places of equal elevation, caused by their relative position to covering ridges, and also, as has been proved experimentally, by the effects of clearance of the forest and undergrowth, and letting in the sun upon the soil.

The general course of the seasons is the tropical, with cold and dry weather from October to March, and wet and hot weather from April to September, correspondent to the duration of the N.E. and S.W. monsoons. The springs and autumns, however, are more clearly marked than the latitude would promise, and from the middle of March to the middle of May, and again, from the middle of September to the middle of December, the weather is delightful. From the middle of December
to the end of February is the least agreeable portion of the year, being cloudy and rainy or snowy, with cold enough to make the wet tell disagreeably, which it does not do in the genial season of the rains. The general character of the climate is derived from its combined and great equability and temperateness. For months the thermometer hardly ranges 5° day and night, and that about "temperate" of Fahrenheit, or the perfection of temperature; and altogether, the climate is one of the safest (I here speak of the central and normal region) and most enjoyable in the world. The wind is generally moderate, except in March, when the "Phagwa" of the N.W. plains reach us, but shorn of its fervour. The quantity of electricity is, on the whole, small, and storms are nearly confined to the setting in and close of the rainy season. Epidemics are very rare; endemics almost unknown; so that it would be difficult to cite a Himalayan disease, unless such must be called dyspepsia. Goitre is more or less prevalent, but not often accompanied by cretanism. The general character of the surface in all parts of the Himalaya is a perpetual succession of vast ridges, highly sloped, and having very narrow interposed glens. Valleys properly so called are most rare. There are, in fact, only two throughout the great extent from Gilgit to Brahmakund, or those of Cashmere and Nepal, the latter only sixteen miles in either diameter.

Lakes also are small and very infrequent. Three or four in Kumain, and two or three in Western Nepal (Pôkra), in both cases juxta-posed, constitute the whole nearly. But it seems certain that lakes were more frequent in some prior geological era, and that the present valleys of Cashmere and Nepal once existed in a lacustrine state.

The Himalayan ridges are remarkable for the absence of chasm and rupture, and their interminable uniform lines, with the similarity of tone in the verdure of the ceaseless forests, (owing to the rarity of deciduous trees), detract somewhat from those impressions of grandeur and beauty, which mountains so stupendous and so magnificently clothed are calculated to convey. The transverse or climatic division of the Himalaya, though of course most noticeable and important in reference to organic phenomena, is also worth attention, in regard to inorganic ones. I shall however say little of the geology or of the botany of the Himalaya, abler pens than mine having now treated the subject. A little more space may be given to the ethnology and zoology, both as matters I myself am more conversant with, and which still have a deal of novelty in reference to geographical distributions particularly.

Every part of the chain abounds in minerals, particularly iron and copper; lead, zinc, sulphur, plumbago, in less degree. Mineral springs, both hot and cold, sapid and insipid, are generally diffused, and I am aware of other instances of lambent flame issuing in the fashion of the well-known Jwalamukhi of the Punjab, which superstition has consecrated. There is no lime-formation, and the mineral is very rare as a deposit: salt is unknown, though it abounds across the snows. So also the precious metals. Minerals and mineral springs are most frequent in the central region, so likewise the iron and copper veins: organic fossil remains and the small traces of coal, almost or quite peculiar to the lower region,
and far more abundant to the N.W. than to the S.E. In geology the upper region may be called the locale of granites and gneisses; the middle region that of gneisses and schists; the lower region that of the sandstone formation and of diluvial débris. It may be added that granite is much more extensively developed in the upper region than had been supposed, and that igneous rocks are by no means so entirely wanting: indeed, igneous action is displayed to a stupendous extent in the hypogene rocks, both stratified and unstratified, of the upper and central regions. There are no volcanos, active or extinct. Slight earthquakes are very frequent: severe ones, rare; very severe ones, unknown.

In botany the upper region is that of Junipers, Cypresses, Cedars, Larches, Yews, Poplars, Boxes, Dwarf Rhododendrons, Hollies, Willows, Walnuts, Birches, and, in general, of the superior Conifers, particularly to the S.E., for to the N.W. they descend into the middle region, even the stately Cedar, which however is unknown east of Kümám. In the second or central region* Birches, Hollies, and Willows recur. It is the region of Oaks, Chestnuts, Horse Chestnuts, Magnolias, Laurels, Alders, Tree Rhododendrons, Cherry and Pear Trees (large and wild), Oleas (forest trees), Maples or Sycomores, Thorns, Ashes, Elms, Horn-beams, Elders, Paper and Wax Trees, Tea Allies, (Eurya and Thea etc), an importation which has succeeded to perfection, but chiefly below 4,000, Tree Ferns, some few and peculiar Palms (Chamomopes, etc.), and the inferior sorts of Pines.

The third or lower region is that of Sals (Shorea) Siás (Dalbergia), Accias and Mimossas, Tundas (Cedrella), Cotton Trees (Bombax), Tree Figs (Elasticus, Indicus, Religiosos, etc.), Buteas, Dillenias, Duabangas, Erythrias, Premnas, some common Palms (Phoenix, etc.), but rare and poor, with recurring Tree Ferns, but more rarely than above perhaps, though the Tree and common Ferns, like the great and small bamboos, may be said to be borderers, denoting by their point of contact the transition from the lower to the central region. Pinus longifolia recurs in the lower region, descending to the plains nearly in Nepal, but most of the other Conebearers in Nepal, and still more, east of it, eschew even the central region, abundant as they are therein in the Western Himalaya. So likewise the Tree Rhododendrons in the Eastern Himalaya are apt to retire to the northern region, though in the Central Himalaya they abound in the central region.

In zoology, again, to begin with man, the northern region is the exclusive habitat of the Bhótias (Cis-Himalayan, called Palusén, Róngbo, Sérpa, Siena, Káthbhotía, etc.,) who with their allies the Thakoras and Pakías extend along the whole line of the gháts, and who, with the name, have retained unchanged the lingual and physical characteristics, and even the manners, customs, and dress, of their transnicenean brethren. To the central region are similarly confined, but each in their own province from east to west, the Mishmis and Mirris, the Bors and Abors, the Kapachors, the Ákas, the Daphías, (east of Bhútan), the

* N.B.—Central in length is called, central only, or central Himalaya; central of breadth, central region.

† Both tea and coffee plantations are now well advanced in the Eastern Himalaya, with the surest prospect of success. In the Western Himalaya that success is now a fact accomplished.
Lhöpas (in Bhutan), the Lepahas or Deunjongmaro (in Sikim), the Lumbas or Yak-thumbas, the Yakhas, the Khömbe or Kirántis, the Múrmis or Tamars, the Pahi or Padhi, the Néwars, the Súnwars, the Chépángs, the Kúsündas, the Vayus or Kayus, the Gurungs, the Magars, the Khas or Khasias (in Népal), the Kohlis, the Doms, the Rajhis, the Haris, the Garhwalis, the Kanets, the Dogras,* the Kakkas, the Bambas, the Gakars, the Dardus, the Dungbars (west from Népal). To the lower region again, and to similarly malarious sites of the middle region, are exclusively confined, the Kocchee, the Bodos, the Dhimkás (Sikim and east of it), the Kchaka, the Pallas, the Thárus, the Dénwars, the Kúmhas, the Bhrámus, the Dahis or Daris, the Kuswás, the Thámis, the Bótias (not Bhótias) (in Népal), the Bókas (in Kúmán), the Khátirs, the Awans, the Janjohas, the Chibs, and the Bábáös (west of Kúmán to the Indus).

The Himalayan population is intensely tribe-like, and is susceptible of a threefold division of pregnant significance, and quite analogous to what holds true of the aboriginal Indian and Indo-Chinese populations, viz., first, into the dominant or unbroken tribes, such as the Khas, Magar, Gurung, Néwar, Múrmi, Lepaha, Bodpa, etc.; second, into the broken tribes, such as nearly all those termed Awalias† as well as the Chépáng, Kúsínda, and Háyu; third, into the tribes of helot craftsmen:

---

* The late Captain Cunningham (in epist.) refers the Darduras (Daradas) and the Donghers to the upper region, as also the Kanets, who extend northward, beyond the Himálaya, where they even form “the mass” on either side the Sålúj. They are of mixed origin, like the Khas of Népal, the Dogras of Punjab, and the Gadhí of Chamba.

† A list of Awalias;—1 Kocch, 2 Bodo, 3 Dhimal, 4 Garo, 5 Dolkhal, 6 Batar or Bó, 7 Kudi, 8 Hájong, 9 Dhanuk, 10 Marsha, 11 Amat, 12 Köbrat, 13 Kichak, 14 Pallá, 15 Thúrur (not own name in Sállyan), 16 Bókas (Kumaon), 17 Dahi or Darhi (allied to Bhránus), 18 Thámí, 19 Pahi or Pári (allied to Newar and Murrí), 20 Kumba (not own name), 21 Botia (allied to Kuswár), 22 Kuswár, 23 Denwar (allied to two last), 24 Bhránus (allied to Dahi), 25 Váyu (not Awalias but broken tribe), 26 Chepang, and 27 Kusunda (ditto).
The position and affinities of the last are still to me an enigma, as they were
when I adverted to them in my work on the Kocch, Bodo, and Dhimāl. As black-
smiths,* carpenters, curriers, etc., their services are, and ever have been, invalu-
able; yet they are degraded to the extent of being outcasts. Their manners have
little, and their tongues nothing, and their physical attributes not much, to denote
their race and lineage. Of the other two masses of the population, the unbroken
tribes are clearly the more recent immigrants from the north, and in general they
are distinguished by languages of the simpler Turanian type, whereas the languages
of the other or broken tribes are of the complex or pronomenalized type, tending,
like their physical attributes, towards assimilation with the Dravirian or the
Ho, Sontal or Munda, sub-families of the sons of Tūr. These broken tribes are dem-
onstrated by their relative position to be of far older date in the Himāla; as in
Indo-China, and perhaps also in India, than the unbroken; and altogether, the
phenomena of ethnology in the Himālaya warrant the conclusions, that the Himā-
layas were peopled by successive swarms from the great Turanian hive, and that
its tribes are still traceably akin alike to the Altaic branch of the north and
to the Dravirian and Munda of the south.† The Khās, Kaṅdās and Dōgras, and
several others of the Western Himālaya, are clearly of mixed breed; aboriginal
Tartars by the mother’s side, but Arians (Brāhman and Kshētriya) by the father’s,
as I have shown in my memoir on the military tribes of Nēpāl. (J.A.S.B.
May 1833.)

In reference to those European speculations touching the peopling of the
Indian continent which have been lately raised, chiefly on the basis of my voca-
bularies, I may remark generally, that very remotely sundered periods of immi-
gration, from the north by no means involve totally different routes of immigration,
and still less races so trenchantly demarked from all the priorly recognized ones
as have been lately assumed and denominated Gangetic, Lohitite, Taic, &c. Every
day multiplies the proofs of affinity between the Himālayans and the recognized
sub-families of Altais, Indo-China, and Draviria; whilst, abating the single fact
of the Brahoi tribe having lingual affinities with the Turanians, I see no safe
ground for assuming that the sons of Tūr entered India generally or exclusively
by the well-known route of the immigrant Arians, or by any yet more southerly
route. The hundred gates of the Himālaya and of its off-shoots have stood open
in all ages; beyond them, in all ages, have dwelt the diversely tongued and fea-
tured tribes of the vastest, and most erratic, and most anciently widespread, but
still single branch of the human race; and, as I find similar diversities of tongue
and feature, characterizing that branch alike in the Cis and Trans-Himālayan
countries, so I believe that the former have been peopled from the latter
by successive incursions along the whole Himālayan ghāt line, of races and tribes
which there is yet no sufficient ground for contra-distinguishing from all the here-

* Of all the unbroken tribes, the Māgu* alone have their own miners and smiths.
See and compare what is told of the old mines and miners of the Altai. See also a note
in my work on the Kocch, Bodo and Dhimāl.
† See paper on Nilgirians, J.A.S.B., and also two essays on the Vayu and Baining
tribes, in the same Journal (1857).
tofore recognized ones of the north.* African immigration at any time, and by any route, appears to me a sheer assumption. But it may well be, that some of the sons of Tūr entered by the Arian route, and that these were among the earliest immigrants, whose more westerly abode and point of entrance into India is still indicated by the higher structured tongues of their presumed descendants. But we must not forget that there are complex tongues at the eastern as well as at the western extremity of the Altaic region (in its wide sense); that many of these tongues are most imperfectly known; that Siśśa and Central Himalaya and Indo-China are now known to be tenanted by races speaking tongues of the complex type, some even more complex than the Dravirian, and more allied to the Gònd, Hō and Sontal type; and, above all, that the essential character (including differences and resemblances) of the above adverted to several sub-types of language, embracing the true affiliation of the races using them, is yet to be determined. So that we can only now safely say that the general relationship of all the sons of Tūr in and beyond India is as certain as their more special and close affinities are uncertain.†

But to proceed with our zoological enumerations. To the upper region exclusively belong, among the ruminants, the bisons (poephagus) and musks, the wild goats (ibex, hemitragus) and wild sheep (pseudois, caprovis); among the rodents, the marmots and pikas (lagomys); among plantigrades, the bears proper (ursus). In the middle region, true bovines (boe) take the place of the bisons of the upper region; bovine and caprine antelopes (budorcm, capricornis, nemorhedw) replace its musks and wild goats and sheep; common rats and mice, and hares and porcupines and hedgehogs its marmots and pikas; and sun bears (helarctos) its true bears; whilst the deer family, unknown to the upper region, is here represented only† by the anomalous still-horns (stilocerus). In the lower region the ox-family is represented by bibos and bubalus (splendid wild types); the deer family, here abundant, by rusua, rucervi, axises, and still-horns to boot; the

* I allude more particularly to the writings of Prof. Max Müller and Dr. Logan. No one can more freely than myself admit the scholastic attainments and skill in the science of grammar of the former, or the immense and skilful industry of the latter. But I demur to their inductions, nor can I see the advantage of multiplying nominal, that is to say, undefined or crudely defined ethnological groups. We must have first a just definition of the family, and thereafter, by and by, definitions of the several sub-families already recognized, when the definition of the rest may follow.

† In my papers on the Nilgirians and in those on the Vayu and Bāhing, above alluded to, I have classed the Himalayans under the two great divisions, of such as use pronon-  

enalized and complex and such as use non-pronominalized and simple tongues. In the memoirs on the Vayu and Bāhing I have analysed their languages as exemplars of the complex type of speech in Himalaya. The double pronominalization of those two tongues, indicates their close affinity to the Ho-Sontal group of languages of the plains.

† I am fully aware that Rusua (sāmber) are found in the western hills, but a careful consideration of the facts in that part of the Himalaya, with due adverence to the known habits of the group, satisfies me that these Deer have been driven into the western hills by the clearance of the Tarai and Bhāver. For some remarks on this subject, see J.A.S. of Bengal No. 211, for January 1850, page 37.
antelopes by tetracerus, or the four-horned kind; the rodents by the bambú rats (rizomys) and spiny hares (caprolagus); and the bear family by the honey-bears (melursus); add to all which that to this region are exclusively confined all the pachyderms, such as the elephant and rhinoceros; and the monkeys also (semnopithecus et macacus) though not so exclusively in their case. The carnivora, again, are represented in the upper region by ounces, by foxes of a large sort (montanus), by the weasels proper, and by the ailuri or catlories; in the middle region, by the wild dogs (cyon), the marten-weasels, leopards, thick-tailed leopards (macroceloidea), wild cats (murimensis, pardochrous, ogilii), chausce or lybian lynxes (lybicus), zibeta, screwtails (paradoxurus), and prionodons; and in the lower region by tigers, leopards, hyenas, wolves, jackals, insectivorouso foxes (kokri), bear-badgers (ursitaxus), sand-bears (arctonyx), urvas, mangooses, helictes or Oriental gluttons, small civets (viverrula), hiruntse screwtails, and sharp-faced cats (celidotagaster). Zibeta and chausces recur in this region frequently, and one small species of mongoose (auropunctata) is found in special spots of the central region. The otters in the upper region are represented by the small golden and brown species (aurobrunnea); in the central, by monticola and indigitata; in the lower, by the large Chinese species (Sinensis). Among the squirrels, the great thick-tailed and large purple species (macrurides et purpureus) belong solely to the lower region; the small lokries (locris et decorloses) to the central; and the Siberian, to the upper; whilst flying squirrels, a numerous group, (magnificus, semex, chryslothrix, alboniger), are confined to the central region, so far as appears. In the bat group, the frugivorous species, or pteropines, are limited to the lower region, whilst the horse shoes (rhinolphine) specially affect the central region; and the bats proper (vespertilionine) seem to be the chief representatives of the family in the northern region. From the class of birds, we may select, as characteristic of the three regions, the following:—

The true pheasants [phasianus], the tetrougalli, the sanguine pheasnts [ithaginis], the horned and crested pheasants [ceriornis, lophophorus] of the upper region, are replaced by fowl-peatants [galophasis] in the mid-region, and by

Jackals have made their way (like crows and sparrows) to the most populous spots of the central region, but they are not proper to the region, nor Indian foxes, though some of the latter turned out by me in 1827 in the great valley of Népal have multiplied and settled their race there. Ab his dice alta. Tigers, for example, are sometimes found in the central and even northern region. But ample experience justifies my asserting that they are wandering and casual intruders there, whereas leopards are as decidedly fixed and permanent dwellers. As a sportsman during twenty years, I have, whilst shooting pheasants and cocks, fallen in with innumerable leopards, whose fixed abode in numberless locales was pressed on my attention involuntarily. But I never fell in with a single tiger, and I know them to be wanderers and intruders.

The influence of longitude on geographic distribution might be singularly illustrated, did space permit, from numerous Himalayan groups, Galline and other: thus, for example, a black-breasted Ceriornis is never seen east of the Káli, nor a red-breasted one west of it. So of the black and white-crested Gallophasis; whilst a black-backed one is never seen west of the Arán, nor a white-back east of it. With reference to the more dominant influence of latitude, or what is the same thing, elevation, I may add that the Ræora of the three transverse regions exhibit an exquisite sample of gradation from a Boreal or Alpine to a tropical type; Phasianus, Gallophasis and Gallus

cc
GEOGRAPHY OF THE HIMALAYA.

fowls proper (gallus) in the lower. In like manner, among the partridges (perdicinae), the grouse and snow-partridges (lerva and sacfa) belong exclusively to the upper region; § the chakirs (caccabia) and the tree partridges (arboricola) to the central; and the francolines (francolinus) to the lower, though the black species of this last form are also found in the mid-region. In the pigeon group the blanched pigeons (leuconota) belong solely to the upper region; the vinous pigeons (Hodgsoni) to the central; and the green, the golden, and the banded (treron, chalcophaps, macroptygia) almost as entirely to the lower; the tretrons alone partially entering the central tract from the lower.

The splendid Edolian shrives (chibia, chaptia, edolius) belong exclusively to the lower region. They are replaced in the central tract by plain dicrurine, and in the upper by plainer laniane. The cotton-birds (campophaga) of the south are replaced by gaudy ampelises (cochua) and leiothricines (leiothrix, pteruthius, cutia) in the middle region; but both groups seem excluded from the north. Among the fly-catchers the gaudy or remarkable species and forms belong wholly or chiefly to the lower region, as tchitrea, rhipidura, cryptolopha, myiagra, hemichelidon, chelidorhynx; whilst those which approach the warblers (niltava, sipha, digenea) belong to the mid-region; and the plainer and more European types are found in the northern.

Among the fissirostres, goat-suckers and swallows are pretty generally distributed; but rollers, bee-eaters, eurylami, trogons, and all such gaudy types belong to the south, with only occasional alpine representatives, as bucia is of merops. The tenuirostral birds belong distinctly to the lower region, yet they have representatives or summer visitants in all three, even among the sun-birds. Upon the whole, however, it may be safely said that the sun-birds (nectarinia) belong to the south; the honey-suckers (meliphagidae) to the centre and south; and the creepers, honey-guides, nut-hatches, and wrens to the north and centre. The sylvians or warblers are too ubiquitous, or too migratory for our present purpose even Boreal types being common in the lower region in the cold weather. Horn-bills, barbets, parroquets (paloeornia, psittacula) belong to the lower region, though they have a few representatives in the central; none in the upper. Woodpeckers abound in the lower and central regions, but are rare in the upper. True cuckoos (cuculus) are as common and numerous (species and individuals) in the central region as walking cuckoos (phenicophaeus, centropus, &c.) are in the southern, where also the golden (chrysococcyx) and dicrurine cuckoos (pseudornis) have their sole abode; whilst what few of the group belong to the upper region are all allied to the European type. Of the conirostral group, the ravens, pies, choughs, nut-crackers, and conostornes of the upper region are replaced in the central region by tree pies (ciisa, dendrocitta), jays, rocket-birds (psilorhinus), being thoroughly normal forms of their respective regions, and Gallophasis being as intermediate in structure and habitat as in locale.

§Sacfa and Crossoptilium are more properly Tibetan.

‡I have in this paper followed, without entirely approving Mr. Gray Junior's classification of my collections in the printed catalogue. The geographic distribution is now attempted for the first time. But I will recur to the subject in a separate paper devoted to it.
pie-thrushes (garrulax), timials, and hoopoe thrushes (pomatorhinus); and in the lower region by the common Indian crows (columinitus et splendens), grackles, pastors, stars, vagabond-pies and dirt-birds (malococercus). Thrushes proper, with rock-thrushes, ouels, myophones, zootheres, testas, and hypeipetes are as abundant in the central and upper region as bulbula, orioles, pittas are in the central and lower.

In the finch family the haw-finches, bull-finches, gold-finches and cross-bills (loxia) are as strictly confined to the upper region as are the corvine-conestones, nut-crackers, choughs and ravens. The former are replaced in the central region by the buntings, wood-finches (montifringilla) and siakins; and in the lower region, by the weavers and munias. The raptorial-birds are in general to cosmopolitan to subsist in the purposes of geographic distribution. Still it may be remarked that the archibutees and true eagles belong, spaced breeding at least, to the upper region; the crested eagles (circleetus), the neopseus and hawk eagles (spizeetus) to the central; and the pernes (haliatus et pandion) and haliasture to the lower. Among the vultures the distinction is more marked; for the eagle vultures (gypaetus) belong exclusively to the upper region; the large European vultures (fulvous et cinereus) to the central; and the neophrons and the small Indian vultures (Bengalensis et tenuirostris) to the lower. The Himalaya abounds in falconids, all the occidental types and species being found there, and many more peculiar and oriental ones; and it deserves special remark that whereas the former (imperialis, chrysetos, lanarius, peregrinus, palumbarius, ninus, etc.) affect the upper and central regions, the oriental types (hypotiorchis, halicaster, iera, hytiopus vel baza, elanus, poliornis) are quite confined to the lower region.

Those perfect cosmopolitans, the waders and swimmers, migrate regularly in April and October, between the plains of India and Tibet, and, in general, may be said to be wanting in the mountains, though most abundant in the Tarai. The great herons (nobilis et cinereus); the great storks (nigra et purpurea), and great cranes (the cyrus, culmin, and damoisele) of the Tarai are never seen in the mountains, where the egrets alone and the little green and the maroon-backed represent the first group. But the soft-billed smaller waders (scolopacidæ) are sufficiently common in the mountains, in which the woodcock abounds, breeding in the upper region and frequenting the central, and rarely the lower region, from October till April. Geese, ducks, and teals swarm in the Tarai, where every occidental type, so to speak, for they are ubiquitous, may be seen from October till April; and many oriental non-migratory types; whereas in the mountains the mergansers (orientalis) and the corvovants (Sinensis et pygmaeus) only are found, and that very scantily; with a few rails, ibisbills, porphyrops, histiculas, gallinules,

* When Darjeeling was established, there was not a crow or pastor or sparrow to be seen. Now there are a few crows and sparrows, but no pastors. Enormously abundant as all are in the lower region, this sufficiently proves they are not native to the central tract, though common in the great valley of Népal. Sparrows first seen in 1855.

† H. Schlagintweit procured a woodcock with its nest and young in June at an elevation of about 12,000 to 13,000 feet. They are frequently got, and snipes also, in the scrub rhododendron thickets near the snows.
and sandpipers, out of the vast host of the waders.† In the way of general remark I may observe that the zoology of the Himalaya is much richer in the multitude of its diverse forms (genera and species) than in individuals of the same form, and that it is remarkably allied to the zoology of the Malay islands, as may be seen at once by a reference to the excellent work of Horsfield. As you pass northwards, towards and across the snows, the forms and species tend much to approximation with those of our European home; but the species are not often absolutely identical.

But I must hasten from these zoological details to make some remarks on the sub-divisions of the lower region, a subject which, though in many ways interesting and important, is so little understood, that the celebrated Mrs. Somerville, in her excellent treatise of Physical Geography, has represented the Tarai as being within, not only the Bháver, but the Sandstone range.§

All observant persons who have proceeded from any part of the plains of India into the Himalaya are sensible of having passed through an intermediate region distinguished by many peculiarities; and, if their route have lain to the north-west, they can hardly have failed to notice successively the verdant Tarai, so unlike the arid plains of Upper India; the vast primeval Saul forest, so every way unique; and the Dhúns or valleys, separated from the last tract by a low range of hills. The natives of the plains have in all ages recognized these several distinct parts of the lower Himalayan region, which they have ever had, and are still wont to frequent periodically, as strangers and foreigners, in order to graze innumerable herds of cows and buffaloes in the Tarai, or to procure the indispensable timber and elephants peculiar to the Bháver, or to obtain the much-prized drugs and dyes, horns and hides, (deer and rhinoceros,) rās and dhūnas (resin of Saül and of Cheer), and timber of the Dhúns. Nor is there a single tribe of Highlanders between the Cós and the Sutlej which does not discriminate between the Tarai or Tari, the Jhári or Bháver, and the Dhúns or Márias. Captain Herbert has admirably described* the geological peculiarities and external aspect of each of these well-known tracts. His details are, indeed, confined to the space between the Kálí and the Sutlej; but the general characteristics of these tracts he affirms to be equally applicable to all the country between the Mécii and the Sutlej; and Captain Parish, whilst confirming Herbert’s statements, makes them so likewise as far westward as the Beas.† What Captain Herbert states as holding good from his own personal researches in regard to the Western Himalaya (Sutlej to Kálí), I can confirm from mine in regard to the Népáliëse portion (Kálí to Mécii), but with this reservation that no more in the Western than in the Né-

† For an ample enumeration of the mammals and birds of the Himalaya, (150 sp. of the former, and 650 of the latter,) see separate catalogue printed by order of the Trustees of the British Museum in 1845. The distribution is not there given. For additions to the catalogue since 1845 see A and M of Natural History and Zoology Journal of London, and Bengal Asiatic Society’s Journal, and second catalogue of British Museum, published in 1863.
§ Physical Geography, vol. i., p. 66.
* J. A. S.B., number 126, extra pp. 33 and 133, et seq.
† J. A. S.B., numbers 190 and 202, for April 1846-49.
Geography of the Himalaya.

Pálese Himálaya does the Sandstone range, with its contained Dhúns, prevail throughout or continuously, but only interruptedly or with intervals; and thus the Sallyrn-mári, the Gongtali-mári, the Chitwan-mári, the Makwánpur-mári, and the Bijaypur-mári of Népáli (which are mostly separate), represent with perfect general accuracy the Deyra, Kyarda, Pinjor, Pátali, and other Dhúns to the westward. The accompanying sectional outline will give a more distinct idea than any words could do of the relations of the several parts of the lower Himálayan region to the plains on the one hand, and to the mountains on the other, according to Captain Herbert's views. The continuous basal line represents the level of the plains; the dip on the left, the Tarai; the ascending slope in the centre, the Sául forest; the dip on the right, the Dhúns or Mári. It is thus seen that the Tarai sinks below the level of the plains; that the forest forms a gradual even ascent above that level; that the Dhúns continue the ascent to the base of the true mountains, but troughwise, or with a concave dip; and, lastly, that the Dhúns are contained between the low Sandstone range and the base of the true mountains. *The Tarai* is an open waste, incumbered rather than clothed with grasses. It is notorious for a direful malaria, generated, it is mid, by its excessive moisture and swamps—attributes derived, first, from its low site; second, from its clayey bottom; third, from innumerable rills percolating through the gravel and sand of the Bháver, and finding issue on the upper verge of the Tarai (where the gravelly or sandy débris from the mountains thins out), without power to form onward channels for their waters into the plains. *The forest* is equally malarious with the Tarai, though it be as dry as the Tarai is wet. The dryness of the forest is caused by the very porous nature of that vast mass of diluvian detritus on which it rests, and which is overlaid only by a thin but rich stratum of vegetable mould, everywhere sustaining a splendid crop of the invaluable timber tree (*shorea robusta*), whence this tract derives its name. *The Sandstone range* is of very incon siderable height, though rich in fossils. It does not rise more than three to six hundred feet above its immediate base, and is in some places half buried (so to speak) in the vast mass of débris through which it penetrates.* The Dhúns are as

*The low range which separates the Dhún and Bháver, on the high-road to Kathmándú, consists almost wholly of diluvium,* rounded pebbles loosely set in ocheous

---

**Disposition of parts in the lower region of the Himalaya.**

<table>
<thead>
<tr>
<th>The Tarai</th>
<th>The Bháver</th>
<th>Sandstone range &amp; Dhúns</th>
<th>Mountains of central region</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

*The grazing area which separates the Dhún and Bháver, on the high-road to Kathmándú, consists almost wholly of diluvium,* rounded pebbles loosely set in ocheous.
malarioua and as dry as the Bháver. They are from five to ten (often less, in one instance more) miles wide, and twenty to forty long, sloping from either side towards their centre, and traversed lengthwise by a small stream which discharges itself commonly into one of the great Alpine rivers—thus the Ráputil of Chitwan-mári falls into the Gandak, and that of Bijaypúr-mári into the Cóaf. The direction of the Máris or Dhúns is parallel to the ghát line of the snows, and their substratum is a very deep bed of débris, similar to that of the Bháver, but deeper, and similarly covered by a rich but superficial coating of vegetable mould which, if not cultivated, naturally produces a forest of Saül equal to that outside the Sandstone range, and then in like manner harbouring elephants, rhinoceroses, wild bulls (bíbos), wild buffaloes, rúseas, and other large deer (ruerans), with creeping things (pithons) as gigantic as the quadrupeds. The height of the Sandstone range Captain Herbert estimates at 3,000 feet above the sea, or 2,000 above the plains adjacent; and that of the Dhúns (at least the great one), at 2,500 above the sea, and 1,000 above the plains. These measurements indicate sufficiently the heights of the lower region, and it is observable that no elevation short of 3,000 to 4,000 feet above the sea suffices to rid the atmosphere of the lower Himalaya from malaria. Thus, the Tarai, the Bháver and the Dhúns are alike and universally cursed by that poisonous atmosphere. And this (by the way) is one among several reasons* why I have assigned 4,000 feet of elevation as the southern limit of the healthful and temperate mid-region; that above it being the arctic or boreal, and that below it, the tropical region, though it must never be forgotten that much of the tropical characters, especially in the course of the seasons, pervades the whole breadth (and length likewise) of the Himalaya, whatever be the decrement of heat, and also that, from the uncommon depth of the glens in which the great rivers run, and which, in the central and even upper region often reduces the height of those glens above the sea below the limit just assigned for salubrity, such glens are in both these regions not unfrequently as malarious as is the whole lower region.†

clay, such as forms the great substratum of the Dhúns and Bháver. The sandstone formation only shows itself where the rain torrents have worn deep gullies, and it there appears as white weeping sand, imperfectly indurated into rock. Crude coal, shale, loam, are found in this quarter, but no organic fossils, such as abound to the westward.

* By "diluvium" I merely mean what Lyell expresses by "old alluvium." I advert not to the deluge, but simply imply aqueous action other than recent, ordinary and extant.

† That 4,000 feet of elevation form a good demarcation of the tropical and temperate regions of the Himalaya, is well denoted by the fact, that this is the point where snow ceases to fall, as I have ascertained in the Central and Eastern Himalaya by the observations of thirty years. What I mean is, that snow just reaches that limit and never falls beyond it or below it. It may be otherwise in the Western Himalaya, where snow is more abundant at equal elevations. The small or hill species of bamboo, which prevail from 4,000 to 10,000 of elevation, mark with wonderful precision the limits of the central healthful and normal region of the Himalaya. These most useful species (there are several) would doubtless flourish in Europe.

† Thus the valleys of the Great Rangit and of the Tishta, near and above their junction, are not more than 1,000 feet above the sea, at a distance nearly intermediate between the plains and the snows, and in the midst of the central region; and
But the above characteristics of the sub-divisions of the lower Himalayan region, how noticeable soever to the west of the Mêchi, are by no means so to the east of that river, where a skilled eye alone can painfully detect the traces of the sandstone formation (without which there can be, of course, no Dhûns,) and where the Tarai, considered as a trough running parallel to the mountains, form no marked feature of the country, if indeed in that sense it can be said to exist at all. And as, even to the westward, the Sandstone range, with its contained Dhûns, is by no means constant, it may be desirable to attempt to characterise the lower region considered as a whole, without reference to local peculiarities or too rigidly defined sub-divisions. Now I conceive that the lower region owes its distinctive character, as a whole, to the vast mass of diluvial detritus, which was shot from the mountains upon the plains, like gravel from a cart, at some great geological epoch, and which has been, since its deposit, variously and often abraded both in degree and direction, by oceanic, and, in a far less degree, by ordinary floods. Where there was, at the epoch in question, no sandstone range to intercept the downward spread of the débris, this débris would necessarily be carried further south, and be of less thickness; where there was such a barrier, it would be carried less far southward and be accumulated in greater thickness, especially within the barrier; and, in like manner, where no sandstone range existed, but only spurs, sent forth, like bent arms, upon the plains from the mountains, the embayed détritus would still be deeply piled and lofty within such spurs,* and thinly and unequally spread without them, by reason of the action of the spurs on the currents. Again, where, as from Gowhatty to Saddia, there was not room upon the plains for the free spread and deposit of the descending Himalayan detritus, owing to large rapid rivers and to other chains, both parallel and proximate to the Himalaya, the phenomenâ created elsewhere by the more or less unrestricted spread of the Himalayan détritus over the plains would necessarily be faintly, if at all, traceable. Lastly, if at the time of the descent of the débris, there existed a great dip in the Gangetic plains those valleys are consequently as malarious as the Tarai. So also the valleys of the Sunkösi at Damja and of the Trisul below Nayakot, and many others well known to me. § In my recent expedition in the Tarai east of the Mêchi, with Dr. Hooker, that accomplished traveller first detected traces of the sandstone formation, with imperfect coal, shale, etc., in a gully below the Panknbari Bungalow, as well as at Lohagarh. The sandstone rock barely peeped out at the bottom of the gully lying in close proximity with the mountains, so that nothing could be more inconspicuous than it was as a feature in the physiognomy of the country.

* There is a signal example of this on the road to Darjeeling via Pankabar, where the débris, embayed by a curving spur, is accumulated to several hundred feet, and where, moreover, there is outside the spur a conspicuous succession of terraces, all due to oceanic forest, and clearly shewing that the subsidence of the sea was by intervals, and not at once. Constant observation has caused the people of the Tarai to distinguish three principal tiers of terraces, from the prevalent growth of trees upon each. The highest is the Sål level, the middle the Khair level, and the lowest the Sisú level; Shorea, Acacia and Dalbergia being abundantly developed on the three levels as above enumerated.

§ I do not imply by this phrase any reference to the theory that the sea has sunk and not the land risen. I think the latter much the preferable hypothesis, but desire merely to infer a change in the relative level of the two, and to link my facts upon the string of an intelligible system.
GEOGRAPHY OF THE HIMALAYA.

from north-west to south-east, the lithologic character, as well as the distribution, of the débris, would be materially affected thereby; for the subsiding oceanic current would have a set from the former to the latter quarter, and would continue to lash the gravel into sand, and here to deposit both in a series of terraces, there perhaps utterly to displace both, in the latter quarter long after the former had emerged from the waves. Now, that the Himalaya really was, at one time, in great part submerged; that the vast mass of débris from the Himalaya at present spread over the plains in its vicinity was so spread by the ocean when the founts of the deep were broken up; that this huge bed of débris, every where forthcoming, is now found in unequal proportion and distribution and state of comminution; as for example, deeper piled within than without the Sandstone range and the embaying spurs, and also, more gravelly and abundant to the north-west, more sandy and scant to the south-east;* and, lastly, that the Gangetic plain really now has a great oblique dip† from the Sutlej at Ruper to the Bráhmāpútra at Gwālpárā, whereby all the Himalayan feeders of the Ganges are in the plains so much bent over to the eastward—these are presumptions relative to the past, as legitimate as the extant facts suggesting them are incontrovertible; and we have but to observe how, at the grand epoch adverted to, the action of general causes was necessarily modified by the peculiar features of the scene, as above indicated, in order to come at a just conception of the aspect and character of the lower Himalayan region, all along the line of the mountains. Thus the longitudinal trough parallel to the mountains, and exclusively denominated the Tarai by Captain Herbert, may to the north-west have been caused by the set of the subsiding oceanic current from north-west to south-east; but however caused, it exists as a palpable definite creature, only beneath the Thakorain and Kúmáún, is faintly traceable beneath Népál, and is wholly lost beneath Sikim and Bhútán. But the great bed of débris is everywhere present, and with no other distinction than those pointed out, whether it be divided into Bhàver and Dhún, by the Sandstone range, as is usually the case west of the Méchi, or be not so divided owing to the absence of that range, as is always the fact east of the Méchi. Again, every

*Captain Herbert has given statements of its depth to the westward, where there is a Sandstone range. To the eastward, where there is none, I found it on the right bank of the Tishta, under the mountains, 110 feet; at fifteen miles lower down, 60 to 70 feet; at fifteen miles still further off the mountains, 40 to 50 feet. There was here no interruption to the free spread of the détritus, and I followed one continuous slope and level—the main high one. The country exhibited, near the rivers especially, two or three other and subordinate levels or terraces, some marking the effect at unusual floods of extant fluviatile action, but others unmistakeably that of pristine and oceanic forces. I measured heights from the river. I could not test the sub-surface depth of the bed. There was everywhere much more sand than gravel, and boulders were rare.

† Saharumpür is 1,000 feet above the sea; Muradsháh 600; Gorakpúr 400; Dumdanga 812; Bangpúr 290; Gwālpárā 112. My authorities are As. Res. vol. xii., J.A.S. B. No. 126, Royle’s Him. Bot., Griffith’s Journals, and J. Prinsep in epist. The oblique dip to the plains towards the east seems to be increasing, for all the Himalayan rivers descending into the plains, as they quit their old channels, do so towards the east only. I would propose, as an interesting subject of research, the formal investigation of this fact, grounding on Rennell’s maps and noting the deviations which have occurred since he wrote. The Tishta which fell into the Ganges now falls into the Bráhmāpútra.
where there is, at that point where this vast bed of gravel and sand thins out, a constantly moist tract, caused by the percolation of hill-waters through the said bed, and their issue beyond it; and that constantly moist tract is the Tarai, whether it runs regularly parallel to the line of mountains and be distinctly troughed, as to the Westward is the case, or whether there be no such regularity, parallelism, or of troughing, as to the Eastward is the case.

Why that vast mass of porous débris, which everywhere constitutes the appropriated domain of the saul forest, and that imporous trough outside of it, which everywhere constitutes its drain, should as far Eastward as the Méchi, be both of them developed parallelly to each other and to the line of the mountains, whilst beyond the Méchi Eastward to Assam (exclusive) they should exhibit little or no such parallelism, but should rather show themselves plainly, like an irregular series of high salient and low resilient angles resting on the mountains, or like small insulated plateaus, or high undulated plains, surrounded in both the latter cases by low swampy land analogous to the Tarai, it would require a volume to illustrate in detail. I have given a few conspicuous instances in the foot-notes. For the rest, it must suffice to observe that such are the general appearances of the Bháver and Tarai to the Westward and to the Eastward; and that the general causes of the differences have been pretty plainly indicated above, where the necessary effects of the sandstone range, of the mountain spurs, and of the Eastern dip of the plains upon those oceanic forces, to which all phenomena of the region owe their origin, have been suggested.

Throughout Assam, from Gwálpará to Saddia, Major Jenkins assures me there is neither Bháver nor Tarai; and if we look to the narrowness of that valley between the Himalayas and the mighty and impetuous Bráhmapútra, and consider moreover the turmoil and violence of the oceanic current from the N.W., when its progress was staid by the locked-up valley of Assam, we shall be at no loss to conceive how all distinctive marks of Bháver and Tarai should here cease to be traceable.

It will be observed that, in the foregone descriptions of our Himalayan rivers, I have not adverted (save casually in one instance, in order to correct an error

* Parbat Jowár, on the confines of Assam and Rangpúr, is one of the most remarkable of these small plateaus. It is considerably elevated, quite insulated, remote from the mountains, and covered with saul, which the low level around exhibits no trace of. Parbat Jowár is a fragmentary relic of the high level, or Bháver, to which the saul tree adheres with undeviating uniformity.

† Conspicuous instances occur round Dinajpúr and north-west and north-east of Silliguri in Rangpúr, where are found highly undulated downs, here and there varied by flat-topped detached hillocks, keeping the level of the loftiest part of the undulated surface. Looking into the clear bed of the Tishtha, it struck Dr. Hooker and myself at the same moment, how perfectly the bed of the river represented in miniature the configuration of these tracts, demonstrating to the eye their mode of origination under the sea.

‡ The climate of that portion of the Eastern Himalayas, which is screened from the south-west monsoon by the mountains South of Assam, is less humid than the rest, precisely as are the inner than the outer parts of the whole chain. The fact, that much less snow falls at equal heights in the humid Eastern than in the dry Western Himalayas, depends on other causes. Darjeeling has not half as much snow as Simla.
GEOGRAPHY OF THE HIMALAYA.

as to the true name of the Kāli) to their partial Trans-Himalayan sources. And I confess it seems to me, that perspicuity is by no means served by undue insistency on that feature of our rivers. Captain Herbert was thus led to travel beyond his proper limits with a result by no means favourable; for, it appears to me, that he has confounded rather than cleared our conceptions of Central Asia as the Bām-i-dūnya (dome of the world) by attempting to detach therefrom that most characteristic part of it, the plateau of Tibet, because certain Indian rivers have (in part) Tibetan sources! My theory of water-sheds does not incline me to venture so far into regions too little known, to allow of the satisfactory settlement of the question, and the less so, insomuch as the rivers I have to speak of would not afford so plausible an excuse for so doing, as if I had to treat of the Indus, Sutlej,* and Brāhmapūtra abas Sānpu.† The Arun and the Kamāli, though they draw much water from Tibet, draw far more from the "pente meridionale" of the Himalaya, or the ghāt line and all South of it; and this is yet more true of the Ganges, the Mōnas and Tīhita, though they also have partial Trans-Himalayan sources. To those sources of the several Himalayan (so I must call them) rivers above treated of, I will now summarily advert:—

The Mōnas.—It is by much the largest river of Bhūtān, which state is almost wholly drained by it. It has (it is said) two Tibetan sources, one from Lake Yāmdotso vel Pálté vel Yarbroyum, which is a real lake, and not an island surrounded by a ring of water as commonly alleged—the other, from considerably to the West of Pálté. These feeders I take to be identical with Klaproth’s Mon-techú and Nai-techú vel Lābnak-techú, strangely though he has dislocated them.

The Tīhita is also a fine river, draining the whole of Sikim, save the tracts verging on the plains. The Tīhita has one Tibetan source, also, from a lake, viz., that of Cholāmī. To speak more precisely, there are several lakes so named, and they lie close under the N. W. shoulder of Pōwbānry, some thirty miles W. and forty S. of Turner’s lakes.

The Arūn is the largest of all the Himalayan rivers, with abundant Cis-Himalayan and three Trans-Himalayan feeders. One, the Western, rises from

* Recte Saliy vel Satundra.
† Dr. Gutzlaff, once read a paper before the Geographical Society of London, and rectified Klaproth’s notion, that the Sānpu is not the Brāhmapūtra. But Mr. Gutzlaff overlooked J. Prime’s important, and I think decisive, argument on the other side, viz., that the Brāhmapūtra discharges three times more water than the Ganges, which it could not do if it arose on the north-east confines of Assam, notwithstanding the large quantity of water contributed by the Mōnas. Yārū or Yerū (Erū) is the proper name of the river we call Sānpu, which latter appellation is a corruption of the word Tsang-po,† referring either to the principal province (Tsang) watered by the Yārū, or to the junction therewith, at Digarchī, of another river called the Tsang, which flows into the Yārū from the Nyingchen chain or Northern boundary of Southern Tibet. Erū vel Arū is the proper spelling. But words beginning with the vowels ā and ē, take initial y in speech. I take this occasion to observe, in reference to the Yāmdo lake above mentioned, that it is not, as commonly described and delineated in our maps, of a round shape, but greatly elongated and very narrow. It is stated to me on good authority to be eighteen days’ journey long (say 180 miles), and so narrow in parts as to be bridged. It is deeply frozen in winter, so as to be safely crossed on the ice, whereas the Erū river is not so, owing to the great force of its current — a circumstance proving the rapid declivity of the country watered by this great river.

*[Tsang po means simply ‘river,’ and should not be called Sānpu but Tsang po.—J. S.]
GEOGRAPHY OF THE HIMALAYA.

the "pente septentrionale" of the Himalaya, in the district of Tingri or Pékhu; another, the Northern, from a place called Dürre; and a third, the Eastern, from the undulated terraced and broken tract lying N. and a little W. of Chôlamú and S. of Kang-bala, or the great range which bounds the valley of the Yárú* on the S. from W. of Digarchi to E. of Lhasa.

The Karná is much larger than the Alpine Ganges, and nearly equal to the Arúñ, perhaps quite so. It drains by its feeders the whole Himalaya between the Nanda-dévi and Dhoula-giri peaks, and has itself one considerable Tibetan source deduced either from the north face of Himáchal near Mononangli, or from the east face of that crescented sweep, whereby Gángrí nears Himáchal, and whence the Karná flows eastward to the Taklakhá pass.

The Ganges also has of late been discovered to have one Tibetan feeder, viz., the Jânhavi, which after traversing a good deal of broken country in Gnári, between the Sutlej and the Himalaya, passes that chain at the Nilang Ghát to join the Bhágarathi.

I will conclude this paper with the following amended comparative table of Andean and Himalayan peaks, Baron Humboldt having apprised me that Pentland's measurements, as formerly given by me, have been proved to be quite erroneous, and Colonel Waugh having recently fixed Kangchan and Chumalhári with unrivalled precision and accuracy:—

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aconcagua .......... 23,000</td>
<td>Jamnoutri .......... 25,669</td>
</tr>
<tr>
<td>Chimbarazo .......... 21,424</td>
<td>Nanda-dévi .......... 25,598</td>
</tr>
<tr>
<td>Sorato ............... 21,286</td>
<td>Dhoula-giri .......... 27,600</td>
</tr>
<tr>
<td>Illimani .......... 21,149</td>
<td>Gosain-thán .......... 24,700</td>
</tr>
<tr>
<td>Desabasado .......... 21,100</td>
<td>Dévadhúnga .......... 29,002</td>
</tr>
<tr>
<td>Desya-cassada ....... 19,670</td>
<td>Kangchan .......... 28,178</td>
</tr>
<tr>
<td></td>
<td>Chumalhári .......... 28,929</td>
</tr>
</tbody>
</table>

N.B.—Dévadhúnga vel Bháfraváthá vel Nyanam, half way between Gosain-thán and Kangchan, is 29,002, ft. determined in 1866. Kang-chan, 'abounding in snow.' Chûmâhári, 'holy mountain of Chûmâ.' These are Tibetan words; the other names are Sanskritic, but set down in the Prakritic mode, e.g., Jamnavatari equal to Jamnoutri, etc.

POSTSCRIPT.—That sensible and agreeable writer, Major Madden, in a letter (May 1840) to Dr. Hooker, notices "the disgraceful state of our maps of the

*The valley of the Yárú is about sixty linear miles from the Sikkim Himalaya (Lâchén and Donkia passes); but the intermediate country, called Damsen, is so rugged, that it is ten stages for loaded yaks from the one terminus to the other. Damsen is stated to be one of the most rugged and barren tracts in the whole of Utsing or Central Tibet, a howling wilderness.—Hooker.


§ Humboldt, in his Aspects of Nature, has given some further corrections of those heights. There are three peaks superior to Chimbarazo, but inferior to Aconcagua.
Himálaya, which insert ridges where none exist, and omit them where they do exist; and moreover, in regard to all names, show an utter ignorance of the meaning of Indian words." It is the express object of the above essay to contribute towards the removal of the weightier of those blemishes of our maps, without neglecting the lesser, by exhibiting, in their true and causal connexion, the great elevations and the river basins of the Himálaya. Major Madden supposes that the term Hyündés, which he applies to Tibet, points to that region as the pristine abode of the Huns. But this is a mistake. Hyún-dés is a term unknown to the language of Tibet. It is the equivalent in the Khas or Parbatia language* for the Sanskrit Himyádés, or land of snow. Its co-relative term in the Parbatia tongue is Khas-dés, or land of the Khas. The Khas race were till lately (1810) dominant from the Satluj to the Tishta: they are so still from the Káli to the Méchi. Hence the general prevalence of geographic terms derived from their language. By Hyún-dés the Parbatias mean all the tracts covered ordinarily with snow on both sides of the crest or spine of Hemáchar, or the ghát line; and by Khas-dés, all the unsnowed regions south of the former, as far as the Sandstone range.

The Brāhmans and those who use Sanskrit call the Hyún-dés, Bhútánt or appendage of Bhút, and hence our maps exhibit a Bhútánt in what Traill denominates (A. R. vol. 10) the Bhote perganahs of Kúmán. But Bhútánt is not restricted by the Bráhmans to such perganahs in Kúmán merely, far less to any one spot within them. It includes all the districts similarly situated along the entire line of the Himálaya. We might create confusion however by recurring to his extended meaning of the word, since it has long been restricted by us to the Déb Rájah's territory, or Bhútán (recte Bhútánt). Moorcroft's Giannak in Western Tibet is the ne plus ultra of abuse of words. Far to the east, some Bhótia must have told him, lie the Gyannak or Chinese, and thereupon he incontinently gives this term as a name of place.

The Tibetans call their neighbours by the generic name Gya, to which they add distinctive affixes, as Gya-nak, black Gya; alias Chinese: Gya-ver, yellow Gya; alias Russians; and Gya-gar, white Gya, alias Hindús. With reference to the Huns, if I were in search of them in Tibet, I should look for them among the Hor of that country, as I would for the Scythians among the Sóg vel Sók. Sógiana or Sógland was, I conceive, the original Zakeia, the first known historic seat of the Indian Sákás and Tibetan Sóg vel Sók. Hórsok, as one term, means Nomade, in Tibetan such being still the condition of those two tribes in Tibet.

* For a sample of this tongue, which has a primitive base, but overlaid by Prascrit, see J. A. S. B. No. 191, June 1848.

† Observe that these epithets do not refer to the colour of men, but only to that of their dress; the Chinese are fond of black clothes and the Indians universally almost wear white ones. The like is probably equally true of similar designations of Turanian tribes in various other parts of the vast Tartaric area (e.g. Red Karens), though Ethnic theories have been spun out of the other interpretation of these distinctive terms.
The following paper was written in 1847. It was then presented to the Asiatic Society of Bengal, as a summary view of the affinities of these tribes as deduced from a tolerably copious comparison of their languages or dialects.

Accordingly, I submitted a comparative vocabulary of twelve of the dialects found in the Central* sub-Himalayas, inclusive; for comparison's sake, of the written as well as spoken language of Tibet, it being of much importance to give this language in both forms; first, because it is employed in the former state with many unuttered letters, and second, because all the dialects or tongues with which it is to be compared exist only (with two exceptions§) in the latter or unwritten and primitive state.

With regard to the English vocabularies selected, I have adopted those of Mr. Brown, in order to facilitate comparisons with the Indo-Chinese tongue, as exemplified by him; but, to his nouns substantive, I have added some pronouns, numerals, verbs, adverbs, prepositions, conjunctions, and adjectives, under the impression that nothing short of such a sample of each of the parts of speech could at all suffice for the attainment of the end in view. Geographically or topically, I have confined myself to the East of the river Káli or Ghagra, as well because the dialects prevailing to the Westward of that river are for the most part extremely mixed, and indeed almost merged in the ordinary tongues of the plains of Hindústhán, as also because I have no immediate access to the people of the West. The case is very different in the Eastern sub-Himalayas, where I was domiciled, and where, as will be seen, the Indian Prakrits have hardly been able to make a single cognizable impression upon any of the numerous vernaculars of the people, with the sole exception of the Kháľ or Parbattia Bhásha, which, as being a mongrel tongue I have omitted. I have likewise, for the present, omitted some interesting tongues of a genuinely aboriginal character, which are spoken East of the Káli, either by certain forest tribes existing in scanty numbers, nearly in a state of nature, such as the Chépáng and Kásündás, or by certain other peculiar and broken tribes, such as the Háyu, the Kúsár, the Botías, the Déwár, Dúrē or Dahí, Bhámu, Tháru, and Bóka, who cultivate those low valleys from which malaria drives the ordinary

*I formerly spoke of the Himalaya, as divided lengthwise (north-west to south-east) into Western and Eastern. I now regard it as divided into Western (Indus to Káli), Central (Káli to Tishta), and Eastern (Tishta to Bráhmakúnd) portions. The present paper treats of the Central Himalaya. Breadthwise the chain is regarded as divided into the Northern, Middle, and Southern regions, the word region being always added to contra-distinguish the latter demarcation. Himalaya properly speaking is the perpetually snowed part of the chain. I used to contra-distinguish the lower part or southern slope by the term sub-Himalaya. But objections having been raised, I now acquiesce in the term Himalaya as applied to the whole.

§The exceptions are the Néwári and Lepsha, which form the topic of my second essay.
ABORIGINES OF THE HIMALAYA.

population, or, lastly, by several races of halotic craftsmen* whose habitat is general.

That ordinary population, exclusive of the now dominant Khas or Parbatias Proper,† above alluded to, consists, between the Kāli and the Dhanari, in Népāl, Sikim, and Bhūtan of; 1st. Cia-Himālayan Bhūtias vel Tibetans, called Rongbo, Siāna or Kāth Bhūtis, Palu Sēns,‡ Sēpa or Sharpa etc.; 2nd. Sūnwar; 3rd. Gūrung, 4th. Magar; 5th. Mūrmi; 6th. Nēwār; 7th. Kirānti; 8th. Limbu vel Yak thūmsa; 9th. Lepcha or Dednjong-marao; 10th. Bhūtanese or Lhōpa vel Dūkpa.||

I have enumerated the races as they occur, in tolerably regular series, from west to east, in given and definite locations of old standing: but the first named are found pretty generally diffused throughout the whole extent, west and east, of my limits, though confined therein to the juxta-nivean tracts or Cachar region; whilst the participation of the Gūrungs and Magars, or military tribes, in the recent political successes of the now dominant Khās, has spread them also, as peaceful settlers, in no scanty numbers, easterly and westerly, from the Kāli to the Mōchi. The rest of the tribes have a more restricted fatherland or janam bhūmi, and indeed the locale of the Magars and Gūrungs, not a century back, or before the conquests of the House of Gūrkha, was similarly circumscribed; for the proper habitat of these two tribes is to the west of the great valley, which tract again, (the valley), and its whole vicinitty, is the region of the Mūrmis and Nēwārs; whilst the districts east of the great valley, as far as Sikim, are the abode of the Kirāntis and Limbās, as Sikim is that of the Lepchas, and Dēva Dharma or Bhūtan that of the Lhōpas or Dūkpas, usually styled Bhūtanese by us. These constitute, together with the Sūnwar, who again are mostly found west of the great valley and north of the Magars and Gūrungs, near and among the cis-nivean Bhūtias,§ the principal alpine tribes of the sub-Himālayan between that western point (the Kāli) where the aboriginal tongues are merged in the Prākrkts and that eastern limit (the Dhanari) where they begin to pass into so-called monosyllabic-tongued races of presumed Indo-Chinese origin.|| The sub-Himālayan races I have just enumerated inhabit all the central and temperate parts of those mountains, the juxta-nivean or northernmost tracts being left to the Rongbo vel Sēpa vel Pālu

* See p. 14, part ii. of this volume, subpra, and note.
† Parbatia means 'Highlander,' but this general sense of the word is restricted by invariable usage to the Khās. §
‡ The Nēwārs of Nēpāl Proper call the cis-nivean Bhūtias, Pāli Śēn, and the trans-nivean, Thā Śēn. The Chinese call the Mongolian Tartars, Thā Thā.

|| Lhōpa is a territorial designation, Dūkpa a religious, that is, the country is called Lhō, and the sect of Lamaism prevailing in it, Dūk. Klaproth's Lokabálja, and Ritter's Lokba, are both equivalent to Bhūtan vel Lhō. The postfix ba means 'of, or belonging to,' so that Lokba, recte Lhōpa, is 'a Bhūtanese man or native of Lhō.'

§ Bhūtis is the Sanskrit, and Tibetan the Persian, name, for the people who call themselves Bodpa, or Bod, a corruption possibly of the Sanskrit word Bhūt.

|| More recent researches induce me to demur entirely to a trenchantly demarked monosyllabic class of tongues, and to adopt the opinion that India (Draviriai) and the countries around it on the north and north-east were peopled by successive incursions of affiliated tribes of Northmen, among whom I see no sufficient reason to segregate from the rest, as is commonly done, the Bodpas of Tibet, the Eastern Himalayans, nor even the proximate Indo-Chinese or people of Western Indo-China.
ABORIGINES OF THE HIMALAYA.

Sén, and the southernmost parts, as well as the low valleys of the interior and central region, being abandoned to the Kúswára, Dénwára, Dúrres, and other malaria-defying tribes, which, for the present, I do not purpose to notice. The people under review therefore may be said to occupy a highly healthful climate, but one of exact temperatures as various as the several elevations (four to ten thousand feet) of the ever-varied surface; and which, though nowhere troubled with excessive heat,\$ is so by excessive moisture, and by the rank vegetation that moisture generates, with the aid of a deep fat soil, save in the Cachár or juxta-nivean region, where the lower temperature and poorer scantier soil serve somewhat to break the protracted transition from the thrice luxuriant sub-Himálayas to the thrice arid plains of Tibet.

That the sub-Himálayan races are all closely affiliated, and are all of northern origin, are facts long ago indicated by me,* and which seem to result with sufficient evidence from the comparative vocabularies now furnished. But to it linguistic evidence in a more ample form will however in due time be added, as well as the evidence deducible from the physical attributes, and from the creeds, customs and legends of these races. It must suffice at present to observe that the legends of the dominant races indicate a transit of the Himálaya from thirty-five to forty-five generations back—say 1,000 to 1,300 years, and that I prefer the remoter period because the transit was certainly made before the Tibetans had adopted from India the religion and literature of Buddhism, in the seventh and eighth centuries of our era. This fact is as clearly impressed upon the crude dialects and cruder religious tenets of the sub-Himálayans as their northern origin is upon their peculiar forms and features, provided these points be investigated with the requisite care; for superficial attention is apt to rest solely upon the Lamaism recently as imperfectly imported among them, and upon the merely exceptional traits of their mixed and varying physiognomy. That physiognomy exhibits, no doubt, generally and normally, the Scythic or Mongolian type (Blumenbach) of human kind, but the type is often much softened and modified, and even frequently passes into a near approach to the full Caucasian dignity of head and face, in the same perplexing manner that has been noticed in regard to the other branches of the Allophylian tree,\$ though among the Cis-or Trans-Himálayans there is never seen any greater advance towards the Teutonic blond complexion than such consists in occasional ruddy moustaches and grey eyes among the men, and a good

§ See Prichard, Vol. IV. pp. 323, 344, 356, and Humboldt's *Asia Centrál* 262 and 133. Who could suppose the following description referred to a Scythian race?

"*Cuncto albo colore est aegre pulchritudine et forma insigné."


\$ In the great valley of NépáI, which has a very central position and a mean elevation of 4,500 ft., the maximum of Fahr. in the shade is 80°.
deal of occasional bloom upon the cheeks of the children and women. A pure white skin is unknown, and the tint is not much less decided than in the high caste Hindus; but all are of this pale brown or isabelline hue in Tibet and the sub-Himalaya, whilst the many in the plains of India are much darker. The broken or depressed tribes above alluded to passed the Himalaya at various periods, but all long antecedent to the immigration of the dominant tribes, and prior to the least whisper of tradition; and the linguistic and physical traits of these broken tribes, as might be expected, constitute several links of connexion between the Altaic tribes on the north and the Dravirian on the south. The general description of the Himalayan tribes, both of earlier and later immigration is as follows:—head and face very broad, usually widest between the cheek-bones, sometimes as wide between the angles of the jaws; forehead broad, but often narrowing upwards; chin defective; mouth large and salient, but the teeth vertical and the lips not tumid; gums, especially the upper, thickened remarkably; eyes wide apart, flush with the cheek, and more or less obliquely set in the head; nose pyramidal, sufficiently long and elevated, save at the base, where it is depressed so as often to let the eyes run together, coarsely formed and thick, especially towards the end, and furnished with large round nostrils; hair of head copious and straight; of the face and body deficient; stature rather low, but muscular and strong. Character phlegmatic, and slow in intellect and feeling, but good-humoured, cheerful and tractable, though somewhat impatient of continuous toil. Polyandry yet exists partially, but is falling out of use. Female chastity is little heeded before marriage, and drunkenness and dirtiness are much more frequent than in the plains. Crime is much rarer, however, and truth more regarded, and the character on the whole amiable. The customs and manners have nothing very remarkable, and the creed may be best described by negatives. Indifference is the only, but heretofore effective obstacle to indoctrination by Brahmanical, Buddhist, or Christian teachers, so that the Scottish phrase "we cannot be fashed" seems best to describe the prevalent feeling of the Himalayan tribes on this, as on many other matters. The whole population is intensely tribal, some races still bound together by a common appellation, as the Kirantis for example, being nevertheless divided into several sects, distinguished from each other by strongly marked dialects, non-intermarriage, and differences of customs, whilst the tribes which bear distinct names are still more palpably separated in those respects. But the barrier of caste, in the true sense, is unknown, and on the other hand there exists not in any tribe, race or nation, any notion of a common human progenitor, or eponymous deity. The general status of all the tribes and races is that of nomadic cultivators. "Arva in annos mutant et superest ager" is as true now of the Himalayan tribes as it was of our ancestors when they burst the barrier of the Roman Empire. A few tribes, such as the Newar, have long become stationary cultivators; and the Gurungs are still, for the most part, pastoral. There are no craftsmen, generally speaking, *The instance of the Gorkhalis, who undoubtedly derive their appellation from the demi-God Gorakh (Goraksha) Nath, is only a seeming exception, recent and borrowed.
ABORIGINES OF THE HIMALAYA.

proper to these tribes, stranger and helot races, located among them for ages untold, being their smiths, carpenters, curriers, potters, &c., and the women of each tribe being its domestic weavers. The Néwars alone have a literature, and that wholly exotic; and they alone have made any attempts at the fine arts, in which they have followed chiefly Chinese, but also Indian, models.

Before concluding this notice of the Alpine Indian aborigines, it may be as well to define summarily the limits and physical characters of their original and adopted abodes, or Tibet and the Sub-Himalayas. Tibet is a truncated triangular plateau, stretching obliquely from south-east to north-west, between 28° and 36° of north latitude and 72° and 102° of east longitude. It is cold and dry in the extreme, owing to its enormous elevation, averaging 12,000 feet above the sea, to the still greater height of those snowy barriers which surround it on every side, and which on the south reach 29,000 feet, to an uncommon absence of rain and cloud, to the extreme rarification of its atmosphere, to its saline and sandy soil, and as a consequence of all these a reciprocating cause too, to the excessive scantiness of its vegetation. It is bounded on the south by the Helamchial, on the north by the Kuenlun, on the west by the Belur, and on the east by the Yünling—all for the most part perpetually snow-clad, and of which the very passes on the south average 16,000 to 17,000 feet of elevation. Tibet is, for the most part, a plain and a single plain, but one extremely cut up by ravines, varied much by low bare hills, and partially divided in its length by several parallel ranges approaching the elevation of its barriers, and between the third and fourth of which ranges stand its capitals of Lhassa and Digarchi.* These capitals are both in the central province of the Utsang, all west of which, to the Belur, composes the province of Nári, and all east of it, to Sifán, the province of Khám, provinces extending respectively to Bukharia and to China. Tibet, however arid, is nowhere a desert,§ and however secluded, is on every side accessible; and hence it has formed in all ages the great overland route of trade, and may even be called the grand ethnic, as well as commercial, highway of mankind; its central position between China, India, and Great Bukharia having really rendered it such for ages, before and since the historic era, despite its snowy girdle and its bleak aridity. Hence we learn the supreme importance of Tibet in every ethnological regard. Its maximum length is about 1,800 miles, and maximum breadth about 480 miles; the long sides of the triangle are towards India and Little Bukharia; the short one, towards China; the truncated apex towards Great Bukharia, where the Belur, within the limits of Tibet, has an extent of only one degree, or from 35° to 36° N. lat.; whereas the base towards China, along the line of the Yünling, reaches through 8° or from 28° to 30° N. lat. Just beyond the latter point, in the north-east corner of Khám, is Siling or Tangut, the converging point of all the overland routes, and which I should prefer to include ethnologically within

* De Körös from native written authority apud J. A. S. B.
§ In the next plateau of High Asia, or that of Little Bukharia, the vast desert of CoBi or Gobi, which occupies the whole eastern half of that plateau, has ever formed, and still does, a most formidable obstruction to transit and traffic.
ABORIGINES OF THE HIMALAYA.

Tibet, but for the high authority of Klaproth, who insists that we have here a distinct* language and race, though certainly no such separating line in physical geography, Siling or Tangut being open to the plateau of Tibet as well as to those of Little Bukhara and Songaria though demarked from China both on the north and east by the K'i-lian and Feling respectively.

South of the whole of Tibet, as above defined, lie the Sub-Himalayas, stretching from Gilgit to Brâhmakând, with an average breadth of ninety miles, divided climatically into three pretty equal transversal regions, or the northern, the central, and the southern, the first of which commences at the ghat line of Hamáchal, and the last ends at the plains of Hindoostan; the third lying between them, with the great valley of Népâl in its centre. That valley is of a lozenge shape, about sixteen miles in extreme length and breadth, cultivated highly throughout, and from 4,200 to 4,700 feet above the sea. The only other valley in the whole eastern half of the Sub-Himalayas is that of Jumâl, which is smaller and higher, yielding barley (Herdem celeste) as the great valley, rice. To the west is the large but single vale of Cashmere and the Dùne, both too well known to require further remark. The sub-Himalayas form a confused congeries of enormous mountains, the ranges of which cross each other in every direction, but still have a tendency to diverge like ribs from the spine of the snows, or a south-east and north-west diagonal, between 28° and 35°. Those mountains are exceedingly precipitous and have only narrow gans dividing their ridges, which are remarkable for continuity or the absence of chaos and rupture and, also for the deep bed of earth everywhere covering the rock and sustaining a matchless luxuriance of tree and herb vegetation, which is elicited in such profusion by innumerable springs, rills, and rivers, and by the prevalence throughout all three regions of the tropical rains in all their steadiness and intensity. There are three or four small lakes in Kâmáun situated near each other, and three or four more in Pókâ similarly juxtaposed. But in general the absence of lakes (as of level dry tracts) is a remarkable feature of the Sub-Himalayas at present, for anciently the great valleys of Cashmere and Népâl, with several others of inferior size, were in a lacustrine state. The great rivers descend from the snows in numerous feeders, which approach gradually and unite near the verge of the plains, thus forming a succession of deltic basins, divided by the great snowy peaks as water-sheds, thus:—

**Basins.**

1. Alpine Gangetic basin.*
2. , Kârmâlic basin.
3. , Gandæean basin.
4. , Cósian basin.
5. , Tishtan basin.
6. , basin of the Mónas.

**Peaks.**

Nânda-dévi.
Dhavalagîri.
Gosain-thân.
Kângchânjûnga.
Chumâlârî.
The Gemini, two unnamed peaks.

* Siling or Tangut is in Sôk-yul or the country of the Mongol tribe.

* It must be admitted, however, that the Payam Khar of Klaproth seems to divide Khâm from Tangut. Klaproth cites Chinese geographers.

* See the article on "Geography of the Himalaya."
ABORIGINES OF THE HIMALAYA.

In the two first of these five regions, all of which are plainly indicated by the distribution of the waters, the people are mongrel and mixed, save in the north-west part, where the Pan Sén or cis-nivean Bhodzi, the Garhwali, and the inhabitants of Kanâver and Hanguang are of Tibetan stock. The third, or Gandacian basin (Sapt Gandaki in native topography, from the seven chief feeders,) is the seat of the Sunwârâ, Gurung, and the Magars. The fourth, or Câsonian basin, (Sapt Coueika in native topography, after the seven chief feeders,) is the abode of the Kirânts and Limbús. The fifth or Tsihtan basin, again, is the fatherland of the Deunjongmaro, and the sixth that of the Pru or Lhôpâ, that is, Lepchas and Bhütanese, respectively. And, lastly, the high and level space—(a system of valleys around the great one, which is nearly 5,000 ft. above the sea)—between the basins of the Gandak and Câsâ is the seat of the Nêwârâ and Mûmâs. But observe that the terms level space and system of valleys, applied to this last tract, are merely relative, though as such significant, nor meant to be contradictory of what has been above remarked, more generally, as to the whole Sub-Himâlayas. And here I should add that the best representation of the Himâlayas and Sub-Himâlayas is by a comparison with the skeleton of the human frame,** in which the former are analogous to the spine and the latter to the ribs. The Sub-Himâlayas therefore are transverse rather than parallel ridges, as above stated, or, at all events, their main ridges diverge more or less rectangularly from the ghât line, so as to unite the several great streams, but still with an irregularity which close observance of the aqueous system can alone reveal. The ruggedness of the surface, by preventing all inter-communication of a free kind, has multiplied dialects: the rank pasture, by its ill effect on herds and flocks, has turned the people's attention more exclusively than in Tibet to agriculture, though even in Tibet the people are mostly non-nomadic,* heat and moisture, such as Tibet is utterly void of, have relaxed the tone of the muscles and deepened the hue of the skin, making the people grain-eaters and growers rather than carnivorous tenderers of flocks. Thus the Câs-Himâlayans are smaller, less muscular, and less fair than the Trans-Himâlayans; but the differences are by no means so marked as might have been expected; and though there are noticeable shades of distinction in this respect between the several tribes of the Câs-Himâlayans according to their special affinities, as well as between most of them and the North-men, according to their earlier or later immigration, yet if they all be (as surely they

*Pru is the Lepaha name of the Bhütanese, whom the Hindu Shastras designate Plava, and themselves, Lhôpâ.

**Professor Miller (opus Bunsen's Philosophy of Language), grounding on my Essay on the Physical Geography of the Himâlayas, has likened the whole to the human hand with the fingers pointing towards India. The ghât line with its great peaks is assimilated to the knuckles, the dips between being the passes; and the three transverse Sub-Himâlayan regions, extending from the ghâts to the plains, are likened to the three joints of the fingers.

*Within the limits of Tibet are found abundance of nomades of Mongol and Turkish race, called respectively Sôkpo and Hôr by the Tibetans, who themselves seem much mixed with the latter race, which has long exercised a paramount influence in North Tibet: witness the facts that all its hill ranges are tagha, and all its lakes ser, both Turki words.
ABORIGINES OF THE HIMALAYA.

are) of the same Turanian origin, it must be allowed that very striking differences of climate and of habits, operating through very many generations, can produce no obliterator effects upon the essential and distinctive signs of race. But this is, in part, speculation, and I will terminate it by remarking that, for the reasons above given, my investigations have been limited to that portion of the Sub-Himalayas which lies between the Káli and the Dhaneri, or say 80⁴° to 92⁴° of East longitude and 28⁴° to 30⁴° of North latitude.
ON THE MILITARY TRIBES OF NEPAL.

3. ORIGIN AND CLASSIFICATION OF THE MILITARY TRIBES OF NEPAL.

(Read before the Bengal Asiatic Society, 9th January, 1833.)

The great aboriginal stock of the inhabitants of these mountains, east of the river Kālī, or in Nepal, is Turanian. The fact is inscribed, in characters so plain, upon their faces, forms, and languages, that we may well dispense with the superfluous and vain attempt to trace it historically in the meagre chronicles of barbarians.

But from the twelfth century downwards, the tide of Mūsulmān conquest and bigotry continued to sweep multitudes of the Brahmins of the plains from Hindūdūta into the proximate hills, which now compose the western territories of the kingdom of Nepal. There the Brahmins soon located themselves. They found the natives illiterate, and without faith, but fierce and proud.

Their object was to make them converts to Hindūism, and so to confirm the fleeting influence derived from their learning and politeness. They saw that the barbarians had vacant minds, ready to receive their doctrines, but spirits not apt to stoop to degradation, and they acted accordingly. To the earliest and most distinguished of their converts they communicated, in defiance of the creed they taught, the lofty rank and honors of the Kshatriya order. But the Brahmins had sensual passions to gratify, as well as ambition. They found the native females—even the most distasteful—nothing loath, but still of a temper, like that of the males, prompt to repel indignities. These females would indeed welcome the polished Brahmins to their embraces, but their offspring must not be stigmatised as the infamous progeny of a Brahman and a Mīchcha—must, on the contrary, be raised to eminence in the new order of things proposed to be introduced by their fathers. To this progeny also, then, the Brahmins, in still greater defiance of their creed, communicated the rank of the second order of Hindūism; and from these two roots, mainly, sprung the now numerous, predominant, and extensively ramified, tribe of the Khas—originally the name of a small clan of creedless barbarians, now the proud title of the Kshatriya, or military order of the kingdom of Nepal. The offspring of original Khas females and of Brahmins, with the honors and rank of the second order of Hindūism, got the patronymic titles of the first order; and hence the key to the anomalous nomenclature of so many stripes of the military tribes of Nepal is to be sought in the nomenclature of the sacred order. It may be added, as remarkably illustrative of the lofty spirit of the Parbattias, that, in spite of the yearly increasing sway of Hindūism in Nepal, and of the various attempts of the Brahmins in high office to procure the abolition of a custom so radically opposed to the creed both parties now profess, the Khas still insist that the fruit of commerce (marriage is out of the
ON THE MILITARY TRIBES OF NEPAL.

question) between their females and males of the sacred order shall be ranked as Kshatryias, wear the thread, and assume the patronymic title.

The original Khas, thus favoured by it, became soon and entirely devoted to the Brahmanical system.* The progress of Islam below daily poured fresh refugees among them.

They availed themselves of the superior knowledge of the strangers to subdue the neighbouring tribes of aborigines, were successful beyond their hopes, and, in such a career continued for ages, gradually merged the greater part of their own habitat, ideas, and language (but not physiognomy) in those of the Hindüs.

The Khas language became a corrupt dialect of Hindi, retaining not many palpable traces (except to curious eyes) of primitive barbarism.

An authentic anecdote told me at Kathmándú confirms the origin above assigned to the modern Khas tribe of Népál. In the reign of Ram Sah of Gorkhá, an ancestor of the present dynasty of Népál, an ambassador was sent from the Durbar of Górkah to that of Mewáir, to exhibit the Górkháli Rajah's pedigree and to claim recognition of alleged kindred. The head of the renowned Sesodians, somewhat staggered with the pedigree, seemed inclined to admit the relationship, when it was suggested to him to question the ambassador about his own caste as a sort of test for the orthodoxy or otherwise of the notions of caste entertained in the far distant, and, as had always at Chitor or Udaypur been supposed, barbarous Hímálaya. The ambassador, a Khas, who had announced himself as belonging to the martial tribe, or Kshatriya, thus pressed, was now obliged to admit that he was nevertheless a Pándé, which being the indubitable cognomen of a tribe of the sacred order of Hindúism, his mission was courteously dismissed without further enquiry.

The Kháthráiás are the descendants more or less pure of Rájpút and other Kshatriyas of the plains, who sought refuge in these mountains from the Moghul, or merely military service as adventurers. With fewer aims of policy, and readier means in their bright swords of requiting the protection afforded them, than had the Brahmanas, they had less motive to mix their proud blood with that of the vile aborigines than the Brahmanas felt the impulse of, and they did mix it less. Hence, to this hour, they claim a vague superiority over the Khas, notwithstanding that the pressure of the great tide of events around them has, long since, confounded the two races in all essentials. Those among the Kshatriyas of the plains, who were more lax, and allied themselves with the Khas females in concubinage, were permitted to give to their children, so begotten, the patronymic title only, not the rank. But their children, again, if they married for two generations into the Khas, became pure Khas, or real Kshatriyas in point of privilege.

* That is, they agreed to put away their old gods, and to take the new; to have Brahmanas for Gurus; and not to kill the cow; for the rest they made, and still make, sufficiently light of the ceremonial law in whatever respects food and sexual gratification. Their active habits and vigorous character could not brook the restraints of the ritual law, and they had the example of licentious Brahmanas to warrant their neglect of it. The few prejudices of the Khas are useful, rather than otherwise, inasmuch as they favour sobriety and cleanliness.
and rank, though no longer so in name! They were Khas, not Kshatriyas, and yet they bore the proud cognomina of the martial order of the Hindus, and were, in the land of their nativity, entitled to every prerogative which Kshatriya birth confers in Hindustan!

Such is the third and less fruitful root of the Khas race.

The Ekthariahs speak the Khas language, and they speak no other.

The Thakurs differ from the Ekthariahs only by the accidental circumstance of their lineage being royal. At some former period, and in some little state or other, their progenitors were princes.

The Sahi or Sah are the present royal family.

The remaining military tribes of the Parbattias are the Magar and Gurung, who now supply the greater number of the soldiers of this state.

From lending themselves less early and heartily to Brahmanical influence than the Khas, they have retained, in vivid freshness, their original languages, physiognomy, and, in a less degree, habits.

To their own untaught ears their languages differ entirely the one from the other, and no doubt they differ materially, though both belonging to the unpronominalized type of the Turanian tongues. Their physiognomies, too, have peculiarities proper to each, but with the general caste and character fully developed in both. The Gurungs are less generally and more recently redeemed from Lamdim and primitive impurity than the Magars.

But though both the Gurungs and Magars still maintain their own vernacular tongues, Tartar faces, and careless manners, yet, what with military service for several generations under the predominant Khas, and what with the commerce of Khas males with their females,* they have acquired the Khas language, though not to the oblivion of their own, and the Khas habits and sentiments, but with sundry reservations in favor with pristine liberty. As they have, however, with such grace as they could muster, submitted themselves to the ceremonial law of purity and to Brahman supremacy, they have been adopted as Hindus. But partly owing to the licenses above glanced at, and partly by reason of the necessity of distinctions of caste to Hindutam, they have been denied the thread, and constituted a doubtful order below it, and yet not Vaisya nor Sudra, but a something superior to both the latter—what I fancy it might puzzle the Sastris to explain on Hindut principles.

The Brahmans of Nepal are much less generally addicted to arms than those of the plains; and they do not therefore properly belong to our present subject. The enumeration of the Brahmans is nevertheless necessary, as serving to elucidate the lineage and connexions of the military tribes, and especially of the Khas.

The martial classes of Nepal are, then, the Khas, Magar, and Gurung, each com-

---

* Here, as in the cases of the Brahman and Khas, and Kshatriya and Khas, there can be no marriage. The offspring of a Khas with a Magari or Gurungni is a titular Khas and real Magar or Gurung. The descendants fall into the rank of their mothers and retain only the patronymic.
praising a very numerous race, variously ramified and sub-divided in the manner exhibited in the following tabular statement.

The original seat of the Khas is ordinarily said to be Görkhá,* because it was thence immediately that they issued, some years ago, under the guidance of Prithvi Narayan, to acquire the fame and dominion achieved by him and his successors of the Görkháli dynasty.

But the Khas were long previously to the age of Prithvi Narayan extensively spread over the whole of the Chaublasa, and they are now found in every part of the existing kingdom of Nepal, as well as in Kúmáun, which was part of Nepal until 1816. The Khas are rather more devoted to the house of Görkhá, as well as more liable to Brahmanical prejudices than the Magars or Gúrungs; and, on both accounts, are perhaps somewhat less desirable as soldiers for our service than the latter tribes. I say somewhat, because it is a mere question of degree; the Khas having, certainly, no religious prejudices, nor probably any national partialities, which would prevent their making excellent and faithful servants in arms; and they possess pre-eminent that masculine energy of character and love of enterprise which distinguish so advantageously all the military races of Nepal.

The original seat of the Magars is the Bdra Mangánth, or Satahung, Puyung, Bhirkót, Dhor, Garahung, Ráising, Ghiring, Gálim, Argha, Kháchi, Musikót, and Isma; in other words, most of the central and lower parts of the mountains, between the Bhéri and Maryándí Rivers. The attachment of the Magars to the house of Görkhá is but recent, and of no extraordinary or intimate nature. Still less so is that of the Gúrungs, whose native seats occupy a line of country parallel to that of the Magars, to the north of it, and extending to the snows in that direction. Modern events have spread the Magars and Gúrungs over most part of the present kingdom of Nepal. The Gúrungs and Magars are, in the main, Hindus, only because it is the fashion; and the Hinduism of the Khas, in all practical and soldierly respects, is free of disqualifying punctillios.

These highland soldiers, who despatch their meal in half an hour, and satisfy the ceremonial law by merely washing their hands and face, and taking off their turbans before cooking, laugh at the pharisaical rigour of our Sikhs, who must bathe from head to foot and make puja, ere they begin to dress their dinner, must eat nearly naked in the coldest weather, and cannot be in marching trim again in less than three hours.

In war, the former readily carry several days' provisions on their backs: the latter would deem such an act intolerably degrading. The former see in foreign service nothing but the prospect of glory and spoil: the latter can discover in it nothing but pollution and peril from unclean men and terrible wizards, goblins, and evil spirits. In masses, the former have all that indomitable confidence, each in all, which grows out of national integrity and success; the latter can have no

* Görkhá, the town, lies about sixty miles W.N.W. of Kathmándú. Görkhá, the name, is derived from that of the eponymous deity of the royal family, viz. Görkhánáng or Görkhánánt, who likewise has given his name to our district of Görakpur.

|| The Marichandí of our maps.
ON THE MILITARY TRIBES OF NEPAL.

Idea of this sentiment, which yet maintains the union and resolution of multitudes in peril, better than all other human bonds whatever; and, once thoroughly acquired, is by no means inseparable from service under the national standard.

I calculate that there are at this time in Nepal no less than 30,000 Dakkhūnas, of soldiers off the roll by rotation, belonging to the above three tribes. I am not sure that there exists any insuperable obstacle to our obtaining, in one form or other, the services of a large body of these men; and such are their energy of character, love of enterprise, freedom from the shackles of caste, unadulterated military habits and perfect submitability to a discipline such as ours, that I am well assured their services, if obtained, would soon come to be most highly prized.

In my humble opinion they are by far the best soldiers in Asia; and if they were made participators of our renown in arms, I conceive that their gallant spirit, emphatic contempt of Madhesins (people of the plains,) and unadulterated military habits, might be relied on for fidelity; and that our good and regular pay and noble pension establishment would serve perfectly to counterpoise the influence of nationality, so far as that could injuriously affect us.

The following table exhibits a classified view of the Brahmanical and military tribes, with their various sub-divisions.

<table>
<thead>
<tr>
<th>Tabular View of the Tribes.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BRAHMANS.</strong></td>
</tr>
<tr>
<td>Pondyāl.</td>
</tr>
<tr>
<td>Regmi.</td>
</tr>
</tbody>
</table>

*Since this paper was written the value and the availability to us of the Gorkhāli soldier tribes have been well tested; and it is infinitely to be regretted that the opinions of Sir H. Fane, of Sir C. Napier, and of Sir H. Lawrence, as to the high expediency of recruiting largely from this source, were not acted upon long ago. So long as my voice carried any weight, I often pressed the subject on the attention of those in authority. But the then prejudice in favour of Brahman and Kshatri Siāhis neutralized all my efforts, though the danger of so homogeneous an army of foreign mercenaries was, among other arguments, earnestly dwelt upon. (1857.)**
<table>
<thead>
<tr>
<th>Garung</th>
<th>Magar</th>
<th>Sanskrit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Krod</td>
<td>Rap</td>
<td>Gînak</td>
</tr>
<tr>
<td>Thya</td>
<td>Lâdô</td>
<td>Hyê</td>
</tr>
<tr>
<td>Nîâ</td>
<td>Nîâ</td>
<td>Bâk</td>
</tr>
<tr>
<td>NîB</td>
<td>Bîk</td>
<td>PoK</td>
</tr>
<tr>
<td>Thûd</td>
<td>Thûd</td>
<td>Nyen</td>
</tr>
<tr>
<td>Môhât</td>
<td>Môhât</td>
<td>Rèphi</td>
</tr>
<tr>
<td>Bîd</td>
<td>Khângni</td>
<td>Den</td>
</tr>
<tr>
<td>Sâba</td>
<td>Gy&amp;pê</td>
<td>Rîmpso</td>
</tr>
<tr>
<td>A'sâba</td>
<td>Måèçho</td>
<td>Marin noso</td>
</tr>
<tr>
<td>Simba</td>
<td>Rîng cho</td>
<td>Chî so</td>
</tr>
<tr>
<td>Kro ba</td>
<td>Khår cho</td>
<td>Hoso</td>
</tr>
<tr>
<td>A'mûva</td>
<td>Mîbîl</td>
<td>Chérî pla</td>
</tr>
<tr>
<td>Mîva</td>
<td>Mîncho</td>
<td>Mi so</td>
</tr>
<tr>
<td>Gnâbà</td>
<td>Jûy cho</td>
<td>Jiji</td>
</tr>
<tr>
<td>Sôba</td>
<td>Rêphû cho</td>
<td>Dû so</td>
</tr>
<tr>
<td>Kûmba</td>
<td>Khà cho</td>
<td>Kaso</td>
</tr>
<tr>
<td>Sâba</td>
<td>Shà chéjà</td>
<td>Rîmpso</td>
</tr>
<tr>
<td>A'sâba</td>
<td>Måèçho</td>
<td>Marin noso</td>
</tr>
<tr>
<td>Kyûn</td>
<td>Dîng cho</td>
<td>Shéjô</td>
</tr>
<tr>
<td>Kûndûg</td>
<td>Gîm cho</td>
<td>Cho Bângó</td>
</tr>
<tr>
<td>Mînûyûg</td>
<td>Chìk chì dàn</td>
<td>Kûrã</td>
</tr>
<tr>
<td>Tûrkûa</td>
<td>Bûcô</td>
<td>Bûî Sûè</td>
</tr>
<tr>
<td>Wûlkûa</td>
<td>Gîy cho</td>
<td>Lûla</td>
</tr>
<tr>
<td>Uûrûkûa</td>
<td>Pûîfî dào cìchû</td>
<td>Gîgî</td>
</tr>
<tr>
<td>Rûkûbûa</td>
<td>Lût cho</td>
<td>Jûso</td>
</tr>
<tr>
<td>Ruûba</td>
<td>Tûn cho</td>
<td>Tûbåh</td>
</tr>
<tr>
<td>Cûùbûa</td>
<td>Gîánd cho</td>
<td>Lâso</td>
</tr>
</tbody>
</table>

| Cheunbo  | Tem cho | Ho cho |
| Chûmûba  | Mûr cho | The bâba |
| The bâ  | Krûn cho | Kûl kûl |
| Phûl dông | Dallo | | nu |
| Kûns plî | Chou khà nya | Chår pàtya H |
| Phûlëbûa | caret | caret |
| Chobûa  | Dhêcho | Dûmso |
| Jhûn ba | Rîcho | Gyê so |
| Bhûã | Mûncho | Dâtì |
| Kêy phi | Dùsôna | Pâng dâtì |
| Phûkûrê | Tûkûraî | Amûjâra |

*Note: akum = good, oun = 'it'; Nak 'it'

In the preceding table, the nasal u, ng, or the simple radical mere-conjunctival sign. If we turn to the definition of the words becomes often all-nasal—root. Pha, Po; Locke, Lo—root. ultimate is partitive. Thus Pirûng, 'give
PART II.

ON THE PHYSICAL GEOGRAPHY OF THE HIMALAYA.

A clear outline, illustrated by a sketch map of the principal natural divisions of the Himálaya, is, and long has been, a great desideratum; for physical geography, which derives so many aids from the other physical sciences, is expected in return to render back to them, without unnecessary delay, a distinct demarcation of its own provinces, since by that alone researchers in so many departments are enabled to refer the respective phenomena they are conversant with to their appropriate local habitations, in a manner that shall be readily intelligible causally significant, and wholly independent of the shifting and unmeaning arrangements of politics.

It is true, that our knowledge of the large portion of these mountains, lying beyond the limits of British dominion, is far from complete. But is our knowledge any thing like complete of our own hill-possessions? and, if we are to wait until NépáI, Sikim, and Bhútán become thoroughly accessible to science, must we not indefinitely postpone a work, the most material part of which may (I think) be performed with such information as we now possess?

The details of geography, ordinarily so called, are wearisomely insignificant; but the grand features of physical geography have a pregnant value, as being alike suggestive of new knowledge, and facilitative of the orderly distribution and ready retention of old. I purpose to adhere to those grand features, and to exhibit them in that causal connexion which gives them their high interest with men of cultivated minds.

I had been for several years a traveller in the Himálaya, before I could get rid of that tyranny of the senses, which so strongly impresses almost all beholders of this stupendous scenery with the conviction that the mighty maze is quite without a plan. My first step towards freedom from this overpowering obtru-

*Extracted from the Selections from the Records of the Government of Bengal, No. xxvii, Calcutta 1857. (Reprinted from the Jour. As. Soc. Bengal for 1849.)

§ Hima 'snow,' Alaya 'place of.' The compound is Himálaya, not Himalaya as usually pronounced. The synonyms Himáchala and Himodáya (whence the Classic Himódelus) mean, respectively, 'snowy mountain' and 'place of appearance of snow (udaya).’
siveness of impressions of sense was obtained by steady attention to the fact, that the vast volume of the Himalayan waters flows more or less at right angles to the general direction of the Himalaya, but so that the numberless streams of the mountains are directed into a few grand rivers of the plains, either at or near the confines of the two regions. My next step was due to the singular significance of the topographic nomenclature of the Nepalese, whose "Sapt Gandaki" and "Sapt Kausika" rivetted my attention upon the peculiar aqueous system of the Himalayas, urging me thenceforward to discover, if possible, what cause operated this marked convergence of innumerable transverse parallel streams, so as to bring them into a limited series of distinct main rivers. My third and last step was achieved when I discovered that the transcendant elevation and forward position, at right angles to the line of sight, of the great snow peaks, presented that causal agency I was in search of; the remotest radiating points of the feeders of each great river being coincident with the successive loftiest masses belonging to the entire extent of the Himalaya. It was in Nepal that this solution of these problems occurred to me, and so uniformly did the numerous routes I possessed represent the points of extreme divergence of the great rivers by their feeders as typical with the highest peaks, that I should probably long ago have satisfied myself upon the subject, if my then correspondent, Captain Herbert, had not so decidedly insisted on the very opposite doctrine—to wit, that the great peaks intersect instead of bounding the principal alpine river basins.

Captain Herbert's extensive personal conversancy with the Western Himalaya, added to his high professional attainments, made me for a long time diffident of my own views. But the progress of events, and increasing knowledge of other parts of the chain, seeming to confirm the accuracy of those views, it occurred to me more carefully to investigate whether the facts and the reason of the case were not, upon the whole, demonstrative of the inaccuracy of that able and lamented officer's dogma. Doubtless the Western Himalaya presents appearances calculated to sustain Captain Herbert's opinion, whilst such persons only as are unaccustomed to deal with the classifications of science, will expect them to correspond point by point with those natural phenomena, which it is at least one chief merit of such arrangements, merely to enable us readily to grasp and retain. But that the entire body of facts now within our ken is upon the whole opposed to Captain H.'s doctrine, and that that doctrine suits ill with the recognized axioms of Geology and Geography, is, I think, certain; and I shall with diffidence now proceed to attempt the proof of it.

† See Journal Asiatic Soc. of Bengal, No. 198, for December 1848, p. 646 &c.
* This expression is used advisedly, for every pre-eminent elevation of the Himalaya is not so much a peak as a cluster of peaks springing from a huge sustaining and connected base. But observe, some of the peaks are not advanced before the ghâta-line, but thrown back behind it, as Chumalâ and Devadhunga or Nyânâm. These do not influence the aqueous system of the Indian slope of Himalaya; see on, to remark on Chumalâ. This is a new inference from new facts in part.
‡ The Western Himalaya, as it approaches the Belur, is in many respects anomalous, owing, as I conceive, to the crossing of that meridional chain. The true and normal Himalaya is parallelic or runs west and east.

† Journal No. 126, extra pp. 20 and 22.
A tyro in geology, I shall not dwell further on the theoretical side of the question than may be requisite to facilitate and complete the apprehension of my readers; but the facts, quoad Népál at least, I trust, that my sketch map, rude as it is, and the following observations, may render sufficiently indisputable; it being always remembered that I deal with generals, not particulars, aiming to establish the general accuracy of my main proposition, viz., that the great peaks, bound instead of intersecting the alpine river basins, and that, in truth, the peaks by so bounding create the basins, whereas their intersection would destroy them.

The whole Himalaya extends from 78 deg. to 94 deg. of longitude, comprising the following peaks and basins:—peak of Jamnoutri (a), peak of Nanda-dévi (A), peak of Dhoulagaóri (B), peak of Gosain-thán (C), peak of Kangchan (D), peak of Chumalhvi (E), peak of the Geminis (O)—which peaks include and constitute the following alpine river basins, viz., that of the Ganges, that of the Karnál, that of the Gandak, that of the C6&, that of the Tishta, that of the Mónas, and that of the Subhanari (pars). The subjoined table exhibits the elevation and the position of these dominant peaks, with the authority for both.

<table>
<thead>
<tr>
<th>Peak</th>
<th>Elevation</th>
<th>Longitude</th>
<th>Latitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jamnoutri</td>
<td>25,689</td>
<td>80° 55</td>
<td>78° 12&quot;</td>
</tr>
<tr>
<td>Nanda-dévi</td>
<td>25,698</td>
<td>80° 22</td>
<td>78° 50</td>
</tr>
<tr>
<td>Dhoulagaóri</td>
<td>27,600</td>
<td>80° 10</td>
<td></td>
</tr>
<tr>
<td>Gosain-thán</td>
<td>24,700</td>
<td>80° 20</td>
<td></td>
</tr>
<tr>
<td>Kang-chan</td>
<td>28,176</td>
<td>80° 42</td>
<td>88° 10</td>
</tr>
<tr>
<td>Chumalhvi</td>
<td>23,929</td>
<td>80° 52</td>
<td>89° 18</td>
</tr>
<tr>
<td>Gemini</td>
<td>21,800</td>
<td>27° 50</td>
<td></td>
</tr>
</tbody>
</table>

The Himalaya proper is traced along the line of the gháts or passes into Tibet; and the principal passes of Népál and Sikim into Tibet, or Taklakhár, Mustáng, Kérung, Kúti, Hátia, Wallung, Lácchén.

Along the last low range of hills are the Máris or Dhúns within the range, and the position of the Bháver and Tarai* without it.

<table>
<thead>
<tr>
<th>Valley</th>
<th>Description</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sallý-an-mári</td>
<td>Gongtali-mári, Chitwan-mári, Makwáni-mári, and Bijaypúr-mári</td>
<td>Turanian</td>
</tr>
</tbody>
</table>

In the plateau of Tibet I have indicated the limits of the northern and southern divisions, and in the latter those of the three great Trans-Himalayan provinces.

* Tarai, tarei, or tareáni, equal to 'lowlands,' 'swampy tract at the base of the hills,' seen to be a genuinely Turanian word, and were the map of India carefully examined, many more such pre-Arian terms would probably be discovered, to prove the universal spread over the Continent of that earlier race, which is now chiefly confined to the Decan.

or Gnári, extending (from the Behür) easterly to the Gângri boundary range of Lake Mapham; Útsáng, thence stretching to the Gakbo River beyond Lhasa; and Khâm, which reaches from the Gakbo River to the Yûnling, or limitary range of China and Tibet. || Thus reverting to the regions south of the line of ghāts leading into Tibet, we have, clearly defined, the several natural provinces or divisions of the Himâlaya, with their casual distribution, as follows, commencing from the westward—1st, the alpine basin of the Ganges, extended from the peak of Jannoutri to the peak of Nanda-dévi (Juwahr or Juwahir), or, in other words, from east long. 78° 12' to 79° 50'; 2nd, the alpine basin of the Karmâli, reaching from the peak of Nanda-dévi to that of Dhoulà-girì, or from 79° 50' to 83°; 3rd, the alpine basin of the Gandak, stretching from the peak of Dhoulà-girì to that of Gosain-thân, or from 83° to 86°; 4th, the alpine basin of the Cósì, extending from the peak of Gosain-thân to that of Kangchán, or from 86° to 88° 10'; 5th, the alpine basin of the Tishta, reaching from the peak of Kangchán to that of Chumalhârî, or from 88° 10' to 88° 18'; 6th, the alpine basin of the Mônas, stretching from the peak of Chumalhârî to that of Gemini, or from 88° 18' to 92° 50'; and, lastly, the alpine basin of the Subhansâri, of which the western limit is the Gemini, but the eastern peak is unascertained. It should be sought somewhere about 94° 50', between which point and the extreme eastern limits of the Himâlaya must be the basin of the Dihong. That the above distribution of the Himâlaya into natural districts is, upon the whole, as consistent with the facts as it is eminently commodious and highly suggestive, I have no hesitation of asserting. Least, however, I should extend my present essay to undue limits, or trench upon the province of Colonel Waugh and the other able professional men who are now engaged upon the western hills, I shall say nothing further of the alpine valley of the Ganges and those west of it, nor upon those lying east of Sikim. *

If my main assumption be valid, it will be easily worked out by abler hands and better furnished ones than mine; wherefore the following more detailed expositions will be chiefly confined to the three great central basins of the Karmâli, the Gandak, and the Cósì. In the first of these basins we have (successively from west to east) the Särju, the Göri, the Kâli, the Swéti-ganga, the Karnâli proper, the Bhûri, and the Jhîngâk or Rápti. † And it is certain that, whereas

|| See Routes from Kâthmándû to Peking in sequel and paper on Horsock and Sifán. Sifán is the eastern boundary of Khâm, which commences, on the line of route from Nepál at Sangwa, the 51st stage, and extends to Táchindo, the 104th and political boundary of Tibet and China. The Yûnling chain seems to run along the western verge of Sifán.

* In the sequel I shall give the river basins of the Western Himâlaya upon the authority of Dr. Thomson, in order to complete the enumeration of Himâlayan districts, but simply as results, and without discussion. Dr. T.'s river distribution proceeds on the same principle as mine, which was published three years prior to his. I think he has needlessly increased the number of basins and thereby almost marred the effect of the causal connection of them with the geological structure of the mountains.

† This identification is probably erroneous, though adopted by Buchanan. The Jhîngâk with a higher source is turned into the Karnâli by the Dhoulâ-girì ridge; the proximate Rápti is not so influenced, owing to its lower source, and hence has an independent course through the plains to the Ganges, like the Gumti, etc., as enumerated in the sequel.
these streams drain the whole alpine valley of the Karnáli, so their most west-
erly source and course is confined on the west by the Nanda-dévī peak, as their
most easterly is limited on the east by that of Dhoula-giri. These rivers do not
wholly unite within the hills, though their tendency to union is so decided, that
they are known by one name, even in the plains, where their collective appellation
is Sárju or Káli or Ghógra. In the hills the whole of them are universally de-
nominated by the collective name of Karnáli (corrupted by Rennell and his fol-
lowers into Kenár). Karnáli is the proper name of this noble river, the Karnáli
branch being by far the largest, the central, and most remote of origin. It rises
in Tibet, not far from one of the sources of the Sutlej, and has a considerable Trans-
Himálayan course to the westward of the Taklakhár pass, where it quits Tibet.
No natural district can be more distinct than the alpine basin of the Karnáli, as
above defined. It includes the political divisions of Káli-Kúmáun, belonging to
Britain, and of the Báisi, or twenty-two Rájes of Népál, with Yúmila or Júmila,
Dótí, and Sályán. In the second basin, or that of the Gandak, we have, succes-
sively from the west, as before, the Barigár, the Náráyani, the Swétí-gándaki, the
Mársyángdi, the Daramdi, the Gándi, and the Trisúl. These are the “Sapt Gan-
daki” or seven Gandaks of the Nepálese, and they unite on the plainward verge
of the mountains at Thbéní above Sáran. They drain the whole hills between
Dhoula-giri and Gosain-thán, the Barigár, and one head of the Náráyani, rising
from the former barrier, and the Trisúl, with every drop of water supplied by
its affluent from the latter. Nor does a single streamlet of the Trisúl arise east of
the peak of Gosain-thán, nor one dribblet of the Barigár deduce itself from the
westward of Dhoula-giri. We have thus in the alpine basin of the Gandak another
admirably defined natural division comprised within two great proximate Himá-
layan peaks. This division is named, vernacularly, the Sapt Gandaki. It in-
cludes the old Choubiá or twenty-four Rájes, and belongs to the modern kingdom
of Népál.

Our third sample of a Himálayan natural province, conterminous with the
utmost spread of the feeders of a large river, and bounded on either hand by a prime
snowy peak, is the basin of the Cósí, which, like the Gandak, has seven principal
feeders. These are as follows:—the Mílamchi, the Bhútíá Cósí, the Támbar Cósí,
the Líkhu, the Dúd Cósí, the Arun, and the Tamór.* Of these, the Mílamchi,
rising from Gosain-thán, is the most westerly, and the Tamór, rising from Kang-
chan, is the most easterly feeder.† And those two great peaks, with the pre-
eminent ridges they send forth southwards, include every drop of water that reaches
the great Cósí of the plains through its seven alpine branches. All these branches,
as in the case of the Gandak, unite at (Varáha Káhótra above Náthpur) within
the hills, so that the unity of this alpine basin also is as clear, as are its limitary
peaks and its extent.

* Tamór, Hindi equivalent to Tamvar, Sanskrit. So Dhoula-giri for Dhawala-giri,
and Jamnoutri for Jamnawatari. I have throughout adopted, the vernacular forms of
words as being more familiar and quite as correct.
† See J. A. S. No. 189. Route from Káthmándú to Darjéeling.
The alpine basin of the Céši is denominated by the Népálese the Sapt Kausika, or country of the seven Céšis. It comprises the old Rajes of the Kirántis, Limbús, and Kála Makwánis, and is included, like the two prior basins, in the modern kingdom of Népál.

The country drained by the above three rivers (Karnák, Gandak, and Céši) includes the whole of Népál and the proximate part of Kúmáún, or, in other words, 800 miles of the central and most characteristic portion of the Himálaya. Wherefore it is legitimately presumable that, whatever is true of its natural divisions, is true of those of the residue, quoad ruling principle and geological causation.

Now if the above facts relative to these three rivers be justly represented (and that they are so, I confidently assert), we are led irresistibly to inquire why the numerous large feeders of the rivers, instead of urging their impetuous way from the snows to the plains by independent courses, are brought together upon or near the verge of the plains? How unity is effected among them, despite the interminable maze of ridges they traverse, and despite the straight-downward impulse given them at their sources— I answer, it is because of the superior elevation of the lateral barriers of the river basins, between which there are synclinal slopes of such decided preponderance, that they over-rule the effect of all other inequalities of surface, how vast soever the latter may sometimes be.

These lateral barriers of the river basins are crowned by the pre-eminent Himálayan peaks, that the peaks themselves have a forward position in respect to the ghát-line or great longitudinal watershed between Tibet and India, and that from these stupendous peaks, ridges are sent forth southwards proportionally immense. Thus from the peak of Kangchan is sent forth the ridge of Singiléká, which towers as loftily over all the other sub-Himálayan ridges of Eastern Népál and Western Sikim, as does Kangchan itself over all the other Himalayan peaks.

This Singiléká prolongation (so to speak) of Kangchan entirely separates the waters of the Céši and of the Tishta. A similar ridge, that of Dayabhang, stretching south from the great peak of Gosain-thán, as entirely divorces the waters of the Céši and of the Gandak. Another like ridge rising from Dhoulá-gíri as effectually sunders the waters of the Gandak and of the Karnákli. Another starting from Nanda-dévi in like manner wholly separates the proximate feeders of the Karnál and of the Ganges; whilst yet another originating with Jamnoutri wholly separates the Ganges from the Jumna.

Equally effective with the divergent power of each of these supremely peaked ridges, which run parallel to each other and at right angles to the ghát-line of the snowy range, upon two river-basins, as just noticed, is of course the convergent...

* The classical Córkhátas, and a once dominant and powerful race, though they have long since succumbed to the political supremacy of other races—first the Makwánis and then the Gorkhális.

† Hence the name Dhaibung, erroneously applied by Colonel Crawfurd to the peak Dayabhang, 'the destroyer of pity,' from the severity of the ascent.
GEOGRAPHY OF THE HIMALAYA.

power of two ridges upon the single contained river-basin. The synclinal lines from the inner faces of the two adjacent ridges draw the waters together; and, because these ridged peaks are the loftiest masses of the entire mountains, the effect of all their other masses, even that of the spine of Himáchal or the ghát-line of the snows, is over-ruled or modified, so that in the most rugged region on earth a very limited series of distinct main rivers appears in the plains from innumerable independent alpine feeders, in the manner which all behold, but few indeed think of referring to its cause.*

It is inconsistent with all we know of the action of those hypogene forces which raise mountains, to suppose that the points of greatest intensity in the pristine action of such forces, as marked by the loftiest peaks, should not be surrounded by a proportionate circumjacent intumescence of the general mass; and, if there be such an intumescence of the general surface around each pre-eminent Himálayan peak, it will follow, as clearly in logical sequence as in plain fact it is apparent, that these grand peak-crowned ridges will determine the essential character of the aqueous distribution of the very extended mountainous chain (1,800 miles) along which they occur at certain palpable and tolerably regular intervals. Now, that the infinite volume of the Himálayan waters is, in fact, pretty regularly distributed into a small number of large rivers, we all see; and, whereas the fact is thoroughly explicable upon my assumption, that the great peaks bound, instead of intersecting, the river-basins, it is wholly inexplicable upon Captain Herbert's assumption that the said peaks intersect the basins.

The above are normal samples of Himálayan water-distribution, and it is very observable that, whereas all those principal streams which exhibit the unitizing principle so decidedly, take their origin in the alpine region, at or near the snows, so the inferior streams, which rise from the middle region only, show no such tendency to union, but pursue their solitary routes to the Ganges; as for example, the Mákánanda, the Konki, the Bágmati, the Gumti, the Ráputi, the Cósilla, and the Rámganga. Here is both positive and negative evidence in favour of the doctrine I advocate, as furnishing the key to the aqueous system and natural divisions of the Himálaya; for the upper rivers do, and the lower rivers do not, stand exposed to the influence of the great peaks.

The petty streams of the lower region, or that next the plains, which water the Dhúns or Máríis, traverse those valleys lengthwise; and as the valleys themselves run usually parallel to the ghát-line of the snows, such is also the direction of these petty streams. In the central, as in the western, hills, they usually disambogue into the rivers of the first class.

* Since this was written a new peak of transcendant height has been determined, which yet does not influence the river basins of the Indian slope. The reason is that this peak is thrown back behind the ghát-line like Chumalhári, as to which see on. Such facts need not affect the justice of what is written above, but must be regarded as exceptional, at least for the present.

* J. A. S. No. 126, p. xxxiii.
I have observed that the three great river basins of the Karnali, Gandak, and Gosi extend throughout Nepal, and truly so; for a river basin includes the widest space drained by its feeders. But it results necessarily from the manner in which the deltic basins of the Himalayan rivers are formed, that there should be intervals between the plainward spieces of these deltic basins. Of these intervals the moest conspicuous in Nepal is that which intervenes between the Gosi and Gandak. This tract, watered by the Bagmati, deserves separate mention on many accounts, and it may be conveniently styled the valley region, since it contains not only the great valley of Nepal proper, but also the subordinate vales of Chitlong, Banepa, and Panouti.

It has been already remarked, that the classifications of physical geography, as of the other sciences, do not constitute a perfect "open sesame" to the mysteries of nature, but only a material help to their study. This observation I will illustrate by a few comments on the basin of the Tishta, lest the somewhat anomalous instance of that basin should be captiously quoted to impugn the doctrine I contend for; but contend for, not as exhibiting in every instance an absolute conformity with natural arrangements, but as doing all that can be reasonably expected in that way, and as furnishing, upon the whole, a generally truthful, causally significant, and practically useful, indication of those arrangements.

I have stated above, that the basin of the Tishta extends from the peak of Kangchan to that of Chumalhari. Between these two peaks there occurs what miners call "a fault" in the ghát-line of the snows, which line, after proceeding N. Easterly from the Lâchén pass to Powahny, dips suddenly to the south for nearly forty miles, and then returns to Chumalhari. A triangular space called Chumbi is thus detached from the Himalaya and attached to Tibet; and the basin of the Tishta is thus narrowed on the east by this salient angle of the snows, which cuts off the Chumbi district from the Tishtan basin, instead of allowing that basin to stretch easterly to the base of Chumalhari. Chumbi is drained by the Máčú of Campbell, which is doubtfully referred to the Torsha of the plains, but which may possibly be identical with the Háchú of Turner and Griffiths, and consequently with the Gaddáda of the plains. But besides that these points are still unsettled, one of the transverse feeders of the Tishta rounds Pow-

---

1 Vide Waugh's outline of the snowy range of Sikim, J. A. S. loc. cit.
2 Embassy to Tibet and J. A. S. Nos. 87 and 88, with sketch maps annexed.
3 Also Pemberton's large map of the Eastern frontier. Rennell is not easily reconcilable with them. I had identified the lakes of Cholam, which give rise to the Tishta, with Turner's lakes. But I now learn from Hooker, that the latter lie a good deal east of the former, and I am satisfied that Campbell's Máčú is distinct from Turner's Háchú. We need, and shall thus find, space in the hills, correspondent to that in the plains watered by Rennell's Torsha and Varindog and Gaddáda and Súncái. The Máčú, (Maha tehen of Turner) rises from the west flank of Chumalhari. The Háchú of Turner is a feeder joining his Tehin chú from the west; the Chaan chú of Turner is the Suncósi (the Eastern Suncósi, for there are two there, besides that of Nepal,) of Rangpur, his Tehin chú is the Gaddáda, and his Maha chú the Torsha. The Arun has its rise in the broken country of Tibet lying north-east and west of the sources of the Tishta and south of the Kambalí, or great range forming the southern boundary of the valley of the Yáru; this broken country Dr. Hooker estimates at from sixteen to eighteen thousand feet above the sea. It is a good deal terraced near Himáchal.
hanry and rises from a lake (Cholamū) approximating to Chumalhārī; so that, one way or another, the Tishta may be said, without much violence, to spread its basin from Kangchan to Chumalhārī.

Chûmbi and all the adjacent parts of the plateau of Tibet constitute a region as singular as is the access to it from Sikim by the Lâchén pass. That pass surmounted, you at once find yourself, without descent, upon an open undulated swardy tract, through which the eastern transverse feeders of the Tishta and of the Arūn sluggishly and tortuously creep, as though loath to pass the Himālaya, towards which indeed it is not easy to perceive how they are impelled; the plateau of Tibet generally sloping on their right to Digarchi, and seeming to invite the streams that way. This is however of course a water-shed, though by no means a palpable one; and we know by the signal instances of the vast rivers of South America and those of North-eastern Europe, how inconspicuous sometimes are the most important water-sheds of the globe. The sources and courses of the feeders of the Tishta will shortly be fully illustrated by Dr. Hooker, my enterprising and accomplished guest, to whom I am indebted for the above information relative to the Lânchén pass and its vicinity, and whose promised map of Sikim, which state is the political equivalent for the basin of the Tishta, will leave nothing to be desired further on that head.*

But the Himālaya must necessarily be contemplated in its breadth as well as its length; and we have therefore still to consider what regional divisions belong to these mountains in relation to their breadth, or the distance between the ghâtkline of the snows and the plains of India.

The Himalayan mountains extend from the great bend of the Indus to the great bend of the Brâhmâputra, or from Gilgit to Brâhmakûnd, between which their length is 1,800 miles. Their mean breadth is (reckoning from the ghâts and purposely omitting the questions of axis and counterslope) about ninety miles; the maximum, about 110, and the minimum, seventy miles. The mean breadth of ninety miles may be most conveniently divided into three equal portions, each of which will therefore have thirty miles of extent. These transverse climatic divisions must be, of course, more or less arbitrary, and a microscopic vision would be disposed to increase them considerably beyond three, with reference to geological, to botanical, or to zoological, phenomena. But upon comparing Captain Herbert's distribution of geological phenomena with my own of zoological, and Dr. Hooker's of botanical, I am satisfied that three are enough. These regions I have already denominated the lower, the middle, and the upper. They extend from the external margin of the Tarai to the ghâtkline of the snows. The lower region may be conveniently divided into—I. the sand-stone range with its contained Dhûns or Mâris—II. the Bhâver or Saul forest—III. the Tarai. The other two regions require no sub-divisions. The following appear to be those demarcations by height which most fitly indicate the three regions:—

* The reader will observe that this paper was written in 1846.
† J. A. S. for December 1847 and June 1848.
GEOGRAPHY OF THE HIMALAYA.

Name. Elevational limits.

Lower region . . . . . Level of the plains to 4,000 feet above the sea.
Central region . . . . 4,000 to 10,000 feet above the sea.
Upper region . . . . . 10,000 to 18,000 feet above the sea: highest peak measured is 29,002 feet.

It is needless to remind those who are conversant with physical geography, that in passing in a tropical country, by a long and gradual ascent, from near the sea level to several (4-6) miles above it, one must necessarily meet with regions equivalent, quoad organic phenomena, to the three great zones of the earth, or the tropical, the temperate, and the arctic; and, in fact, our three regions above indicated correspond in the main with those zones, and might be named after them, but that it is desirable to avoid terms involving theory, when those designating mere facts will suffice. But to resume. It is thus made apparent that the Himalaya, or, to be more precise, the Indian slope of the Himalaya, admits of a double series of natural and convenient divisions, those of length being coincident with the basins of the main rivers, and those of breadth with a triple division on the scale of elevations, from that of the plains to that of the perpetual snow, which latter tallas pretty nearly with the mean height of the passes into Tibet, or sixteen to seventeen thousand feet. But, as the plains are customarily divided into the upper, central, and lower provinces, so the Himalaya, in reference to its length, may be conveniently divided, when larger divisions than those of the river basins need to be spoken of, into the western, embracing the basins of the Jhilum, Chinab, Bias, Ravi, Satluj, Jamna, Ganges, Ghagra, within the British territories; the central, including the basins of the Karnali, the Gandak, and the Cosi, within those of Nepal; and the eastern, embracing the basins of the Tista, Monas, Subansiri, and Dihong, which include Sikim, (now half British), Bhutan, and the territories of the disunited lawless tribes lying east of Bhutan. And it is very observable that, in respect of climate, the above suggested analogous divisions of the plains and mountains correspond, for the more you go westward in plains or mountains, the greater becomes the dryness of the air and the extremes of heat and cold.

But the grand determiner of climate, as dependent on heat, in all parts of the Himalaya, is elevation, which acts so powerfully and uniformly, that for every thousand feet of height gained, you have a diminution of temperature equal to 3° or 3½ of Fahrenheit; consequently the transverse regions, notwithstanding their proximity, show, upon the whole, a much more palpable variety of climate than is incident to the lengthwise divisions of the chain, how remote soever they may be. But in reference to moisture, the next element of climate, the case is somewhat altered, for every movement towards the west (N.W.) along the lengthwise development of the Himalaya, carries you further and further out of

† This is about the average height of the ghats and of the perpetual snow. It is also nearly the limit of possible investigation, and of the existence of organic phenomena. But the upward limit need not be rigorously assigned—4,000 is the limit of snow-fall to the south, well tested in thirty years—4,000 is also that point which best indicates the distinction of healthy and malarious sites.
the line of the rainy monsoon, which is the grand source of supply of moisture. The third determining and very active cause of climate operates throughout the chain, determining chiefly the specific differences. It consists in the number, height, and direction of the ridges interposed between any given position and the direction of the S. W. or rainy monsoon; for, each of these ridges, crossing more or less directly the course of the vapour from the ocean, has a most marked effect in diminishing the quantity of rain and moisture behind such covering ridge, so that, inasmuch as by receding from the plains towards the snows, you interpose more and more of these ridges, you find not only temperature falling with elevation gained (as a general rule,) but also greater dryness of air, less moisture, more sunshine, (and so far more heat); and, as a general consequence, a gradual diminution of that excessive natural vegetation, arboreal and other, which is the universal characteristic of these mountains; yet still with greater power in the climate of these remoter districts of ripening grains and fruits of artificial growth, owing to the diminished rain and increased sunshine of summer, and in spite of the general decrease of the temperature of the air. That combination of tropical heat and moisture to which we owe the generally gorgeous garniture so stupendous has, at low elevations, the bad effect of generating a malaria fatal to all but the peculiar tribes, whom ages untold have been inured to it, and whose power of dwelling with impunity in such an atmosphere is a physiological fact of very great interest. The tribes adverted to are called AwaGas, from duwal, the name of malaria.

The whole of what I have denominated the "lower-region," as well as all the deep beds of the larger rivers of the "central region," lying much below what I have given as the elevational demarcation of the two regions, or four thousand feet, are subject to the duwal.

After what has been stated, it will be seen at once, that tables of temperature, rain-fall, and moisture, could, if given, only hold true of the exact spots where they were registered.

The latitude in a small degree, but in a far greater, the longitude, or position with reference to the course of the rainy monsoon—the number of interposed ridges crossing that course—and the elevation, are the circumstances determining the heat and moisture, that is, the climate, of any given spot of the Eastern, Central, or Western Himalaya. There are amazing differences of climate in very proximate places of equal elevation, caused by their relative position to covering ridges, and also, as has been proved experimentally, by the effects of clearance of the forest and undergrowth, and letting in the sun upon the soil.

The general course of the seasons is the tropical, with cold and dry weather from October to March, and wet and hot weather from April to September, correspondent to the duration of the N.E. and S.W. monsoons. The springs and autumns, however, are more clearly marked than the latitude would promise, and from the middle of March to the middle of May, and again, from the middle of September to the middle of December, the weather is delightful. From the middle of December
to the end of February is the least agreeable portion of the year, being cloudy and rainy or snowy, with cold enough to make the wet tell disagreeably, which it does not do in the genial season of the rains. The general character of the climate is derived from its combined and great equability and temperateness. For months the thermometer hardly ranges 6° day and night, and that about "temperate" of Fahrenheit, or the perfection of temperature; and altogether, the climate is one of the safest (I here speak of the central and normal region) and most enjoyable in the world. The wind is generally moderate, except in March, when the "Phagwa" of the N.W. plains reach us, but shorn of its fervour. The quantity of electricity is, on the whole, small, and storms are nearly confined to the setting in and close of the rainy season. Epidemics are very rare; endemics almost unknown; so that it would be difficult to cite a Himalayan disease, unless such must be called dyspepsia. Goitre is more or less prevalent, but not often accompanied by cretanism. The general character of the surface in all parts of the Himalayas is a perpetual succession of vast ridges, highly sloped, and having very narrow interposed glens. Valleys properly so called are most rare. There are, in fact, only two throughout the great extent from Gilgit to Brahmapur, or those of Cashmere and Népál, the latter only sixteen miles in either diameter.

Lakes also are small and very infrequent. Three or four in Kúmáín, and two or three in Western Népál (Pókra), in both cases juxta-posed, constitute the whole nearly. But it seems certain that lakes were more frequent in some prior geological era, and that the present valleys of Cashmere and Népál once existed in a lacustrine state.

The Himalayan ridges are remarkable for the absence of chasm and rupture, and their interminable uniform lines, with the similarity of tone in the verdure of the ceaseless forests, (owing to the rarity of deciduous trees), detract somewhat from those impressions of grandeur and beauty, which mountains so stupendous and so magnificently clothed are calculated to convey. The transverse or climatic division of the Himalaya, though of course most noticeable and important in reference to organic phenomena, is also worth attention, in regard to inorganic ones. I shall however say little of the geology or of the botany of the Himalaya, abler pens than mine having now treated the subject. A little more space may be given to the ethnology and zoology, both as matters I myself am more conversant with, and which still have a deal of novelty in reference to geographical distributions particularly.

Every part of the chain abounds in minerals, particularly iron and copper; lead, zinc, sulphur, plumbago, in less degree. Mineral springs, both hot and cold, sapid and insipid, are generally diffused, and I am aware of other instances of lambent flame issuing in the fashion of the well-known Jwálamúkhi of the Punjáb, which superstition has consecrated. There is no lime-formation, and the mineral is very rare as a deposit: salt is unknown, though it abounds across the snows. So also the precious metals. Minerals and mineral springs are most frequent in the central region, so likewise the iron and copper veins: organic fossil remains and the small traces of coal, almost or quite peculiar to the lower region,
GEOGRAPHY OF THE HIMALAYA.

and far more abundant to the N.W. than to the S.E. In geology the upper region may be called the locale of granites and gneisses; the middle region that of gneisses and schists; the lower region that of the sandstone formation and of diluvial debris. It may be added that granite is much more extensively developed in the upper region than had been supposed, and that igneous rocks are by no means so entirely wanting: indeed, igneous action is displayed to a stupendous extent in the hypogene rocks, both stratified and unstratified, of the upper and central regions. There are no volcanoes, active or extinct. Slight earthquakes are very frequent: severe ones, rare; very severe ones, unknown.

In botany the upper region is that of Junipers, Cypresses, Cedars, Larches, Yews, Poplars, Boxes, Dwarf Rhododendrons, Hollies, Willows, Walnuts, Birches, and, in general, of the superior Conifers, particularly to the S.E., for to the N.W. they descend into the middle region, even the stately Cedar, which however is unknown east of Kāmān. In the second or central region* Birches, Hollies, and Willows recur. It is the region of Oaks, Chesnuts, Horse Chesnuts, Magnolias, Laurels, Alders, Tree Rhododendrons, Cherry and Pear Trees (large and wild), Oleas (forest trees), Maples or Sycamores, Thorns, Ashes, Elms, Horn-beams, Elders, Paper and Wax Trees, Tea Allies, (Eurya and Thea also,† as an importation which has succeeded to perfection, but chiefly below 4,000, Tree Ferns, some few and peculiar Palms (Chamorops, etc.), and the inferior sorts of Pines.

The third or lower region is that of Sauls (Shores) Sissus (Dalbergia), Acacias and Mimossas, Tunds (Cedrela), Cotton Trees (Bombax), Tree Figs (Elasticus, Indicus, Religiōsus, etc.), Butes, Dilleniās, Duabanguas, Erythrinas, Premnas, some common Palms (Phoenix), etc., but rare and poor, with recurring Tree Ferns, but more rarely than above perhaps, though the Tree and common Ferns, like the great and small bamboos, may be said to be borderers, denoting by their point of contact the transition from the lower to the central region. Pinus longifolia recurs in the lower region, descending to the plains nearly in Nēpāl, but most of the other Conebearers in Nēpāl, and still more, east of it, eschew even the central region, abundant as they are therein in the Western Himalaya. So likewise the Tree Rhododendrons in the Eastern Himalaya are apt to retire to the northern region, though in the Central Himalaya they abound in the central region.

In zoology, again, to begin with man, the northern region is the exclusive habitat of the Bhōtias (Cis-Himalayan, called Palusēn, Rōngbo, Sēspa, Siems, Kāthbhōtia, etc.) who with their allies the Thakoras and Pākias extend along the whole line of the ghāta, and who, with the name, have retained unchanged the lingual and physical characteristics, and even the manners, customs, and dress, of their transvenile brethren. To the central region are similarly confined, but each in their own province from east to west, the Mishmis and Mirris, the Burs and Abors, the Kapachore, the Akas, the Daphias, (east of Bhūtan), the

* N.B.—Central in length is called, central only, or central Himalaya; central of breadth, central region.
† Both tea and coffee plantations are now well advanced in the Eastern Himalaya, with the surest prospect of success. In the Western Himalaya that success is now a fact accomplished.
Lhópas (in Bhútan), the Lephas or Deunjongmaro (in Sikim), the Lumbus or Yakthúmbás, the Yakhas, the Khómboos or Kirántis, the Múrmis or Tamars, the Pahi or Padhi, the Nówará, the Súnwáre, the Chépángs, the Kúsíndas, the Vayuas or Kayus, the Gúrungs, the Magars, the Khas or Khasías (in Népál), the Kohlis, the Doms, the Rajhis, the Haris, the Garhwalis, the Kanets, the Dogras, the Kakkas, the Bambas, the Gakars, the Dardus, the Donghrs (west from Népál).

To the lower region again, and to similarly malarious sites of the middle region, are exclusively confined, the Kocches, the Bodos, the Dhimála (Sikim and east of it), the Khícha, the Pallas, the Thárus, the Dénwáre, the Kúmbhas, the Bhármus, the Dabis or Daris, the Kuswáre, the Thámis, the Bótias (not Bhótiá) (in Népál), the Bôkse (in Kúsíum), the Kháitra, the Awans, the Janjohs, the Chibs, and the Bábhas (west of Kúsíum to the Indus).

The Himalayan population is intensely tribe-ish, and is susceptible of a threefold division of pregnant significance, and quite analogous to what holds true of the aboriginal Indian and Indo-Chinese populations, first, into the dominant or unbroken tribes, such as the Khas, Magar, Gúng, Nówar, Múrmi, Lepha, Bodpa, etc.; second, into the broken tribes, such as nearly all those termed Avalias,† as well as the Chépáng, Kúsínda, and Háyu; third, into the tribes of helot craftsmen:—

Of the mountains of Nepal.
Chun ira, carpenters.
Sárki, curriers.
Kámi, blacksmiths.
Sunar, gold and silver smiths.
Gáin, musicians.
Blámr, ditto, but prostitute their women.
Dámái, tailors.
Agri, miners.
Kumhal or potter.
Kinari, potters.

Of the valley of Nepal.
Pó, executioners and workers in bamboo.
Kulu, curriers.
Náy, butchers.
Chamakhalas, scavengers.
Dong, JuGi, musicians.
Kou, blacksmiths.
Dhsú, metallurgists.
Awa, architects.
Báli, agriculturists.
Nou, barbers.
Kuma, potters.
Saátgat, washermen.
Táti, makers of shrouds.
Gatha, gardeners.
Sáwó, bleeders & suppliers of leeches.
Chhipi, dyers.
SiKami, carpenters.
Dákami, house builders.
Lóhóngkami, stone cutters.

† A list of Avalias:—1 Kocch, 2 Bodo, 3 Dhimála, 4 Garo, 5 Dolkhali, 6 Batar or Bór, 7 Kudi, 8 Hájong, 9 Dhanuk, 10 Marasha, 11 Amát, 12 Kébrat, 13 Khícha, 14 Palla, 16 Thárus (not own name in Sályan), 18 Bókse (Kumána), 17 Dáhi or Darhi (allied to Bhármu), 18 Thámi, 19 Pahi or Páhi (allied to Newar and Múrmul), 20 Kúnma (not own name), 21 Botia (allied to Kusvar), 22 Kuswár, 23 Dénwar (allied to two last), 24 Bhármu (allied to Dáhi), 25 Yáyu (not Avalias but broken tribe), 26 Chepang, and 27 Kusunda (ditto).

* The late Captain Cunningham (in epist.) refers the Dardurs (Darada) and the Donghrs to the upper region, as also the Kanets, who extend northward, beyond the Himálaya, where they even form “the mass” on either side the Sálíuj. They are of mixed origin, like the Khas of Népál, the Dogras of Punjáb, and the Gádi of Chamba.
The position and affinities of the last are still to me an enigma, as they were when I adverted to them in my work on the Kocch, Bodo, and Dhimál. As blacksmiths,* carpenters, curriers, etc., their services are, and ever have been, invaluable; yet they are degraded to the extent of being outcasts. Their manners have little, and their tongues nothing, and their physical attributes not much, to denote their race and lineage. Of the other two masses of the population, the unbroken tribes are clearly the more recent immigrants from the north, and in general they are distinguished by languages of the simpler Turanian type, whereas the languages of the other or broken tribes are of the complex or pronomenalized type, tending, like their physical attributes, towards assimilation with the Dravirian or the Ho, Sontal or Munda, sub-families of the sons of Túr. These broken tribes are demonstrated by their relative position to be of far older date in the Himála; as in Indo-China, and perhaps also in India, than the unbroken; and altogether, the phenomena of ethnology in the Himálaya warrant the conclusions, that the Himálayas were peopled by successive swarms from the great Turanian hive, and that its tribes are still traceably akin alike to the Altaic branch of the north and to the Dravirian and Munda of the south.† The Khas, Kanákta and Dégiras, and several others of the Western Himalaya, are clearly of mixed breed; aboriginal Tartars by the mother's side, but Arians (Bráhman and Ksheétrya) by the father's, as I have shown in my memoir on the military tribes of Népál. (J.A.S.B. May 1833.)

In reference to those European speculations touching the peopling of the Indian continent which have been lately raised, chiefly on the basis of my vocabularies, I may remark generally, that very remotely sundered periods of immigration, from the north by no means involve totally different routes of immigration, and still less races so trenchantly demarked from all the priorly recognized ones as have been lately assumed and denominated Gangetic, Lobitàc, Taíc, &c. Every day multiplies the proofs of affinity between the Himalaya and the recognized sub-families of Altaia, Indo-China, and Draviria; whilst, abating the single fact of the Bráhói tribe having lingual affinities with the Turanians, I see no safe ground for assuming that the sons of Túr entered India generally or exclusively by the well-known route of the immigrant Arians, or by any yet more southerly route. The hundred gates of the Himálaya and of its off-shoots have stood open in all ages; beyond them, in all ages, have dwelt the diversely tongued and featured tribes of the vastest, and most erratic, and most anciently widespread, but still single branch of the human race; and, as I find similar diversities of tongue and feature, characterising that branch alike in the Cis and Trans-Himalayan countries, so I believe that the former have been peopled from the latter by successive incursions along the whole Himalayan ghát line, of races and tribes which there is yet no sufficient ground for contra-distinguishing from all the here-

* Of all the unbroken tribes, the Magári alone have their own miners and smiths. See and compare what is told of the old mines and miners of the Altai. See also a note in my work on the Kocch, Bodo and Dhimál.
† See paper on Nilgiriáns, J.A.S.B., and also two essays on the Vayu and Bahaní tribes, in the same Journal (1857).
GEOGRAPHY OF THE HIMALAYA.

I

tofore recognized ones of the north.* African immigration at any time, and by any route, appears to me a sheer assumption. But it may well be, that some of the sons of Tūr entered by the Arian route, and that these were among the earliest immigrants, whose more westerly abode and point of entrance into India is still indicated by the higher structured tongues of their presumed descendants. But we must not forget that there are complex tongues at the eastern as well as at the western extremity of the Altaic region (in its wide sense); that many of these tongues are most imperfectly known; that Siṣān and Central Himalayas and Indo-China are now known to be tenanted by races speaking tongues of the complex type, some even more complex than the Dravirian, and more allied to the Gōnd, Ho and Sontal type; and, above all, that the essential character (including differences and resemblances) of the above adverted to several sub-types of language, embracing the true affiliation of the races using them, is yet to be determined. So that we can only now safely say that the general relationship of all the sons of Tūr in and beyond India is as certain as their more special and close affinities are uncertain.†

But to proceed with our zoological enumerations. To the upper region exclusively belong, among the ruminants, the bisons (poephagus) and musks, the wild goats (ibex, hemitragus) and wild sheep (pseudois, caprovis); among the rodents, the marmots and pikas (lagomys); among plantigrades, the bears proper (ursus). In the middle region, true bovines (boe) take the place of the bisons of the upper region; bovine and caprine antelopes (budorcas, capricornis, nemorhedus) replace its musks and wild goats and sheep; common rats and mice, and hares and porcupines and hedgehogs its marmots and pikas; and sun bears (helarctos) its true bears; whilst the deer family, unknown to the upper region, is here represented only† by the anomalous still-horns (stylocerus). In the lower region the ox-family is represented by bibos and bubalus (splendid wild types); the deer family, here abundant, by rusas, rucervi, axises, and still-horns to boot; the

* I allude more particularly to the writings of Prof. Max Müller and Dr. Logan. No one can more freely than myself admit the scholastic attainments and skill in the science of grammar of the former, or the immense and skilful industry of the latter. But I demur to their inductions; nor can I see the advantage of multiplying nominal, that is to say, undefined or crudely defined ethnological groups. We must have first a just definition of the family, and thereafter, by and bye, definitions of the several sub-families already recognized, when the definition of the rest may follow.

† In my papers on the Nilgirians and those on the Vayu and Bahing, above alluded to, I have classed the Himalayans under the two great divisions, of such as use pronominalized and complex and such as use non-pronominalized and simple tongues. In the memoirs on the Vayu and Bahing, I have analysed their languages as exemplars of the complex type of speech in Himalaya. The double pronominalization of those two tongues, indicates their close affinity to the Ho-Sontal group of languages of the plains.

† I am fully aware that Rusas (sāmber) are found in the western hills, but a careful consideration of the facts in that part of the Himalaya, with due advertence to the known habits of the group, satisfies me that these Deer have been driven into the western hills by the clearance of the Taisi and Bhāvers. For some remarks on this subject, see J.A.S. of Bengal No. 211, for January 1850, page 37.
antelopes by tetracerus, or the four-horned kind; the rodents by the bambú rats (rizomys) and spiny hares (caprolagus); and the bear family by the honey-bears (melursus); add to all which that to this region are exclusively confined all the pachydermes, such as the elephant and rhinoceros; and the monkeys also (somnopithecus et macacus), though not so exclusively in their case. The carnivora, again, are represented in the upper region by ounces, by foxes of a large sort (montanus), by the weasels proper, and by the aiuri or cats; in the middle region, by the wild dogs (cyon), the marten-wesels, leopards, thick-tailed leopards (macroceloidae), wild cats (murmensia, pardochrous, ogilvii), chaus or Lybian lynxes (Lybicurn), zibets, screwtails (paradoxurus), and prionodons; and in the lower region by tigers, leopards, hyenas, wolves, jackals, insectivorous foxes (kokri), bear-badgers (uretixius), sand-bears (arctonyx), urvas, mangooses, helictes or Oriental gluttons, small civets (viverrula), hiruntse screw-tails, and sharp-faced cats (celidogaster). Zibets and chaus recur in this region frequently, and one small species of mangoose (auropunctata) is found in special spots of the central region. The otters in the upper region are represented by the small golden and brown species (aurobrunnea); in the central, by monticola and indigitata; in the lower, by the large Chinese species (Sinensis). Among the squirrels, the great thick-tailed and large purple species (macruroides et purpureus) belong solely to the lower region; the small lories (locria et loricida) to the central; and the Siberian, to the upper; whilst flying squirrels, a numerous group, (magnificus, senex, chrysothrix, alboniger), are confined to the central region, so far as appears. In the bat group, the frugivorous species, or pteropines, all are limited to the lower region, whilst the horse shoes (rhinolophina) specially affect the central region; and the bats proper (vespertilionina) seem to be the chief representatives of the family in the northern region. From the class of birds, we may select, as characteristic of the three regions, the following:—

The true pheasants [phiasianus], the tetrougalli, the sanguine pheasants [ithauginis], the horned and crested pheasants [ceriornis, lophophorus] of the upper region, are replaced by fowl-pheasants [galophasis] in the mid-region, and by

Jackals have made their way (like crows and sparrows) to the most populous spots of the central region, but they are not proper to the region, nor Indian foxes, though some of the latter turned out by me in 1827 in the great valley of Népal have multiplied and settled their race there. *Ab his dice alia.* Tigers, for example, are sometimes found in the central and even northern region. But ample experience justifies my asserting that they are wandering and casual intruders there, whereas leopards are as decidedly fixed and permanent dwellers. As a sportsman during twenty years, I have, whilst shooting pheasants and cocks, fallen in with innumerable leopards, whose fixed abode in numberless locales was pressed on my attention involuntarily. But I never fell in with a single tiger, and I know them to be wanderers and intruders.

† The influence of longitude on geographic distribution might be singularly illustrated, did space permit, from numerous Himalayan groups, Gallusine and other: thus, for example, a black-breasted Ceriornis is never seen east of the Kuli, nor a red-breasted one west of it. So of the black and white-crested Gallophasia; whilst a black-backed one is never seen west of the Arun, nor a white-back east of it. With reference to the more dominant influence of latitude, or what is the same thing, elevation, I may add that the Rasores of the three transverse regions exhibit an exquisite sample of gradation from a Boreal or Alpine to a tropical type; Phasianus, Gallophasia and Gallus
fowls proper (gallus) in the lower. In like manner, among the partridges (perdicinae), the grouse and snow-partridges (lerva and sacfa) belong exclusively to the upper region;§ the chakôrs (caccabias) and the tree partridges (arboricola) to the central; and the francolines (francolinus) to the lower, though the black species of this last form are also found in the mid-region. In the pigeon group the blanched pigeons (leuconota) belong solely to the upper region; the vinous pigeons (Hodgsoni) to the central; and the green, the golden, and the banded (treron, chalcophaps, macropygia) almost as entirely to the lower; the treron alone partially entering the central tract from the lower.

The splendid Edolian shrikes (chibia, chaptia, edolius) belong exclusively to the lower region. They are replaced in the central tract by plain dicrurines, and in the upper by plainer laniane. The cotton-birds (campophaga) of the south are replaced by gaudy ampelines (cochoa) and leiothricinæs (leiothrix, pteruthius, cutia) in the middle region; but both groups seem excluded from the north. Among the fly-catchers the gaudy or remarkable species and forms belong wholly or chiefly to the lower region, as tchitreus, rhipidura, cryptolophia, myiagra, hemicichlidon, chelidorynæx; whilst those which approach the warblers (niltava, siphia, digenes) belong to the mid-region; and the plainer and more European types are alone found in the northern.

Among the fissirostres, goat-suckers and swallows are pretty generally distributed; but rollers, bee-eaters, eurylaimi, trogons, and all such gaudy types belong to the south, with only occasional alpine representatives, as bucia is of meropes. The tenuirostral birds belong distinctly to the lower region, yet they have representatives or summer visitors in all three, even among the sun-birds. Upon the whole, however, it may be safely said that the sun-birds (nectarinia) belong to the south; the honey-suckers (meliphasidæ) to the centre and south; and the creepers, honey-guides, nut-hatches, and wrens to the north and centre. The sylviæns or warblers are too ubiquitarian, or too migratory for our present purpose even Boreal types being common in the lower region in the cold weather. Horn-bills, barbets, parroquets (palœornis, psittacula) belong to the lower region, though they have a few representatives in the central; none in the upper. Woodpeckers abound in the lower and central regions, but are rare in the upper.

True cuckoos (cuculus) are as common and numerous (species and individuals) in the central region as walking cuckoos (phænicocæs, centropus, &c.) are in the southern, where also the golden (chrysococcyx) and dicrurine cuckoos (pseudo-næs) have their sole abode; whilst what few of the group belong to the upper region are all allied to the European type. Of the conirostral group, the ravens, pies, choughs, nut-crackers, and conostomes of the upper region are replaced in the central region by tree pies (cissa, dendrocittæ), jays, rocket-birds (psilorhinus), being thoroughly normal forms of their respective regions, and Gallophasis being as intermediate in structure and habit as in locæ.

Sacfa and Crosoptilon are more properly Tibetan.

§ Sacfa and Crosoptilon are more properly Tibetan.

† I have in this paper followed, without entirely approving Mr. Gray Junior's classification of my collections in the printed catalogue. The geographic distribution is now attempted for the first time. But I will recur to the subject in a separate paper devoted to it.
pie-thrushes (garrulax), timialias, and hoopoe thrushes (pomatorhinus); and in the lower region by the common Indian crows (culminatus et splendens), grackles, pastors, *stares, vagabond-pies and dirt-birds (malococercus). Thrushes proper, with rock-thrushes, ouesels, myophones, teesels, and hypsipetes are as abundant in the central and upper region as bulbuls, orioles, pittas are in the central and lower.

In the finch family the haw-finches, bull-finches, gold-finches and cross-bills (loxia) are as strictly confined to the upper region as are the corvine-cono-stomies, nut-crackers, choughs and ravens. The former are replaced in the central region by the buntings, wood-finches (montifringilla) and siakins; and in the lower region, by the weavers and munias. The raptorial-birds are in general to cosmopolitan to subserve the purposes of geographic distribution. Still it may be remarked that the archibuteon and true eagles belong, gaud breeding at least, to the upper region; the crested eagles (cicetus), the neophasa and hawk eagles (spizetus) to the central; and the pernes (halietus et pandion) and haliastur to the lower. Among the vultures the distinction is more marked; for the eagle vultures (gypsetus) belong exclusively to the upper region; the large European vultures (faius et cinereus) to the central; and the neophrons and the small Indian vultures (Bengalensis et tenuirostris) to the lower. The Himalaya abounds in falconidae, all the occidental types and species being found there, and many more peculiar and oriental ones; and it deserves special remark that whereas the former (imperialis, chrysaeos, lanarius, peregrinus, palumbarius, nius, etc.) affect the upper and central regions, the oriental types (hypotriorchiu, halietar, terax, hystiopus vel baza, elanus, poliorinus) are quite confined to the lower region.

Those perfect cosmopolitans, the waders and swimmers, migrate regularly in April and October, between the plains of India and Tibet, and, in general, may be said to be wanting in the mountains, though most abundant in the Tarai. The great herons (nobilis et cinear;us:) the great storks (migra et purpurea;) and great cranes (the cyrus, culms, and damaeselle) of the Tarai are never seen in the mountains, where the egrets alone and the little green and the maroon-backed represent the first group. But the soft-billed smaller waders (scolopacidae) are sufficiently common in the mountains, in which the woodcocks abound, breeding in the upper region and frequenting the central, and rarely the lower region, from October till April. Geese, ducks, and teals swarm in the Tarai, where every occidental type, so to speak, for they are ubiquitous, may be seen from October till April; and many oriental non-migratory types; whereas in the mountains the mergansers (orientalis) and the corvorants (Sinensis et pygmaeus) only are found, and that very scantily; with a few rails, ibises, porphyriu, hiaticula, gallinules, *When Darjeeling was established, there was not a crow or pastor or sparrow to be seen. Now there are a few crows and sparrows, but no pastors. Enormously abundant as all are in the lower region, this sufficiently proves they are not native to the central tract, though common in the great valley of Nepal. Sparrows first seen in 1855. Crows soon made their appearance.

†H. Schlagintweit procured a woodcock with its nest and young in June at an elevation of about 12,000 to 13,000 feet. They are frequently got, and snipes also, in the scrub rhododendron thickets near the snows.
and sandpipers, out of the vast host of the waders.† In the way of general remark
I may observe that the zoology of the Himalaya is much richer in the multitude
of its diverse forms (genera and species) than in individuals of the same form, and
that it is remarkably allied to the zoology of the Malayan islands, as may be seen at
once by a reference to the excellent work of Horsfield. As you pass northwards,
towards and across the snows, the forms and species tend much to approximation
with those of our European home; but the species are not often absolutely identical.

But I must hasten from these zoological details to make some remarks on the
sub-divisions of the lower region, a subject which, though in many ways interesting
and important, is so little understood, that the celebrated Mrs. Somerville, in
her excellent treatise on Physical Geography, has represented the Tarai as being
within, not only the Bháver, but the Sandstone range.§

All observant persons who have proceeded from any part of the plains of India
into the Himalaya are sensible of having passed through an intermediate region
distinguished by many peculiarities; and, if their route have lain to the north-
west, they can hardly have failed to notice successively the verdant Tarai, so
unlike the arid plains of Upper India; the vast primeval Saul forest, so every
way unique; and the Dhúns or valleys, separated from the last tract by a low
range of hills. The natives of the plains have in all ages recognized these several
distinct parts of the lower Himalayan region, which they have ever been, and
are still wont to frequent periodically, as strangers and foreigners, in order to graze
innumerable herds of cows and buffaloes in the Tarai, or to procure the indispens-
able timber and elephants peculiar to the Bháver, or to obtain the much-prized
drugs and dyes, horns and hides, (deer and rhinoceros,) râls and dhúnas (resin
of Saul and of Cheer), and timber of the Dhúns. Nor is there a single tribe of
Highlanders between the Cósí and the Sutlej which does not discriminate between
the Tarai or Tari, the Jhári or Bháver, and the Dhúns or Márí. Captain
Herbert has admirably described* the geological peculiarities and external aspect
of each of these well-known tracts. His details are, indeed, confined to the space
between the Káli and the Sutlej; but the general characteristics of these tracts
he affirms to be equally applicable to all the country between the Méchi and the
Sutlej; and Captain Parish, whilst confirming Herbert's statements, makes them
so likewise as far westward as the Beas.† What Captain Herbert states as holding
good from his own personal researches in regard to the Western Himalaya (Sutlej
to Káli), I can confirm from mine in regard to the Népalese portion (Káli to Méchi), but with this reservation that no more in the Western than in the Né-

† For an ample enumeration of the mammals and birds of the Himalaya, (150 sp.
of the former, and 650 of the latter,) see separate catalogue printed by order of the Trus-
tees of the British Museum in 1845. The distribution is not there given. For addi-
tions to the catalogue since 1845 see A and M of Natural History and Zoology Journal
of London, and Bengal Asiatic Society's Journal, and second catalogue of British
Museum, published in 1863.
§ Physical Geography, vol. i., p. 66.
* J. A. S. B., number 126, extra pp. 33 and 133, et seq.
† J. A. S. B., numbers 190 and 202, for April 1848-49.
GEOGRAPHY OF THE HIMALAYA.

Himalaya does the Sandstone range, with its contained Dhūns, prevail throughout or continuously, but only interruptedly or with intervals; and thus the Sallúnmári, the Gongtali-mári, the Chitvan-mári, the Makwanpur-mári, and the Bījaypur-mári of Népāl (which are mostly separate), represent with perfect general accuracy the Deyra, Kyarda, Pínjor, Pátal, and other Dhūns to the westward. The accompanying sectional outline will give a more distinct idea than any words could do of the relations of the several parts of the lower Himā-

Disposition of parts in the lower region of the Himalaya.

<table>
<thead>
<tr>
<th>The Tarai</th>
<th>The Bhāver</th>
<th>Sandstone range &amp; Dhūns</th>
<th>Mountains of central region</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The Tarai is an open waste, incumbered rather than clothed with grasses. It is notorious for a direful malaria, generated, it is said, by its excessive moisture and swamps—attributes derived, first, from its low site; second, from its clayey bottom; third, from innumerable rills percolating through the gravel and sand of the Bhāver, and finding issue on the upper verge of the Tarai (where the gravelly or sandy débris from the mountains thins out), without power to form onward channels for their waters into the plains. The forest is equally malarious with the Tarai, though it be as dry as the Tarai is wet. The dryness of the forest is caused by the very porous nature of that vast mass of diluvian detritus on which it rests, and which is overlaid only by a thin but rich stratum of vegetable mould, everywhere sustaining a splendid crop of the invaluable timber tree (Shorea robusta), whence this tract derives its name. The Sandstone range is of very incon siderable height, though rich in fossils. It does not rise more than three to six hundred feet above its immediate base, and is in some places half buried (so to speak) in the vast mass of débris through which it penetrates.* The Dhūns are as

*The low range which separates the Dhūn and Bhāver, on the high-road to Kathmándū, consists almost wholly of diluvium, rounded pebbles loosely set in ochrous
GEOGRAPHY OF THE HIMALAYA.

malarious and as dry as the Bhāver. They are from five to ten (often less, in one instance more) miles wide, and twenty to forty long, sloping from either side towards their centre, and traversed lengthwise by a small stream which discharges itself commonly into one of the great Alpine rivers—thus the Rāpūṭī of Chitwan-mārī falls into the Gandak, and that of Bījajpur-mārī into the Čaśī. The direction of the Māris or Dhūns is parallel to the ghāt line of the snows, and their substratum is a very deep bed of débris, similar to that of the Bhāver, but deeper, and similarly covered by a rich but superficial coating of vegetable mould which, if not cultivated, naturally produces a forest of Sauf equal to that outside the Sandstone range, and then in like manner harbouring elephants, rhinoceroses, wild bulls (*ţibos*), wild buffaloes, *ruas*, and other large deer (*ruceret*), with creeping things (*pythone*) as gigantic as the quadrupeds. The height of the Sandstone range Captain Herbert estimates at 3,000 feet above the sea, or 2,000 above the plains adjacent; and that of the Dhūns (at least the great one), at 2,500 above the sea, and 1,500 above the plains. These measurements indicate sufficiently the heights of the lower region, and it is observable that no elevation short of 3,000 to 4,000 feet above the sea suffices to rid the atmosphere of the lower Himalaya from malaria. Thus, the Tarai, the Bhāver and the Dhūns are alike and universally cursed by that poisonous atmosphere. And this (by the way) is one among several reasons* why I have assigned 4,000 feet of elevation as the southern limit of the healthful and temperate mid-region; that above it being the arctic or boreal, and that below it, the tropical region, though it must never be forgotten that much of the tropical characters, especially in the course of the seasons, pervades the whole breadth (and length likewise) of the Himalaya, whatever be the decrement of heat, and also that, from the uncommon depth of the glens in which the great rivers run, and which, in the central and even upper region often reduces the height of those glens above the sea below the limit just assigned for salubrity, such glens are in both these regions not unfrequently as malarious as is the whole lower region.†

clay, such as forms the great substratum of the Dhūns and Bhāver. The sandstone formation only shews itself where the rain torrents have worn deep gullies, and it there appears as white weeping sand, imperfectly indurated into rock. Crude coal, shale, loam, are found in this quarter, but no organic fossils, such as abound to the westward.

* By “diluvium” I merely mean what Lyell expresses by “old alluvium.” I advert not to the deluge, but simply imply aqueous action other than recent, ordinary and extant.

* That 4,000 feet of elevation form a good demarcation of the tropical and temperate regions of the Himalaya, is well denoted by the fact, that this is the point where snow ceases to fall, as I have ascertained in the Central and Eastern Himalaya by the observations of thirty years. What I mean is, that snow just reaches that limit and never falls beyond it or below it. It may be otherwise in the Western Himalaya, where snow is more abundant at equal elevations. The small or hill species of bamboo, which prevail from 4,000 to 10,000 of elevation, mark with wonderful precision the limits of the central healthful and normal region of the Himalaya. These most useful species (there are several) would doubtless flourish in Europe.

† Thus the valleys of the Great Rangit and of the Tishta, near and above their junction, are not more than 1,000 feet above the sea, at a distance nearly intermediate between the plains and the snows, and in the midst of the central region; and
GEOGRAPHY OF THE HIMALAYA.

But the above characteristics of the sub-divisions of the lower Himalayan region, how noticeable soever to the west of the Mechi, are by no means so to the east of that river, where a skilled eye alone can painfully detect the traces of the sandstone formation (without which there can be, of course, no Dhuins,) and where the Tarai, considered as a trough running parallel to the mountains, form no marked feature of the country, if indeed in that sense it can be said to exist at all. And as, even to the westward, the Sandstone range, with its contained Dhuins, is by no means constant, it may be desirable to attempt to characterise the lower region considered as a whole, without reference to local peculiarities or too rigidly defined sub-divisions. Now I conceive that the lower region owes its distinctive character, as a whole, to the vast mass of diluvial detritus, which was shot from the mountains upon the plains, like gravel from a cart, at some great geological epoch, and which has been, since its deposit, variously and often abraded both in degree and direction, by oceanic, and, in a far less degree, by ordinary floods. Where there was, at the epoch in question, no sandstone range to intercept the downward spread of the débris, this débris would necessarily be carried further south, and be of less thickness; where there was such a barrier, it would be carried less far southward and be accumulated in greater thickness, especially within the barrier; and, in like manner, where no sandstone range existed, but only spurs, sent forth, like bent arms, upon the plains from the mountains, the embayed détritus would still be deeply piled and lofty within such spurs, and thinly and unequally spread without them, by reason of the action of the spurs on the currents. Again, where, as from Gowhattty to Saddia, there was not room upon the plains for the free spread and deposit of the descending Himalayan détritus, owing to large rapid rivers and to other chains, both parallel and proximate to the Himalaya, the phenomena created elsewhere by the more or less unrestricted spread of the Himalayan détritus over the plains would necessarily be faintly, if at all, traceable. Lastly, if at the time of the descent of the débris, there existed a great dip in the Gangetic plains those valleys are consequently as malarious as the Tarai. So also the valleys of the Sunkosi at Damja and of the Trisuli below Nayakot, and many others well known to me. § In my recent expedition in the Tarai east of the Mechi, with Dr. Hooker, that accomplished traveller first detected traces of the sandstone formation, with imperfect coal, shale, etc., in a gully below the Pankabari Bungalow, as well as at Lohagarh. The sandstone rock barely peeped out at the bottom of the gully lying in close proximity with the mountains, so that nothing could be more inconspicuous than it was as a feature in the physiognomy of the country.

There is a signal example of this on the road to Darjeeling via Pankabari, where the débris, embayed by a curving spur, is accumulated to several hundred feet, and where, moreover, there is outside the spur a conspicuous succession of terraces, all due to oceanic forest, and clearly shewing that the subsidence of the sea was by intervals, and not at once. Constant observation has caused the people of the Tarai to distinguish three principal tiers of terraces, from the prevalent growth of trees upon each. The highest is the Saul level, the middle the Khair level, and the lowest the Sissu level; Shorea, Acacia and Dalbergia being abundantly developed on the three levels as above enumerated.

I do not imply by this phrase any reference to the theory that the sea has sunk and not the land risen. I think the latter much the preferable hypothesis, but desire merely to infer a change in the relative level of the two, and to link my facts upon the string of an intelligible system.
from north-west to south-east, the lithologic character, as well as the distribution, of the debris, would be materially affected thereby; for the subsiding oceanic current would have a set from the former to the latter quarter, and would continue to lash the gravel into sand, and here to deposit both in a series of terraces, there perhaps utterly to displace both, in the latter quarter long after the former had emerged from the waves. Now, that the Himalaya really was, at one time, in great part submerged; that the vast mass of detritus from the Himalaya at present spread over the plains in its vicinity was so spread by the ocean when the founts of the deep were broken up; that this huge bed of detritus, every where forthcoming, is now found in unequal proportion and distribution and state of comminution; as for example, deeper piled within than without the Sandstone range and the embaying spurs, and also, more gravelly and abundant to the north-west, more sandy and scant to the south-east; and, lastly, that the Gangetic plain really now has a great oblique dip† from the Sutlej at Ruper to the Brahmaputra at Gwâlpâra, whereby all the Himalayan feeders of the Ganges are in the plains so much bent over to the eastward—these are presumptions relative to the past, as legitimate as the extant facts suggesting them are incontrovertible; and we have but to observe how, at the grand epoch adverted to, the action of general causes was necessarily modified by the peculiar features of the scene, as above indicated, in order to come at a just conception of the aspect and character of the lower Himalayan region, all along the line of the mountains. Thus the longitudinal trough parallel to the mountains, and exclusively denominated the Tarai by Captain Herbert, may to the north-west have been caused by the set of the subsiding oceanic current from north-west to south-east; but however caused, it exists as a palpable definite creature, only beneath the Thakorain and Kî mâun, is faintly traceable beneath Népal, and is wholly lost beneath Síkhim and Bhûtân. But the great bed of debris is everywhere present, and with no other distinctions than those pointed out, whether it be divided into Bher and Dhán, by the Sandstone range, as is usually the case west of the Bâchi, or be not so divided owing to the absence of that range, as is always the fact east of the Bâchi. Again, every

* Captain Herbert has given statements of its depth to the westward, where there is a Sandstone range. To the eastward, where there is none, I found it on the right bank of the Tishta, under the mountains, 10 feet; at fifteen miles lower down, 90 to 70 feet; at fifteen miles still further off the mountains, 40 to 50 feet. There was here no interruption to the free spread of the detritus, and I followed one continuous slope and level—the main high one. The country exhibited, near the rivers especially, two or three other and subordinate levels or terraces, some marking the effect at unusual floods of extensive fluvial action, but others unmistakeably that of pristine and oceanic forces. I measured heights from the river. I could not test the sub-surface depth of the bed. There was everywhere much more sand than gravel, and boulders were rare.

† Saharanpûr is 1,000 feet above the sea; Mûrâdâbâd 600; Gorâkhpûr 400; Dumdanga 312; Rângâpur 200; Gwâlpâra 112. My authorities are As. Res. vol. xii., J.A.S. B. No. 126, Boyle's Him. Bot., Griffith's Journals, and J. Prince in epist. The oblique dip to the plains towards the east seems to be increasing, for all the Himalayan rivers descending into the plains, as they quit their old channels, do so towards the east only. I would propose, as an interesting subject of research, the formal investigation of this fact, grounding on Rennell's maps and noting the deviations which have occurred since he wrote. The Tishta which fell into the Ganges now falls into the Brahmaputra.
GEOGRAPHY OF THE HIMALAYA.

Where there is, at that point where this vast bed of gravel and sand thins out, a constantly moist tract, caused by the percolation of hill-waters through the said bed, and their issue beyond it; and that constantly moist tract is the Tarai, whether it runs regularly parallel to the line of mountains and be distinctly troughed, as to the Westward is the case, or whether there be no such regularity, parallelism, or of troughing, as to the Eastward is the case.

Why that vast mass of porous débris, which every where constitutes the appropriated domain of the Saúl forest, and that imporous trough outside of it, which every where constitutes its drain, should as far Eastward as the Méchi, be both of them developed parallerly to each other and to the line of the mountains, whilst beyond the Méchi Eastward to Assam (exclusive) they should exhibit little or no such parallelism, but should rather show themselves plainwards, like an irregular series of high salient and low resilient angles resting on the mountains, or like small insulated plateau, or high undulated plains, surrounded in both the latter cases by low swampy land analogous to the Tarai, it would require a volume to illustrate in detail. I have given a few conspicuous instances in the foot-notes. For the rest, it must suffice to observe that such are the general appearances of the Bháver and Tarai to the Westward and to the Eastward; and that the general causes of the differences have been pretty plainly indicated above, where the necessary effects of the sandstone range, of the mountain spurs, and of the Eastern dip of the plains upon those oceanic forces, to which all phenomena of the region owe their origin, have been suggested.

Throughout Assam, from Gwálápárá to Saddia, Major Jenkins assures me there is neither Bháver nor Tarai; and if we look to the narrowness of that valley between the Himálaya and the mighty and impetuoue Brahmapúttra, and consider moreover the turmoil and violence of the oceanic current from the N.W., when its progress was staid by the locked-up valley of Assam, we shall be at no loss to conceive how all distinctive marks of Bháver and Tarai should here cease to be traceable.

It will be observed that, in the foregone descriptions of our Himalayan rivers, I have not adverted (save casually in one instance, in order to correct an error

* Parbat Jowár, on the confines of Assam and Rangpur, is one of the most remarkable of these small plateau. It is considerably elevated, quite insolated, remote from the mountains, and covered with saul, which the low level round exhibits no trace of. Parbat Jowár is a fragmentary relic of the high level, or Bháver, to which the saul tree adheres with undeviating uniformity.

† Conspicuous instances occur round Dinajpúr and north-west and north-east of Sili-gori in Rangpur, where are found highly undulated downs, here and there varied by flat-topped detached hillocks, keeping the level of the loftiest part of the undulated surface. Looking into the clear bed of the Tishta, it struck Dr. Hooker and myself at the same moment, how perfectly the bed of the river represented in miniature the conformation of these tracts, demonstrating to the eye their mode of origination under the sea.

‡ The climate of that portion of the Eastern Himalaya, which is screened from the south-west monsoon by the mountains South of Assam, is less humid than the rest, precisely as are the inner than the outer parts of the whole chain. The fact, that much less snow falls at equal heights in the humid Eastern than in the dry Western Himalayas, depends on other causes. Darjeeling has not half as much snow as Simla.
as to the true name of the Káli) to their partial Trans-Himalayan sources. And I confess it seems to me, that perspicuity is by no means served by undue insistence on that feature of our rivers. Captain Herbert was thus led to travel beyond his proper limits with a result by no means favourable; for, it appears to me, that he has confounded rather than cleared our conceptions of Central Asia as the Bám-dúnya (dome of the world) by attempting to detach therefrom that most characteristic part of it, the plateau of Tibet, because certain Indian rivers have (in part) Tibetan sources! My theory of water-sheds does not incline me to venture so far into regions too little known, to allow of the satisfactory settlement of the question, and the less so, inasmuch as the rivers I have to speak of would not afford so plausible an excuse for so doing, as if I had to treat of the Indus, Sutlej, and Bráhmapútra alius Sánpu.† The Arun and the Kamáli, though they draw much water from Tibet, draw far more from the "pente meridionale" of the Himalaya, or the ghát line and all South of it; and this is yet more true of the Ganges, the Mónas and Tishta, though they also have partial Trans-Himalayan sources. To those sources of the several Himalayan (so I must call them) rivers above treated of, I will now summarily advert:—

The Mónas.—It is by much the largest river of Bhútán, which state is almost wholly drained by it. It has (it is said) two Tibetan sources, one from Lake Yándotse vel Pálté vel Yarbroyum, which is a real lake, and not an island surrounded by a ring of water as commonly alleged—the other, from considerably to the West of Pálté. These feeders I take to be identical with Klaproth's Mon-tchú and Na-tchú vel Lábnak-tchú, strangely though he has dislocated them.

The Tishta is also a fine river, draining the whole of Sikhim, save the tracts verging on the plains. The Tishta has one Tibetan source, also, from a lake, etc., that of Chólámú. To speak more precisely, there are several lakelets so named, and they lie close under the N. W. shoulder of Powhánry, some thirty miles W. and forty S. of Turner's lakes.

The Arú is the largest of all the Himalayan rivers, with abundant Cis-Himalayan and three Trans-Himalayan feeders. One, the Western, rises from

* Recte Saláj vel Satrudra.
† Dr. Gutzlaff, once read a paper before the Geographical Society of London, and reverted to Klaproth's notion, that the Sánpu is not the Bráhmapútra. But Mr. Gutzlaff overlooked J. Prinsep's important, and I think decisive argument on the other side, viz., that the Bráhmapútra discharges three times more water than the Ganges, which it could not do if it arose on the north-east confines of Assam, notwithstanding the large quantity of water contributed by the Mónas. Yárú or Yerú (Erú) is the proper name of the river we call Sánpu, which latter appellation is a corruption of the word Taang-po,* referring either to the principal province (Taang) watered by the Yárú, or to the junction therewith, at Digarchi, of another river called the Taang, which flows into the Yárú from the Nyenchhen chain or Northern boundary of Southern Tibet. Erú vel Arú is the proper spelling. But words beginning with the vowels á and é, take initial y in speech. I take this occasion to observe, in reference to the Yándo lake above mentioned, that it is not, as commonly described and delineated in our maps, of a round shape, but greatly elongated and very narrow. It is stated to me on good authority to be eighteen days' journey long (say 180 miles), and so narrow in parts as to be bridged. It is deeply frozen in winter, so as to be safely crossed on the ice, whereas the Erú river is not so, owing to the great force of its current—a circumstance proving the rapid declivity of the country watered by this great river.

* [Taang po means simply 'river,' and should not be called Sánpu but Taang po.—J. S.]
the "pente septentrionale" of the Himálaya, in the district of Tingri or Pékhu; another, the Northern, from a place called Dúrré; and a third, the Eastern, from the undulated terraced and broken tract lying N. and a little W. of Chólamú and S. of Kambala, or the great range which bounds the valley of the Yárá* on the S. from W. of Digarchi to E. of Lhásā.

The Karnáli is much larger than the Alpine Ganges, and nearly equal to the Arun, perhaps quite so. It drains by its feeders the whole Himálaya between the Nanda-dévi and Dhóula-gíri peaks, and has itself one considerable Tibetan source deduced either from the north face of Himáchal near Momonangli, or from the east face of that crescented sweep, whereby Gángrí nears Himáchal, and whence the Karnáli flows eastward to the Taklakhár pass.

The Ganges also has of late been discovered to have one Tibetan feeder, viz., the Jñáñával, which after traversing a good deal of broken country in Gnári, between the Sutlej and the Himálaya, passes that chain at the Nilang Ghát to join the Bhágarathi.

I will conclude this paper with the following amended comparative table of Andean and Himálayan peaks, Baron Humboldt having apprised me that Pentland's measurements, as formerly given by me, have been proved to be quite erroneous, and Colonel Waugh having recently fixed Kangchan and Chumálbári with unrivalled precision and accuracy:

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aconcágua ........ 23,000</td>
<td>Jamnourí ........ 25,600</td>
</tr>
<tr>
<td>Chimbarazo ........ 21,424</td>
<td>Nanda-dévi ........ 25,593</td>
</tr>
<tr>
<td>Sorato ............ 21,286</td>
<td>Dhóula-gíri ...... 27,600</td>
</tr>
<tr>
<td>Illimani ........... 21,149</td>
<td>Gosain-thán ....... 24,700</td>
</tr>
<tr>
<td>Descabasado ........ 21,100</td>
<td>Dévadhúnga ....... 29,002</td>
</tr>
<tr>
<td>Desya-cassada ....... 18,570</td>
<td>Kangchan ........ 28,176</td>
</tr>
<tr>
<td></td>
<td>Chumálbári ....... 29,029</td>
</tr>
</tbody>
</table>

N.B.—Dévadhúnga vel Bháivravtha vel Nyanam, half way between Gosain-thán and Kangchan, is 29,002, ft. determined in 1856. Kang-chan, 'abounding in snow.' Chúmbálári, 'holy mountain of Chúmbá.' These are Tibetan words; the other names are Sanskritic, but set down in the Prakritic mode, e.g., Jamnávati equal to Jamnourí, etc.

POSTSCRIPT.—That sensible and agreeable writer, Major Madden, in a letter (May 1840) to Dr. Hooker, notices "the disgraceful state of our maps of the

* The valley of the Yárá is about sixty linear miles from the Síkím Himálaya (Láchéa and Donkia passes); but the intermediate country, called Dámsen, is so rugged, that it is ten stages for loaded yáks from the one terminus to the other. Dámsen is stated to be one of the most rugged and barren tracts in the whole of Utáing or Central Tibet, a howling wilderness.—Hooker.


‡ Humboldt, in his Aspects of Nature, has given some further corrections of those heights. There are three peaks superior to Chimbarazo, but inferior to Aconcágua.
GEOGRAPHY OF THE HIMALAYA.

Himálaya, which insert ridges where none exist, and omit them where they do exist; and moreover, in regard to all names, show an utter ignorance of the meaning of Indian words." It is the express object of the above essay to contribute towards the removal of the weightier of these blemishes of our maps, without neglecting the lesser, by exhibiting, in their true and causal connexion, the great elevations and the river basins of the Himálaya. Major Madden supposes that the term Hyún-déś, which he applies to Tibet, points to that region as the pristine abode of the Huns. But this is a mistake. Hyún-déś is a term unknown to the language of Tibet. It is the equivalent in the Khas or Parbatia language for the Sanskrit Himátyádés, or land of snow. Its co-relative term in the Parbatia tongue is Khas-déś, or land of the Khas. The Khas race were till lately (1810) dominant from the Satlúj to the Tishtá: they are so still from the Káli to the Mécchi. Hence the general prevalence of geographic terms derived from their language. By Hyún-déś the Parbatias mean all the tracts covered ordinarily with snow on both sides of the crest or spine of Hémácha, or the gház line; and by Khas-déś, all the unsnowed regions south of the former, as far as the Sandstone range.

The Bráhmans and those who use Sanskrit call the Hyún-déś, Bhútánt or appendage of Bhóti, and hence our maps exhibit à Bhútánt in what Trall denominates (A. R. vol. 10) the Bhote pergansahs of Kümúmn. But Bhútánt is not restricted by the Bráhmans to such pergansahs in Kümúmn merely, far less to any one spot within them. It includes all the districts similarly situated along the entire line of the Himálaya. We might create confusion however by recurring to his extended meaning of the word, since it has long been restricted by us to the Déb Rákhab’s territory, or Bhútán (recte Bhútánt). Moorcroft’s Giannak in Western Tibet is the ne plus ultra of abuse of words. Far to the east, some Bhótia must have told him, lie the Giannak or Chinese, and thereupon he incontinently gives this term as a name of place.

The Tibetans call their neighbours by the generic name Gya, to which they add distinctive affixes, as Gya-nak, black Gyas, alias Chinese; Gya-ver, yellow Gyas, alias Russians; and Gya-gar, white Gyas, alias Hindús. With reference to the Huns, if I were in search of them in Tibet, I should look for them among the Hor of that country, as I would for the Scythians among the Sóg vel Sók. Sogiana or Sókland was, I conceive, the original Zakeia, the first known historic seat of the Indian Sákás and Tibetan Sóg vel Sók. Hóríók, as one term, means Nomade, in Tibetan such being still the condition of those two tribes in Tibet.

* For a sample of this tongue, which has a primitive base, but overlaid by Pracrit, see J. A. S. B. No. 191, June 1848.

† Observe that these epithets do not refer to the colour of men, but only to that of their dress; the Chinese are fond of black clothes and the Indians universally almost wear white ones. The like is probably equally true of similar designations of Turanian tribes in various other parts of the vast Tartaric area (e.g. Red Káren), though Ethnic theories have been spun out of the other interpretation of these distinctive terms.
The following paper was written in 1847. It was then presented to the Asiatic Society of Bengal, as a summary view of the affinities of these tribes as deduced from a tolerably copious comparison of their languages or dialects.

Accordingly, I submitted a comparative vocabulary of twelve of the dialects found in the Central* sub-Himalayas, inclusive; for comparison's sake, of the written as well as spoken language of Tibet, it being of much importance to give this language in both forms; first, because it is employed in the former state with many unuttered letters, and second, because all the dialects or tongues with which it is to be compared exist only (with two exceptions§) in the latter or unwritten and primitive state.

With regard to the English vocabularies selected, I have adopted those of Mr. Brown, in order to facilitate comparisons with the Indo-Chinese tongues, as exemplified by him; but, to his nouns substantive, I have added some pronouns, numerals, verbs, adverbs, prepositions, conjunctions, and adjectives, under the impression that nothing short of such a sample of each of the parts of speech could at all suffice for the attainment of the end in view. Geographically or topically, I have confined myself to the East of the river Káli or Ghagra, as well because the dialects prevailing to the Westward of that river are for the most part extremely mixed, and indeed almost merged in the ordinary tongues of the plains of Hindústan, as also because I have no immediate access to the people of the West. The case is very different in the Eastern sub-Himalayas, where I was domiciled, and where, as will be seen, the Indian Prakrita have hardly been able to make a single cognizable impression upon any of the numerous vernaculars of the people, with the sole exception of the Khás or Parbatia Bhása, which, as being a mongrel tongue I have omitted. I have likewise, for the present, omitted some interesting tongues of a genuinely aboriginal character, which are spoken East of the Káli, either by certain forest tribes existing in scanty numbers, nearly in a state of nature, such as the Chépáng and Kusánda, or by certain other peculiar and broken tribes, such as the Háyu, the Kúsár, the Botis, the Dénwár, Dárré or Dahri, Bhrámu, Tháru, and Bókas, who cultivate those low valleys from which malaria drives the ordinary

* I formerly spoke of the Himalaya, as divided lengthwise (north-west to south-east) into Western and Eastern. I now regard it as divided into Western (Indus to Káli), Central (Káli to Tishta), and Eastern (Tishta to Brahmakund) portions. The present paper treats of the Central Himalaya. Breadthwise the chain is regarded as divided into the Northern, Middle, and Southern regions, the word region being always added to contra-distinguish the latter demarcation. Himalaya properly speaking is the perpetually snowed part of the chain. I used to contra-distinguish the lower part or southern slope by the term sub-Himalayas. But objections having been raised, I now acquiesce in the term Himalaya as applied to the whole.

§ The exceptions are the Néwári and Lepsha, which form the topic of my second essay.
ABORIGINES OF THE HIMALAYA.

That ordinary population, exclusive of the now dominant Khas or Parbattias Proper, above alluded to, consists, between the Káli and the Dhanari, in Népál, Sikim, and Bhútán of: 1st. Cia-Himálayan Bhútias vel Tibetans, called Rongbo, Siéna or Káth Bhútias, Pálu Sén, Sérpa or Sharpa etc.; 2nd. Súnwar; 3rd. Gúrung, 4th. Magar; 5th. Múrmi; 6th. Néwár; 7th. Kiránti; 8th. Linbu vel Yak thúmba; 9th. Lepcha or Dedunjong-maró; 10th. Bhútanes or Loépá vel Dúkpa.

I have enumerated the races as they occur, in tolerably regular series, from west to east, in given and definite locations of old standing; but the first named are found pretty generally diffused throughout the whole extent, west and east, of my limits, though confined therein to the juxta-nivean tracts or Cachár region; whilst the participation of the Gúrungs and Magars, or military tribes, in the recent political successes of the now dominant Khas, has spread them also, as peaceful settlers, in no scanty numbers, easterly and westerly, from the Káli to the Móchi. The rest of the tribes have a more restricted fatherland or jánam bhumí, and indeed the locale of the Magars and Gúrungs, not a century back, or before the conquests of the House of Gákha, was similarly circumscribed; for the proper habitat of these two tribes is to the west of the great valley, which tract again, (the valley), and its whole vicinity, is the region of the Múrmls and Néwàres; whilst the districts east of the great valley, as far as Sikim, are the abode of the Kirántis and Limbás, as Sikim is that of the Lepehas, and Déva Dharmas or Bhútans that of the Loépas or Dúkpas, usually styled Bhútanes by us. These constitute, together with the Súnwarés, who again are mostly found west of the great valley and north of the Magars and Gúrungs, near and among the cis-nivean Bhútias,§ the principal alpine tribes of the sub-Himálayas between that western point (the Káli) where the aboriginal tongues are merged in the Prákritis and that eastern limit (the Dhanari) where they begin to pass into so-called monosyllabic-tongued races of presumed Indo-Chinese origin.

The sub-Himálayan races I have just enumerated inhabit all the central and temperate parts of those mountains, the juxta-nivean or northernmost tracts being left to the Rongbo vel Sérpa vel Pálu

* See p. 14, part ii. of this volume, supra, and note.
† Parbattias means 'Highlander,' but this general sense of the word is restricted by invariable usage to the Khas.
‡ The Néwàres of Népál Proper call the cis-nivean Bhútias, Pálu Sén, and the trans-nivean, Thá Sén. The Chinese call the Mongolian Tartars, Thá Thá.

|| Loépa is a territorial designation, Dúkpa a religious, that is, the country is called Loé, and the sect of Lamaism prevailing in it, Dúk. Kliproth's Lokabádjas, and Ritter's Lokba, are both equivalent to Bhútán vel Loé. The post-fix ba means 'of, or belonging to,' so that Lokba, recte Loépa, is 'a Bhútanes man or native of Loé.'
§ Bhútia is the Sanskrit, and Tibetan the Persian, name, for the people who call themselves Bodpás, or Bod, a corruption possibly of the Sanskrit word Bhút.

2* More recent researches induce me to demur entirely to a trenchantly demarked monosyllabic class of tongues, and to adopt the opinion that India (Dravirian) and the countries around it on the north and north-east were peopled by successive incursions of affiliated tribes of Northmen, among whom I see no sufficient reason to segregate from the rest, as is commonly done, the Bodpás of Tibet, the Eastern Himálayans, nor even the proximate Indo-Chinese or people of Western Indo-China.
ABORIGINES OF THE HIMALAYA.

Sên, and the southernmost parts, as well as the low valleys of the interior and central region, being abandoned to the Kúsâwâs, Dênâwâs, Dürrâs, and other malaria-defying tribes, which, for the present, I do not purpose to notice. The people under review therefore may be said to occupy a highly healthful climate, but one of exact temperatures as various as the several elevations (four to ten thousand feet) of the ever-varied surface; and which, though nowhere troubled with excessive heat, is so by excessive moisture, and by the rank vegetation that moisture generates, with the aid of a deep fat soil, save in the Cachâr or juxta-nivean region, where the lower temperature and poorer scantier soil serve somewhat to break the prodigious transition from the thrice luxuriant sub-Himalayans to the thrice arid plains of Tibet.

That the sub-Himalayan races are all closely affiliated, and are all of northern origin, are facts long ago indicated by me,* and which seem to result with sufficient evidence from the comparative vocabularies now furnished. But to it lingual evidence in a more ample form will however in due time be added, as well as the evidence deducible from the physical attributes, and from the creeds, customs and legends of these races. It must suffice at present to observe that the legends of the dominant races indicate a transit of the Himalaya from thirty-five to forty-five generations back—say 1,000 to 1,300 years, and that I prefer the remoter period because the transit was certainly made before the Tibetans had adopted from India the religion and literature of Buddhism, in the seventh and eighth centuries of our era. This fact is as clearly impressed upon the crude dialects and cruder religious tenets of the sub-Himalayans as their northern origin is upon their peculiar forms and features, provided these points be investigated with the requisite care; for superficial attention is apt to rest solely upon the Lamaism recently as imperfectly imported among them, and upon the merely exceptional traits of their mixed and varying physiognomy. That physiognomy exhibits, no doubt, generally and normally, the Scythic or Mongolian type (Blumenbach) of human kind, but the type is often much softened and modified, and even frequently passes into a near approach to the full Caucasian dignity of head and face, in the same perplexing manner that has been noticed in regard to the other branches of the Allophylian tree, though among the Cis- or Trans-Himalayans there is never seen any greater advance towards the Teutonic blond complexion than such as consists in occasional ruddy moustaches and grey eyes among the men, and a good


† Of these religious tenets, the full description given in my work on the Kóch, Boda, and Dhimâl, may be accepted as generally applicable. The Bonpa faith of Tibet (the old creed of that country) and the Shamanism of Siberia are both more or less cultivated types of the primitive creed, subsequently largely adopted into Brâhmanism and Buddhism. The exorcist of the Mûrî or Tamar tribe is still called Bonpa, and every tribe's chief priestly agent is an exorcist, variously named. §See Prichard, Vol. IV. pp. 323, 344, 356, and Humboldt's Asia Centrale 2.62 and 133. Who could suppose the following description referred to a Scythic race?—"Genus albo colore est atque pulchritudine et forma insigné."
deal of occasional bloom upon the cheeks of the children and women. A pure white skin is unknown, and the tint is not much less decided than in the high caste Hindus; but all are of this pale brown or isabelline hue in Tibet and the sub-Himalayas, whilst the many in the plains of India are much darker. The broken or depressed tribes above alluded to passed the Himalaya at various periods, but all long antecedent to the immigration of the dominant tribes, and prior to the least whisper of tradition; and the lingual and physical traits of these broken tribes, as might be expected, constitute several links of connexion between the Altsic tribes on the north and the Dravirian on the south. The general description of the Himalayans, both of earlier and later immigration is as follows:—head and face very broad, usually widest between the cheek-bones, sometimes as wide between the angles of the jaws; forehead broad, but often narrowing upwards; chin defective; mouth large and salient, but the teeth vertical and the lips not tumid; gums, especially the upper, thickened remarkably; eyes wide apart, flush with the cheek, and more or less obliquely set in the head; nose pyramidal, sufficiently long and elevated, save at the base, where it is depressed so as often to let the eyes run together, coarsely formed and thick, especially towards the end, and furnished with large round nostrils; hair of head copious and straight; of the face and body deficient; stature rather low, but muscular and strong. Character phlegmatic, and slow in intellect and feeling, but good-humoured, cheerful and tractable, though somewhat impatient of continuous toil. Polyandry yet exists partially, but is falling out of use. Female chastity is little heeded before marriage, and drunkenness and dirtiness are much more frequent than in the plains. Crime is much rarer, however, and truth more regarded, and the character on the whole amiable. The customs and manners have nothing very remarkable, and the creed may be best described by negatives. Indifference is the only, but heretofore effective obstacle to indoctrination by Brâhmanical, Buddhist, or Christian teachers, so that the Scottish phrase "we cannot be fashed" seems best to describe the prevalent feeling of the Himalayans on this, as on many other matters. The whole population is intensely tribal, some races still bound together by a common appellation, as the Kirântis for example, being nevertheless divided into several sects, distinguished from each other by strongly marked dialects, non-intermarriage, and differences of customs, whilst the tribes which bear distinct names are still more palpably separated in those respects. But the barrier of caste, in the true sense, is unknown, and on the other hand there exists not in any tribe, race or nation, any notion of a common human progenitor, or eponymous deity.* The general status of all the tribes and races is that of nomadic cultivators. "Arsē in annos mutant et superest ager" is as true now of the Himalayans as it was of our ancestors when they burst the barriers of the Roman Empire. A few tribes, such as the Néwâr, have long become stationary cultivators; and the Gûrungs are still, for the most part, pastoral. There are no craftsmen, generally speaking,

*The instance of the Gorkhalis, who undoubtedly derive their appellation from the demi-God Gôrâkh (Gôrakash) Nath, is only a seeming exception, recent and borrowed.
proper to these tribes, stranger and helot races, located among them for ages untold, being their smiths, carpenters, curriers, potters, &c., and the women of each tribe being its domestic weavers. The Newâra alone have a literature, and that wholly exotic; and they alone have made any attempts at the fine arts, in which they have followed chiefly Chinese, but also Indian, models.

Before concluding this notice of the Alpine Indian aborigines, it may be as well to define summarily the limits and physical characters of their original and adopted abodes, or Tibet and the Sub-Himalayas. Tibet is a truncated triangular plateau, stretching obliquely from south-east to north-west, between 28° and 30° of north latitude and 72° and 102° of east longitude. It is cold and dry in the extreme, owing to its enormous elevation, averaging 12,000 feet above the sea, to the still vaster height of those snowy barriers which surround it on every side, and which on the south reach 26,000 feet, to an uncommon absence of rain and cloud, to the extreme rarification of its atmosphere, to its saline and sandy soil, and as a consequence of all these and a reciprocating cause too, to the excessive scantiness of its vegetation. It is bounded on the south by the Hemâchal, on the north by the Kuenlun, on the west by the Belb, and on the east by the Yünling—all for the most part perpetually snow clad, and of which the very passes on the south average 18,000 to 17,000 feet of elevation. Tibet is, for the most part, a plain and a single plain, but one extremely cut up by ravines, varied much by low bare hills, and partially divided in its length by several parallel ranges approaching the elevation of its barriers, and between the third and fourth of which ranges stand its capitals of Lhâsa and Dîgarchî. These capitals are both in the central province of the Utsâng, all west of which, to the Belûr, compose the province of Nâri, and all east of it, to Sîkhm, the province of Khâm, provinces extending respectively to Bukhâria and to China. Tibet, however arid, is nowhere a desert,5 and however secluded, is on every side accessible; and hence it has formed in all ages the great overland route of trade, and may even be called the grand ethnic, as well as commercial, highway of mankind; its central position between China, India, and Great Bukhâria having really rendered it such for ages, before and since the historic era, despite its snowy girdle and its bleak aridity. Hence we learn the supreme importance of Tibet in every ethnological regard. Its maximum length is about 1,800 miles, and maximum breadth about 450 miles; the long sides of the triangle are towards India and Little Bukhâria; the short one, towards China; the truncated apex towards Great Bukhâria, where the Belûr, within the limits of Tibet, has an extent of only one degree, or from 35° to 36° N. lat.; whereas the base towards China, along the line of the Yünling, reaches through 8° or from 28° to 36° N. lat. Just beyond the latter point, in the north-east corner of Khâm, is Sîling or Tangût, the converging point of all the overland routes, and which I should prefer to include ethnologically within

* De Körte from native written authority opusd J. A. S. B.

5 In the next plateau of High Asia, or that of Little Bukhâria, the vast desert of Co-bî or Gobi, which occupies the whole eastern half of that plateau, has ever formed, and still does, a most formidable obstruction to transit and traffic.
Tibet, but for the high authority of Klaproth, who insists that we have here a
distinct language and race, though certainly no such separating line in physical geography,
Siling or Tangut being open to the plateau of Tibet as well as to those of
Little Bukharia and Songaria though demarked from China both on the north and
east by the K'i-lien and Peling respectively.

South of the whole of Tibet, as above defined, lie the Sub-Himálayas, stretching
from Gilgit to Bráhmákend, with an average breadth of ninety miles, divided cli-
matically into three pretty equal transversal regions, or the northern, the central,
and the southern, the first of which commences at the ghats line of Hemáchal, and
the last ends at the plains of Hindooastan; the third lying between them, with
the great valley of Népál in its centre. That valley is of a lozenge shape, about
sixteen miles in extreme length and breadth, cultivated highly throughout,
and from 4,200 to 4,700 feet above the sea. The only other valley in the whole
eastern half of the Sub-Himálayas is that of Jumá, which is smaller and higher,
yielding barley (Hordeum celeste,) as the great valley, rice. To the west is
the large but single vale of Cashmere and the Dunes, both too well known to re-
quire further remark. The sub-Himálayas form a confused congeries of enorm-
ous mountains, the ranges of which cross each other in every direction, but
still have a tendency to diverge like ribs from the spine of the snows, or a
south-east and north-west diagonal, between 29° and 35°. These mountains are
exceedingly precipitous and have only narrow gills dividing their ridges, which
are remarkable for continuity or the absence of chasm and rupture and, also for
the deep bed of earth everywhere covering the rock and sustaining a matchless
luxuriance of tree and herb vegetation, which is elicited in such profusion by in-
numerable springs, rills, and rivers, and by the prevalence throughout all three re-
gions of the tropical rains in all their steadiness and intensity. There are three
or four small lakes in Kúmsún situated near each other, and three or four more in Pókra similarly juxtaposed. But in general the absence of lakes (as of level
dry tracts) is a remarkable feature of the Sub-Himálayas at present, for anciently
the great valleys of Cashmere and Népál, with several others of inferior size,
were in a lacustrine state. The great rivers descend from the snows in nume-
rous feeders, which approach gradually and unite near the verge of the plains,
thus forming a succession of deltic basins, divided by the great snowy peaks as
water-sheds, thus:—

<table>
<thead>
<tr>
<th>Basins</th>
<th>Peaks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Alpine Gangetic basin.*</td>
<td>Nanda-dévi</td>
</tr>
<tr>
<td>2. Kármálic basin</td>
<td>Dhavalagíri</td>
</tr>
<tr>
<td>3. Gandacéan basin</td>
<td>Goesin-thán</td>
</tr>
<tr>
<td>4. Céslan basin</td>
<td>Kángchánjünga</td>
</tr>
<tr>
<td>5. Tiahtan basin</td>
<td>Chumalhâri</td>
</tr>
<tr>
<td>6. basin of the Mónas</td>
<td>The Gemini, two unnamed peaks</td>
</tr>
</tbody>
</table>

* Siling or Tangut is in Sók-yul or the country of the Mongol tribe.

It must be admitted, however, that the Payam Khar of Klaproth seems to divide
Khams from Tangut. Klaproth cites Chinese geographers.

"See the article on "Geography of the Himaláyaa."
ABORIGINES OF THE HIMALAYA.

In the two first of these five regions, all of which are plainly indicated by the distribution of the waters, the people are mongrel and mixed, save in the northwest part, where the Palu Sén or cis-nivean Bhόítās, the Garhwālis, and the inhabitants of Hangrang are of Tibetan stock. The third, or Gandācean basin (Sapt Gandāki in native topography, from the seven chief feeders,) is the seat of the Sunwārés, Gūrunges, and the Magāras. The fourth, or Cósīan basin, (Sapt Cōsī in native topography, after the seven chief feeders,) is the abode of the Kirάntīs and Limbūs. The fifth or Tishtan basin, again, is the fatherland of the Dūnjongmaro, and the sixth that of the Pru or Lhόpā, that is; Lephas and Bhūtānese, respectively. And, lastly, the high and level space—(a system of valleys around the great one, which is nearly 5,000 ft. above the sea)—between the basins of the Gandak and Cōsī is the seat of the Nēwārés and Mūrmūrés. But observe that the terms level space and system of valleys, applied to this last tract, are merely relative, though as such significant, nor meant to be contradictory of what has been above remarked, more generally, as to the whole Sub-Himālayas. And here I should add that the best representation of the Himālayas and Sub-Himālayas is by a comparison with the skeleton of the human frame, in which the former are analogous to the spine and the latter to the ribs. The Sub-Himālayas therefore are transverse rather than parallel ridges, as above stated, or at all events, their main ridges diverge more or less rectangularly from the gháat line, so as to unitise the several great streams, but still with an irregularity which close observance of the aqueous system can alone reveal. The ruggedness of the surface, by preventing all inter-communication of a free kind, has multiplied dialects: the rank pasture, by its ill effect on herds and flocks, has turned the people's attention more exclusively than in Tibet to agriculture, though even in Tibet the people are mostly non-nomadic, heat and moisture, such as Tibet is utterly void of, have relaxed the tone of the muscles and deepened the hue of the skin, making the people grain-eaters and growers rather than carnivorous tenders of flocks. Thus the Cis-Himālayas are smaller, less muscular, and less fair than the Trans-Himālayas; but the differences are by no means so marked as might have been expected; and though there are noticeable shades of distinction in this respect between the several tribes of the Cis-Himālayas according to their special affinities, as well as between most of them and the North-men, according to their earlier or later immigration, yet if they all be (as surely they

†Pru is the Lephas name of the Bhūtānese, whom the Hindu Shastras designate Plava, and themselves, Lhόpā.

"Professor Mùller (opus Bunsen's Philosophy of Language), grounding on my Essay on the Physical Geography of the Himalaya, has likened the whole to the human hand with the fingers pointing towards India. The ghāat line with its great peaks is assimilated to the knuckles, the dips between being the passes; and the three transverse Sub-Himālayan regions, extending from the gháat to the plains, are likened to the three joints of the fingers.

*Within the limits of Tibet are found abundance of nomades of Mongol and Turkish race, called respectively Sό̱kpo and Hό̀r by the Tibetans, who themselves seem much mixed with the latter race, which has long exercised a paramount influence in North Tibet: witness the facts that all its hill ranges are tagha, and all its lakes wārs, both Turki words.
are) of the same Turanian origin, it must be allowed that very striking differences of climate and of habits, operating through very many generations, can produce no obliterative effects upon the essential and distinctive signs of race. But this is, in part, speculation, and I will terminate it by remarking that, for the reasons above given, my investigations have been limited to that portion of the Sub-Himálayas which lies between the Káli and the Dhanésí, or say 80° to 92° of East longitude and 26° to 30° of North latitude.
ON THE MILITARY TRIBES OF NEPAL.

3. ORIGIN AND CLASSIFICATION OF THE MILITARY TRIBES OF NEPAL.

(Read before the Bengal Asiatic Society, 9th January, 1883.)

The great aboriginal stock of the inhabitants of these mountains, east of the river Kali, or in Nepal, is Turanian. The fact is inscribed, in characters so plain, upon their faces, forms, and languages, that we may well dispense with the superfluous and vain attempt to trace it historically in the meagre chronicles of barbarians.

But from the twelfth century downwards, the tide of Moslem conquest and bigotry continued to sweep multitudes of the Brahmans of the plains from Hindustan into the proximate hills, which now compose the western territories of the kingdom of Nepal. There the Brahmans soon located themselves. They found the natives illiterate, and without faith, but fierce and proud.

Their object was to make them converts to Hinduisim, and so to confirm the fleeting influence derived from their learning and politeness. They saw that the barbarians had vacant minds, ready to receive their doctrines, but spirits not apt to stoop to degradation, and they acted accordingly. To the earliest and most distinguished of their converts they communicated, in defiance of the creed they taught, the lofty rank and honors of the Kshatriya order. But the Brahmans had sensual passions to gratify, as well as ambition. They found the native females—even the most distinguished—nothing loath, but still of a temper, like that of the males, prompt to repel indignities. These females would indeed welcome the polished Brahman to their embraces, but their offspring must not be stigmatised as the infamous progeny of a Brahman and a Mlechha—must, on the contrary, be raised to eminence in the new order of things proposed to be introduced by their fathers. To this progeny also, then, the Brahman, in still greater defiance of their creed, communicated the rank of the second order of Hinduisim; and from these two roots, mainly, sprung the now numerous, predominant, and extensively ramified, tribe of the Khas—originally the name of a small clan of creedless barbarians, now the proud title of the Kshatriya, or military order of the kingdom of Nepal. The offspring of original Khas females and of Brahman, with the honors and rank of the second order of Hinduisim, got the patronymic titles of the first order; and hence the key to the anomalous nomenclature of so many stripes of the military tribes of Nepal is to be sought in the nomenclature of the sacred order. It may be added, as remarkably illustrative of the lofty spirit of the Parbattias, that, in spite of the yearly increasing sway of Hinduisim in Nepal, and of the various attempts of the Brahman in high office to procure the abolition of a custom so radically opposed to the creed both professed, the Khas still insist that the fruit of commerce (marriage is out of the
question) between their females and males of the sacred order shall be ranked
as Kshatriyas, wear the thread, and assume the patronymic title.

The original Khas, thus favoured by it, became soon and entirely devoted to the Brahmanical system.* The progress of Islam below daily poured fresh refugees among them.

They availed themselves of the superior knowledge of the strangers to subdue the neighbouring tribes of aborigines, were successful beyond their hopes, and, in such a career continued for ages, gradually merged the greater part of their own habits, ideas, and language (but not physiognomy) in those of the Hindus.

The Khas language became a corrupt dialect of Hindi, retaining not many palpable traces (except to curious eyes) of primitive barbarism.

An authentic anecdote told me at Kathmandú confirms the origin above assigned to the modern Khas tribe of Népál. In the reign of Ram Sáh of Górkhé, an ancestor of the present dynasty of Népál, an ambassador was sent from the Durbar of Górkhé to that of Mewár, to exhibit the Górkhalí Rajah's pedigree and to claim recognition of alleged kindred. The head of the renowned Sesodians, somewhat staggered with the pedigree, seemed inclined to admit the relationship, when it was suggested to him to question the ambassador about his own caste as a sort of test for the orthodoxy or otherwise of the notions of caste entertained in the far distant, and, as had always at Chitor or Udaypur been supposed, barbarous Himálaya. The ambassador, a Khas, who had announced himself as belonging to the martial tribe, or Kshatriya, thus pressed, was now obliged to admit that he was nevertheless a Pándé, which being the indubitable cognomen of a tribe of the sacred order of Hinduism, his mission was courteously dismissed without further enquiry.

The Ekthadríahs are the descendants more or less pure of Rajáts and other Kshatriyas of the plains, who sought refuge in these mountains from the Modern, or merely military service as adventurers. With fewer aims of policy, and readier means in their bright swords of requiting the protection afforded them, than had the Brahman, they had less motive to mix their proud blood with that of the vila aborigines than the Brahman did the impulse of, and they did mix it less. Hence, to this hour, they claim a vague superiority over the Khas, notwithstanding that the pressure of the great tide of events around them has, long since, confounded the two races in all essentials. Those among the Kshatriyas of the plains, who were more lax, and allied themselves with the Khas females in concubinage, were permitted to give to their children, so begotten, the patronymic title only, not the rank. But their children, again, if they married for two generations into the Khas, became pure Khas, or real Kshatriyas in point of privilege.

*That is, they agreed to put away their old gods, and to take the new; to have Brahmanas for Gurus; and not to kill the cow; for the rest they made, and still make, sufficiently light of the ceremonial law in whatever respects food and sexual gratification. Their active habits and vigorous character could not brook the restraints of the ritual law, and they had the example of licentious Brahmanas to warrant their neglect of it. The few prejudices of the Khas are useful, rather than otherwise, inasmuch as they favour sobriety and cleanliness.
and rank, though no longer so in name! They were Khas, not Kshatriyas, and yet they bore the proud cognomina of the martial order of the Hindus, and were, in the land of their nativity, entitled to every prerogative which Kshatriya birth confers in Hindustan!

Such is the third and less fruitful root of the Khas race.

The Ektāriahs speak the Khas language, and they speak no other.

The Thākuris differ from the Ektāriahs only by the accidental circumstance of their lineage being royal. At some former period, and in some little state or other, their progenitors were princes.

The Sāhī or Sāh are the present royal family.

The remaining military tribes of the Parbatios are the Magar and Gürung, who now supply the greater number of the soldiers of this state.

From lending themselves less early and heartily to Brahmanical influence than the Kśmīrs, they have retained, in vivid freshness, their original languages, physiognomy, and, in a less degree, habits.

To their own untaught ears their languages differ entirely the one from the other, and no doubt they differ materially, though both belonging to the unpronominial type of the Turanian tongues. Their physiognomies, too, have peculiarities proper to each, but with the general caste and character fully developed in both. The Gürungs are less generally and more recently redeemed from Lamāsim and primitive impurity than the Magars.

But though both the Gürungs and Magars still maintain their own vernacular tongues, Tartar faces, and careless manners, yet, what with military service for several generations under the predominant Khas, and what with the commerce of Khas males with their females,* they have acquired the Khas language, though not to the oblivion of their own, and the Khas habits and sentiments, but with sundry reservations in favor with pristine liberty. As they have, however, with such grace as they could muster, submitted themselves to the ceremonial law of purity and to Brahman supremacy, they have been adopted as Hindus. But partly owing to the licenses above glanced at, and partly by reason of the necessity of distinctions of caste to Hindūsim, they have been denied the thread, and constituted a doubtful order below it, and yet not Vaiṣya nor Sudra, but a something superior to both the latter—what I fancy it might puzzle the Brāhstris to explain on Hindū principles.

The Brāhmans of Nēpāl are much less generally addicted to arms than those of the plains; and they do not therefore properly belong to our present subject. The enumeration of the Brāhmans is nevertheless necessary, as serving to elucidate the lineage and connexions of the military tribes, and especially of the Khas.

The martial classes of Nēpāl are, then, the Khas, Magar, and Gürung, each com-

* Here, as in the cases of the Brāhman and Khas, and Kshatriya and Khas, there can be no marriage. The offspring of a Khas with a Magarni or Gūrungni is a titular Khas and real Magar or Gürung. The descendants fall into the rank of their mothers and retain only the patronymic.
praising a very numerous race, variously ramified and sub-divided in the manner exhibited in the following tabular statement.

The original seat of the Khse is ordinarily said to be Górkhā,* because it was thence immediately that they issued, some years ago, under the guidance of Prithvi Narayan, to acquire the fame and dominion achieved by him and his successors of the Górkhā dynasty.

But the Khas were long previously to the age of Prithvi Narayan extensively spread over the whole of the Chaubhaya, and they are now found in every part of the existing kingdom of Nepāl, as well as in Kūmāun, which was part of Nepāl until 1816. The Khas are rather more devote to the house of Górkhā, as well as more liable to Brahmanical prejudices than the Magars or Gārungs; and, on both accounts, are perhaps somewhat less desirable as soldiers for our service than the latter tribes. I say somewhat, because it is a mere question of degree; the Khas having, certainly, no religious prejudices, nor probably any national partialities, which would prevent their making excellent and faithful servants in arms; and they possess pre-eminently that masculine energy of character and love of enterprise which distinguish so advantageously all the military races of Nepāl.

The original seat of the Magars is the Bhrā Mangrāuṅ, or Satadhungi, Pudung, Bhirkot, Dhor, Garahung, Rising, Ghiring, Gālima, Argha, Khāchi, Mūrkaṅ, and Isma; in other words, most of the central and lower parts of the mountains, between the Bhēri and Marṣyndil Rivers. The attachment of the Magars to the house of Górkhā is but recent, and of no extraordinary or intimate nature. Still less so is that of the Gārungs, whose native seats occupy a line of country parallel to that of the Magars, to the north of it, and extending to the snows in that direction. Modern events have spread the Magars and Gārungs over most part of the present kingdom of Nepāl. The Gārungs and Magars are, in the main, Hindus, only because it is the fashion; and the Hindūism of the Khas, in all practical and soldierly respects, is free of disqualifying punctilio.

These highland soldiers, who despatch their meal in half an hour, and satisfy the ceremonial law by merely washing their hands and face, and taking off their turbans before cooking, laugh at the pharisaical rigour of our Sipāhs, who must bathe from head to foot and make pūjā, ere they begin to dress their dinner, must eat nearly naked in the coldest weather, and cannot be in marching trim again in less than three hours.

In war, the former readily carry several days' provisions on their backs: the latter would deem such an act intolerably degrading. The former see in foreign service nothing but the prospect of glory and spoil: the latter can discover in it nothing but pollution and peril from unclean men and terrible wizards, goblins, and evil spirits. In masses, the former have all that indomitable confidence, each in all, which grows out of national integrity and success: the latter can have no

* Górkhā, the town, lies about sixty miles W.N.W. of Kathmāndū. Górkhā, the name, is derived from that of the eponymous deity of the royal family, viz. Górka-shañāth or Górkhānāth, who likewise has given his name to our district of Górakpur.

|| The Marichangdi of our maps.
ON THE MILITARY TRIBES OF NEPAL.

idea of this sentiment, which yet maintains the union and resolution of multitudes in peril, better than all other human bonds whatever; and, once thoroughly acquired, is by no means inseparable from service under the national standard.

I calculate that there are at this time in Nepal no less than 30,000 Dukhréahs, of soldiers off the roll by rotation, belonging to the above three tribes. I am not sure that there exists any insuperable obstacle to our obtaining, in one form or other, the services of a large body of these men; and such are their energy of character, love of enterprise, freedom from the shackles of caste, unadulterated military habits and perfect subjectibility to a discipline such as ours, that I am well assured their services, if obtained, would soon come to be most highly prized.*

In my humble opinion they are by far the best soldiers in Asia; and if they were made participators of our renown in arms, I conceive that their gallant spirit, emphatic contempt of Madhesians (people of the plains,) and unadulterated military habits, might be relied on for fidelity; and that our good and regular pay and noble pension establishment would serve perfectly to counterpoise the influence of nationality, so far as that could injuriously affect us.

The following table exhibits a classified view of the Brahmansical and military tribes, with their various sub-divisions.

**Tabular View of the Tribes.**

<table>
<thead>
<tr>
<th>Brahmans</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

* Since this paper was written the value and the availability to us of the Gorkhálí soldier tribes have been well tested; and it is infinitely to be regretted that the opinions of Sir H. Fane, of Sir C. Napier, and of Sir H. Lawrence, as to the high expediency of recruiting largely from this source, were not acted upon long ago. So long as my voice carried any weight, I often pressed the subject on the attention of those in authority. But the then prejudice in favour of Brahman and Kshatri Sipás neutralized all my efforts, though the danger of so homogeneous an army of foreign mercenaries was, among other arguments, earnestly dwelt upon. (1857.)
ON THE MILITARY TRIBES OF NEPAL.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Place</th>
<th>Place</th>
<th>Place</th>
</tr>
</thead>
</table>

KHAS.

1st Sub-division of the Khads, called Thapa.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Place</th>
<th>Place</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Godar.</td>
<td>Lamichanya.</td>
<td>Sunyal.</td>
<td></td>
</tr>
</tbody>
</table>

2nd Sub-division of the Khads, called Bishnydt.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Place</th>
<th>Place</th>
<th>Place</th>
</tr>
</thead>
</table>

3rd Sub-division, called Bhandari.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Place</th>
<th>Place</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raghunarsi.</td>
<td>Lama.</td>
<td>Sijapati.</td>
<td></td>
</tr>
</tbody>
</table>

4th Sub-division, called Karki.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Place</th>
<th>Place</th>
<th>Place</th>
</tr>
</thead>
</table>

5th Sub-division, called Khanka.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Place</th>
<th>Place</th>
<th>Place</th>
</tr>
</thead>
</table>

6th Sub-division, or Adhikari.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Place</th>
<th>Place</th>
<th>Place</th>
</tr>
</thead>
</table>

7th Sub-division, or Bisht.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Place</th>
<th>Place</th>
<th>Place</th>
</tr>
</thead>
</table>

8th Sub-division, or Kunwdr.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Place</th>
<th>Place</th>
<th>Place</th>
</tr>
</thead>
</table>

9th Sub-division, or Bansi.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Place</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sijapati.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ON THE MILITARY TRIBES OF NEPAL.

10th Sub-division, or Dáni.
Sijapati. Powár.

11th Sub-division, or Charti.
Kalikotya. Sijapati.

12th Sub-division, or Khattri.


True Khás not yet classified.


EKTHARYA, or insulated Tribes ranking with Khás.


THAKURI, or Royal Lineages, ranking with Khás.


MAGARS.

I.—Sub-division of the Magars, called Ráná.


* Manumitted slaves are called Párgharti, if of Khas lineage. They form a separate and rather numerous class, and so also do the Khawás or manumitted slaves of royalty.
ON THE MILITARY TRIBES OF NEPAL.

II.—Sub-division of Magars, called Thāpā.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Sub-division</th>
<th>Sub-division</th>
<th>Sub-division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Granjā</td>
<td>Chumi</td>
<td>Keli</td>
<td>Bareya</td>
</tr>
<tr>
<td>Lăngeli</td>
<td>Jhāngdi</td>
<td>Māskī</td>
<td>Darrāmi</td>
</tr>
<tr>
<td>Yāngdi</td>
<td>Phyāyālī</td>
<td>Marsyangdi</td>
<td>Chitouriah</td>
</tr>
<tr>
<td>Arghounli</td>
<td>Gelung</td>
<td>Sinjāli</td>
<td>Sārū</td>
</tr>
</tbody>
</table>

III.—Sub-division of Magars, called Alaya.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Sub-division</th>
<th>Sub-division</th>
<th>Sub-division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yāngmi</td>
<td>Sarāngī</td>
<td>Pūng</td>
<td>Sūrya Vansī</td>
</tr>
<tr>
<td>Gonda</td>
<td>Sripāli</td>
<td>Sūyāl</td>
<td>Khāli</td>
</tr>
<tr>
<td>Sijapati</td>
<td>Panthī</td>
<td>Thokchāki</td>
<td>Dukhchākī</td>
</tr>
<tr>
<td>Rakhāl</td>
<td>Sithāng</td>
<td>Maskī</td>
<td>Gharti</td>
</tr>
<tr>
<td>Lahakpā</td>
<td>Arghounle</td>
<td>Khaptari</td>
<td>Phyāyālī</td>
</tr>
<tr>
<td>Dārrā</td>
<td>Khulāl</td>
<td>Chermi</td>
<td>Pachāin</td>
</tr>
</tbody>
</table>

GURUNS.

<table>
<thead>
<tr>
<th>Tribe</th>
<th>Sub-division</th>
<th>Sub-division</th>
<th>Sub-division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gūṛūṅ</td>
<td>Lāmichānya</td>
<td>Khaptari</td>
<td>Tangē</td>
</tr>
<tr>
<td>Ghalle</td>
<td>Siddh</td>
<td>Ghūndānē</td>
<td>Ghōnyā</td>
</tr>
<tr>
<td>Byāpri</td>
<td>Karāmati</td>
<td>Dharēn</td>
<td>Painī</td>
</tr>
<tr>
<td>Vumjan</td>
<td>Gōstī</td>
<td>Jimel</td>
<td>Mēngi</td>
</tr>
<tr>
<td>Lāma</td>
<td>Bagālīa</td>
<td>Lopatē</td>
<td>Dah Lāma</td>
</tr>
<tr>
<td>Chandā</td>
<td>Thāthūng</td>
<td>Lothāng</td>
<td>Kurāngi</td>
</tr>
<tr>
<td>Gōthi</td>
<td>Chārkī</td>
<td>Būlūng</td>
<td>Khulāl</td>
</tr>
<tr>
<td>Gondūk</td>
<td>Khātī</td>
<td>Shakya Lāma</td>
<td>Surya Vansī Lāma</td>
</tr>
<tr>
<td>Gohori</td>
<td>Guābūri</td>
<td>Golāngya</td>
<td>Madān</td>
</tr>
<tr>
<td>Barāhi</td>
<td>Pengī</td>
<td>Khangva</td>
<td>Palāmi</td>
</tr>
<tr>
<td></td>
<td>Ghāṛti</td>
<td>Dhakaren</td>
<td></td>
</tr>
</tbody>
</table>
Amid the dense forests of the central region of Nepal, to the westward of the great valley, dwell, in scanty numbers, and nearly in a state of nature, two broken tribes, having no apparent affinity with the civilized races of that country, and seeming like the fragments of an earlier population.

"They toil not, neither do they spin;" they pay no taxes, acknowledge no allegiance, but, living entirely upon wild fruits and the produce of the chase, are wont to say that the Rajah is Lord of the cultivated country, as they are of the unredeemed waste. They have bows and arrows, of which the iron arrow-heads are procured from their neighbours, but almost no other implement of civilization, and it is in the very skilful snaring of the beasts of the field and the fowls of the air that all their little intelligence is manifested.

Boughs torn from trees and laid dexterously together constitute their only houses, the sites of which they are perpetually shifting according to the exigencies or fancies of the hour. In short, they are altogether as near to what is usually called the state of nature as anything in human shape can well be, especially the Kushunda, for the Chépangs are a few degrees above their confrères, and are beginning to hold some slight intercourse with civilized beings and to adopt the most simple of their arts and habits. It is due, however, to these rude foresters to say, that, though they stand wholly aloof from society, they are not actively offensive against it, and that neither the Government nor individuals tax them with any aggressions against the wealth they despise, or the comforts and conveniences they have no conception of the value of.

They are, in fact, not noxious but helpless, not vicious but aimless, both morally and intellectually, so that no one could, without distress, behold their careless unconscious inaptitude. It is interesting to have opportunity to observe a tribe so circumstanced and characterized as the Chépangs, and I am decidedly of opinion that their wretched condition, physical and moral, is the result, not of inherent defect, but of that savage ferocity of stronger races which broke to pieces and outlawed both the Chépangs and the Kushunda tribes during the ferocious ethnic struggles of days long gone by, when tribe met tribe in internecine strife, contending for the possession of that soil they knew not how to fructify! Nor is there any lack of reasonable presumptions in favour of this idea, in reference to the Chépangs at least; for the still traceable affiliation of this people (as we shall soon see), not less than the extant state of their language, demonstrates their once having known a condition far superior to their present one, or to any that has been their's for ages.
46

THE CHEPANG AND KUSUNDA TRIBES.

That the primitive man was a savage has already appeared to me an unfounded assumption; whereas that broken tribes deteriorate lamentably, we have several well-founded instances in Africa.* Quitting, however, these speculations, I proceed with my narrative. During a long residence in Népáil, I never could gain the least access to the Kusúndas, though aided by all the authority of the Durbar; but, so aided, I once, in the course of an ostensible shooting excursion, persuaded some Chépángs to let me see and converse with them for three or four days through the medium of some Gúrungs of their acquaintance. On that occasion I obtained the accompanying ample specimen of their language; and, whilst they were doling forth the words to my interpreters, I was enabled to study and to sketch the characteristic traits of their forms and faces. Compared with the mountaineers among whom they are found, the Chépángs are a slight but not actually deformed race, though their large bellies and thin legs indicate strongly the precarious amount and innutritious quality of their food. In height they are scarcely below the standard of the tribes around them!—who however are notoriously short of stature—but in colour they are decidedly darker. They have elongated (fore and aft) heads, protuberant large mouths, low narrow foreheads, large cheek-bones, flat faces, and small eyes. But the protuberance of the mouth does not amount to prognathous deformity, nor has the small suspicious eye much, if anything, of the Mongolian obliqueness of direction or set in the head. Having frequently questioned the Durbar, whilst resident at Káthmándú, as to the relations and origin of the Chépángs and Kusúndas, I was invariably answered, that no one could give the least account of them, but that they were generally supposed to be autochthones, or primitive inhabitants of the country. For a long time such also was my own opinion, based chiefly upon their physical characteristics as above noted, and upon the absence of all traceable linguistic or other affinity with the tribes around them; so that I took the Chépángs, the Kusúndas, and also the Haiyus—another third tribe, remarkably resembling the two former in position and appearance—to be fragments of an original hill population prior to the present dominant races of inhabitants of these mountains, and to be of Tamulian extraction, from their great resemblance of form and colour to the aborigines of the plains, particularly the Kóla or Uraons, the Múnda, and the Malá. It did not for several years occur to me to look for linguistic affinities beyond the proximate tribes, nor was I, save by dint of observation, made fully aware that the Turanian type of mankind belongs not only to the races of known Northern pedigree, such as the

---


|| Magar, Múrmi, Khas, Gúrung, Néwar.

It tends that way, however: and the tendency is yet more strongly marked in some of the broken Turanian tribes of Central India; so that the general effect upon the Northmen of their descent into the least healthy and malarious jungles and swamps of the tropics, would seem to be to cause the Turanian type of human kind to assimilate with the African type, but with a long interval: degradation and hardship may in these broken tribes facilitate the effects of bad climate.

† Haiyu, Haiyu vel Váyu. See full treatise on this people in Jour. As. Soc. Bengal. Also vocabularies of the Chépang and Kusúnda tongues.
mass of the sub-Himalayan population, but equally so to all the aborigines of the plains, at least to all those of Central India. Having, of late, however, become domiciled much to the eastward of Kathmandu, and having had more leisure for systematic and extended researches, those attributes of the general subject, which had previously perplexed me, were no longer hindrances to me in the investigation of any particular race or people. I now saw in the Turanian features of the Chepangs a mark equally reconcilable with Tamulian or Tibetan affinities; in their dark colour and slender frame, characteristics at first sight, indeed, rather Tamulian than Tibetan, but such as might, even in a Tibetan race, be accounted for by the extreme privations to which the Chepangs had for ages been subject; and in their physical attributes taken together, I perceived that I had to deal with a test of affinity too nice and dubious to afford a solution of the question of origin. I therefore turned to the other or linguistic; and, pursuing this branch of the enquiry, I found that, with the Southern aborigines, there was not a vestige of connection, whilst to my surprise I confess, I discovered in the luxuriant Lhópas of Bhutan the unquestionable origin and stock of the far removed, and physically very differently characterized, Chepangs! This linguistic demonstration of identity of origin, I have, for the reader's convenience, selected and set apart as an appendix to the vocabulary of the Chepang language; and I apprehend that all persons conversant with ethnological enquiries will see in the not mere resemblance, but identity, of thirty words of prime use and necessity extracted from so limited a field of comparison as was available for me to glean from, a sufficient proof of the asserted connexion and derivation of the Chepangs, notwithstanding all objections deducible from distance, dissolution of intercourse, and physical non-conformity. But observe, the last item of difference is, as already intimated, not essential, but contingent, for both Lhópas and Chepangs are of the same, essentially Turanian stamp, whilst the deteriorations of vigour and of colour in the Chepangs, though striking, are no more than natural, nay inevitable, consequences of the miserable condition of dispersion and outlawry to which the Chepangs have been subject for ages anterior to all record or tradition. And, again, with regard to local deisceruation, it should be well noted, in the first place, that

* See addendum on Bhutan.

§ I am now satisfied that the source of my perplexity lay in the common Turanian origin of all the tribes adverted to, which differ physically or lingually only in degree—physically, according to their earlier or later immigration and more or less healthful and temperate new abodes; lingually, also, according to their more special affinity with the less or with the more simple-tongued tribes or sub-families of the North. The oldest tribes of Himalaya, as sufficiently proved by their relative condition and location, are the broken tribes driven to the inclement summits or malarious glens of the Himalaya; and these in general have languages of the pronomenalized or complex sub-type, so that Müller is wholly wrong in assuming that Himalaya has no linguistic traits of Dravidia—wrong also, I think, in the importance assigned to these contradistinctive marks of race. In proof see Poole on Egyptian language *Journ. Royal As. Society*, Vol. xx., part 34, p. 313, et seq: the two dialects of the one tongue have a different arrangement of the pronom. adjunct of nouns and verbs. It must be, after this, almost needless to add that the relationship of the Chepangs to the Lhópas is general, not special.

* Neither Tamill nor Telugu nor Kannadi possesses in like perfection this diagnostic pronomenalization of noun and of verb (viz., prefixed to noun, and suffixed to verb.)
by how much the Chépángs are, and have long been, removed from Bhútán, by so much exactly do conformities of language demonstrate identity of origin, because those conformities cannot be explained by that necessary contact with neighbours to which the Chépáng language owes, of course, such Hindi, Parbattia, and Néwár terms as the vocabulary exhibits; and, in the second place, we must recollect, that though it be true that 300 miles of very inaccessible country divide the seat of the Chépángs from Bhútán, and moreover, that no intercourse therewith has been held by the Chépángs for time out of mind, still in those days when tribes and nations were, so to speak, in their transitional state, it is well known that the tides of mankind flowed and ebbed with a force and intensity comparable to nothing in recent times, and capable of explaining far more extraordinary phenomena than the disruption of the Chépángs, and their being hurried away, like one of the erratic boulders of geologists, far from the seat of the bulk of their race and people. Indeed, the geological agents of dislocation in the days of pristine physical commotion may throw some light, in the way of analogy, upon the ethnological ones during the formative eras of society; and though we have no record or tradition of a Lhópa conquest or incursion extending westward, so far as, or even towards, the great valley of Népál, we may reasonably presume that some special clan or sept of the Bhútaneses was ejected by an ethnic cataclysm from the bosom of that nation and driven westward under the ban of its own community alike, and of those with which it came in contact in its miserable migration,—for misfortune wins not fellowship.

The lapse of a few generations will probably see the total extinction of the Chépángs and Kusúndás, and therefore I apprehend that the traces now saved from oblivion of these singularly circumstanced and characterized tribes, now for the first time named to Europeans, will be deemed very precious by all real students of ethnology. Their origin, condition and character are, in truth, ethnic facts of high value, as proving how tribes may be dislocated and deteriorated during the great transitional eras of society.

ADDENDUM ON BHUTÁN.

Lhó is the native name for Bhútán, and Lhópa and Dukpa (written Brükpa) are native names for an inhabitant of Bhútán—whereof the former is the territorial, the latter, the religious, designation. In other words, a Lhópa is one belonging to the country of Bhútán, and a Dükpa (recte Brükpa), a follower of that form of Lamáism which prevails in Bhútán, and which has become equally distinctive with the local designation for an inhabitant of the country, since the people of Bhót or Tibet were converted to the new or Gélükpa form of that faith. Bhútán is a Sanskrit word, and is correctly Bhútánt, or 'the end of Bhót' (inclusively), the Brahmans, like the natives, deeming the cisnivean region an integral part of Tibet, which it is ethnographically, though by no means geographically. Had Klaproth and Ritter been aware that Lhó is Bhútán, and Lhópa
an inhabitant of Bhútan, we should not have had their maps disfigured by a variety of imaginary regions placed east of Bhútan and termed Lokabadja, etc., a sheer variarum series of lingual error, resting on the single local name Lhó and its derivatives of a personal kind, as correctly and incorrectly gathered by them. Originally, some Bengáli rendered Lhó by the—to him—familiar word Lók (regio); and then, being unaware that the Tibetan affix bd vel pd means 'belonging to,' 'inhabitant of,' he subjoined to the bd his own equivalent of jā (born of), and thus was deduced Klaproth’s furthest error (I omit others short of this one) of Lokabadja. To trace an error to its source is the best way to prevent its repetition, an aphorism I add, lest any person should suppose me wanting in respect for the eminent persons whose mistakes I have pointed out. Klaproth was possibly misled by Hastings’ letters to and from Téshúlingba.* But he and Ritter are fairly chargeable with constant creation of new regions out of mere synonyma! I could give a dozen of instances from their splendid maps.

VOCABULARY OF THE LANGUAGE OF THE CHEPANG.

<table>
<thead>
<tr>
<th>English</th>
<th>Chepang</th>
<th>English</th>
<th>Chepang</th>
</tr>
</thead>
<tbody>
<tr>
<td>The world</td>
<td>....</td>
<td>A bridge</td>
<td>Tá</td>
</tr>
<tr>
<td>God</td>
<td>†Nyam Ding</td>
<td>Husband</td>
<td>Palam</td>
</tr>
<tr>
<td>Man</td>
<td>Pursi</td>
<td>Wife</td>
<td>Malam</td>
</tr>
<tr>
<td>Woman</td>
<td>Míru</td>
<td>Father</td>
<td>Pá</td>
</tr>
<tr>
<td>Quadruped</td>
<td>Svá</td>
<td>Mother</td>
<td>Má</td>
</tr>
<tr>
<td>Bird</td>
<td>Mó-wá</td>
<td>Brother</td>
<td>Hou</td>
</tr>
<tr>
<td>Insect</td>
<td>Pling</td>
<td>Sister</td>
<td>Hou dhiáng</td>
</tr>
<tr>
<td>Fish</td>
<td>Gna T</td>
<td>Grand-father</td>
<td>Tó</td>
</tr>
<tr>
<td>Fire</td>
<td>Mí T</td>
<td>Grand-mother</td>
<td>Aie</td>
</tr>
<tr>
<td>Air</td>
<td>Máró</td>
<td>Uncle</td>
<td>Páng</td>
</tr>
<tr>
<td>Earth</td>
<td>Sá T</td>
<td>Aunt</td>
<td>Múm</td>
</tr>
<tr>
<td>Clay, plastic</td>
<td>Sá lena</td>
<td>Child</td>
<td>Chó</td>
</tr>
<tr>
<td>Water</td>
<td>Ti</td>
<td>Boy</td>
<td>Chó</td>
</tr>
<tr>
<td>Light, (lux)</td>
<td>Angha</td>
<td>Girl</td>
<td>Chó riáng</td>
</tr>
<tr>
<td>The sun</td>
<td>Nyam T</td>
<td>Kinsfolk</td>
<td>Laikwo</td>
</tr>
<tr>
<td>The moon</td>
<td>Lánú T</td>
<td>Strangesfolk</td>
<td>Sáing</td>
</tr>
<tr>
<td>The stars</td>
<td>Kar T</td>
<td>Day</td>
<td>Nyi Gni T</td>
</tr>
<tr>
<td>A mountain</td>
<td>Rías T</td>
<td>Night</td>
<td>Yá</td>
</tr>
<tr>
<td>A plain</td>
<td>Dáni</td>
<td>Dawn</td>
<td>Wágo</td>
</tr>
<tr>
<td>A river</td>
<td>Ghoró</td>
<td>Noon</td>
<td>Syáwa</td>
</tr>
<tr>
<td>A ferry</td>
<td>Titachaparna (ford)</td>
<td></td>
<td>Evening</td>
</tr>
</tbody>
</table>

* See Turner’s Embassy and native account of Bhútan, in the Transactions of the A.S.B. The affix lhanga means ‘valley,’ and Lhása also, being ‘in a valley,’ it is often called Lhása-lhungra or lhumba, that is, Lhása of the Valley.

† Nyam is the Sun, which is no doubt worshipped, and hence the identity of terms. Nyi in Chinese.
### The Chepang and Kusunda Tribes

<table>
<thead>
<tr>
<th>English</th>
<th>Chepang</th>
<th>English</th>
<th>Chepang</th>
</tr>
</thead>
<tbody>
<tr>
<td>To-day</td>
<td>Ten</td>
<td>A monkey</td>
<td>Yúkh</td>
</tr>
<tr>
<td>Yesterday</td>
<td>Yon</td>
<td>A jackal</td>
<td>Karjá</td>
</tr>
<tr>
<td>To-morrow</td>
<td>Syang</td>
<td>A tiger</td>
<td>Já</td>
</tr>
<tr>
<td>A week</td>
<td></td>
<td>A leopard</td>
<td>Mayo já</td>
</tr>
<tr>
<td>A fortnight</td>
<td>Bákha yatlá</td>
<td>A bear</td>
<td>Yóm</td>
</tr>
<tr>
<td>A month</td>
<td>Yatlá</td>
<td>A goat</td>
<td>Micha</td>
</tr>
<tr>
<td>A year*</td>
<td>Yatang</td>
<td>A sheep</td>
<td></td>
</tr>
<tr>
<td>Summer</td>
<td>Lhapa</td>
<td>A hare</td>
<td></td>
</tr>
<tr>
<td>A quail</td>
<td>Umbé-wá</td>
<td>A hog, pig</td>
<td>Piák T</td>
</tr>
<tr>
<td>A kite or hawk</td>
<td>Mó-wá†</td>
<td>An elephant</td>
<td>Kúí N</td>
</tr>
<tr>
<td>A fly</td>
<td>Yang</td>
<td>A deer</td>
<td>Kasya</td>
</tr>
<tr>
<td>Winter</td>
<td>Namjúng</td>
<td>A rat</td>
<td>Ýú</td>
</tr>
<tr>
<td>The rains</td>
<td>Nyamwá</td>
<td>A mouse</td>
<td>Mayo yú</td>
</tr>
<tr>
<td>Grain</td>
<td>Yam</td>
<td>A manis</td>
<td>Cháng jang</td>
</tr>
<tr>
<td>Rice, unhusked</td>
<td>Yáng</td>
<td>A fowl (gallus)</td>
<td>Wá</td>
</tr>
<tr>
<td>Rice, husked</td>
<td>Chúí</td>
<td>Its egg</td>
<td>Wé-kún</td>
</tr>
<tr>
<td>Wheat</td>
<td>Kan</td>
<td>A pigeon</td>
<td>Bak-wá</td>
</tr>
<tr>
<td>Barley†</td>
<td></td>
<td>A crow</td>
<td>Káwá</td>
</tr>
<tr>
<td>Plantain</td>
<td>Maisé</td>
<td>A sparrow</td>
<td>Yúrkúnwá</td>
</tr>
<tr>
<td>Pear</td>
<td>Pá-sái</td>
<td>A lark</td>
<td>Bajú wá</td>
</tr>
<tr>
<td>Tobacco</td>
<td>Mingo</td>
<td>A partridge</td>
<td>Títhara H</td>
</tr>
<tr>
<td>Pepper</td>
<td>Marich H</td>
<td>Cord, thin</td>
<td>Rhim</td>
</tr>
<tr>
<td>Red pepper</td>
<td>Naksai</td>
<td>Thread</td>
<td>Mayo rhim (ma-yo = small)</td>
</tr>
<tr>
<td>Garlic</td>
<td>Bin</td>
<td>Oil</td>
<td>Sáté</td>
</tr>
<tr>
<td>Needle</td>
<td>Gyap</td>
<td>A tree</td>
<td>Sing-tak T</td>
</tr>
<tr>
<td>A bee</td>
<td>Túmbá</td>
<td>A leaf</td>
<td>Ló T</td>
</tr>
<tr>
<td>A tree</td>
<td>Sing-tak T</td>
<td>The human body</td>
<td>Mhá</td>
</tr>
<tr>
<td>A leaf</td>
<td>Ló T</td>
<td>A flower</td>
<td>Ró</td>
</tr>
<tr>
<td>The head</td>
<td>Tolong</td>
<td>A fruit</td>
<td>Chái</td>
</tr>
<tr>
<td>The hair</td>
<td>Min</td>
<td>Wood</td>
<td>Sying T</td>
</tr>
<tr>
<td>The face</td>
<td>Khén</td>
<td>Fuel</td>
<td>Jhárö-sying</td>
</tr>
<tr>
<td>The forehead</td>
<td>Jyél</td>
<td>Grass</td>
<td></td>
</tr>
<tr>
<td>The eye</td>
<td>Mík T</td>
<td>Straw</td>
<td>Won</td>
</tr>
<tr>
<td>The nose</td>
<td>Gné Nyé</td>
<td>Brau</td>
<td>Rock</td>
</tr>
<tr>
<td>The mouth</td>
<td>Móthong</td>
<td>A horse</td>
<td>Serang</td>
</tr>
<tr>
<td>The chin</td>
<td>Kám-tyó</td>
<td>An ox</td>
<td>Shya</td>
</tr>
<tr>
<td>The ear</td>
<td>Nó T</td>
<td>A bull</td>
<td>You shyá</td>
</tr>
<tr>
<td>The arm</td>
<td>Krút</td>
<td>A cow</td>
<td>Mó shyá</td>
</tr>
<tr>
<td>The hand</td>
<td>Kútpá</td>
<td>A buffalo</td>
<td>Mísha T</td>
</tr>
<tr>
<td>The leg</td>
<td>Dom</td>
<td>A dog</td>
<td>Kúí T</td>
</tr>
<tr>
<td>The foot</td>
<td></td>
<td>A cat</td>
<td></td>
</tr>
</tbody>
</table>

*The separate twelve months and seven days have no names.
† Wá is the generic of birds of the fowl kind.
‡ No other grain named, but wheat and rice.
**THE CHEPANG AND KUSUNDA TRIBES.**

<table>
<thead>
<tr>
<th>English</th>
<th>Chepang</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bone</td>
<td>Rhú T</td>
</tr>
<tr>
<td>Blood</td>
<td>Wí</td>
</tr>
<tr>
<td>Blood-vessel</td>
<td>Só</td>
</tr>
<tr>
<td>A house</td>
<td>Kyim T</td>
</tr>
<tr>
<td>A door</td>
<td>Kharók</td>
</tr>
<tr>
<td>A stone</td>
<td>Báng</td>
</tr>
<tr>
<td>A brick</td>
<td></td>
</tr>
<tr>
<td>A temple</td>
<td>Ding thání</td>
</tr>
<tr>
<td>An idol</td>
<td>Simtá</td>
</tr>
<tr>
<td>A boat</td>
<td></td>
</tr>
<tr>
<td>Dinner</td>
<td>Amjía</td>
</tr>
<tr>
<td>A dish</td>
<td>Ló</td>
</tr>
<tr>
<td>A plate</td>
<td>Mila</td>
</tr>
<tr>
<td>Flesh</td>
<td>Mai</td>
</tr>
<tr>
<td>Bread</td>
<td>Lang</td>
</tr>
<tr>
<td>Vegetables</td>
<td>Kyáng</td>
</tr>
<tr>
<td>Honey</td>
<td>Túm</td>
</tr>
<tr>
<td>Wax</td>
<td>Main P</td>
</tr>
<tr>
<td>Milk</td>
<td>Gnútí</td>
</tr>
<tr>
<td>Gheu</td>
<td>Gheu H</td>
</tr>
<tr>
<td>Cloth</td>
<td>Nai</td>
</tr>
<tr>
<td>Clothes, apparel</td>
<td>Nai</td>
</tr>
<tr>
<td>Bed clothes</td>
<td>Lou</td>
</tr>
<tr>
<td>Upper vest</td>
<td>Doura</td>
</tr>
<tr>
<td>Lower vest</td>
<td>Súmbé</td>
</tr>
<tr>
<td>Shoe</td>
<td>Panai P</td>
</tr>
<tr>
<td>Stocking</td>
<td>Dócha P</td>
</tr>
<tr>
<td>Wool, raw</td>
<td>Mín</td>
</tr>
<tr>
<td>Cotton, ditto</td>
<td>Kapás H</td>
</tr>
<tr>
<td>Hemp, ditto</td>
<td>Kyou</td>
</tr>
<tr>
<td>Bow</td>
<td>Lúi</td>
</tr>
<tr>
<td>Arrow</td>
<td>Láh T</td>
</tr>
<tr>
<td>Axe</td>
<td>Wárhé</td>
</tr>
<tr>
<td>Spade, hoe</td>
<td>Talk</td>
</tr>
<tr>
<td>Plough</td>
<td>You sín</td>
</tr>
<tr>
<td>Loom</td>
<td></td>
</tr>
<tr>
<td>Knife</td>
<td>Phíá ghúl</td>
</tr>
<tr>
<td>Brush, broom</td>
<td>Phók</td>
</tr>
<tr>
<td>Basket</td>
<td>Tokorong</td>
</tr>
<tr>
<td>Rope, thick</td>
<td>Rá</td>
</tr>
<tr>
<td>Beer</td>
<td>Han</td>
</tr>
<tr>
<td>Spirits</td>
<td>Rakshí P</td>
</tr>
<tr>
<td>A still</td>
<td>Kúti póng</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>English</th>
<th>Chepang</th>
</tr>
</thead>
<tbody>
<tr>
<td>The senses</td>
<td>. . .</td>
</tr>
<tr>
<td>Touching</td>
<td>Dinang</td>
</tr>
<tr>
<td>Smelling</td>
<td>Gnamang</td>
</tr>
<tr>
<td>Seeing</td>
<td>Yorang</td>
</tr>
<tr>
<td>Hearing</td>
<td>Saisung</td>
</tr>
<tr>
<td>Pen</td>
<td>Ré syáng</td>
</tr>
<tr>
<td>Ink</td>
<td>Hildang</td>
</tr>
<tr>
<td>Sovereign</td>
<td>Rájah H</td>
</tr>
<tr>
<td>Subject</td>
<td>Parja H</td>
</tr>
<tr>
<td>Citizen</td>
<td>Béráng mo</td>
</tr>
</tbody>
</table>

The senses
- Touching
- Smelling
- Seeing
- Hearing
- Pen
- Ink
- Sovereign
- Subject
- Citizen

Soldier | Gál moy
Villager | Déśing moy
Priest | Jhákri
Physician | Chimé
Druggist | Osa yilong
Master | Sing chopo
Servant | Mayo (small)
Slave | Gráng
Cultivator | Kámí chara
Cowherd | Góthála H
Carpenter | Bíní kami N
Blacksmith | Kámi N
Weaver | Naík vousa
Spinner | Rhim rhoua
Tailor | Rápáa
Basket-master | Gráng kióni
Currier | Púň rúpo
Tanner | Púň lai
Cotton-dresser | Rhim rowhan
Iron | Phálám P
Copper | Támha H
Lead | Síúa H
Gold | Liáng
Silver | Rúpá H
Rain | Nyóng wá
Frost | Chépu
Snow | Rápáng
Ice | Chépú
Fog | Khású
Lightning | Marang
Thunder | Maranh múra
<table>
<thead>
<tr>
<th>English</th>
<th>Chepáng</th>
<th>English</th>
<th>Chepáng</th>
</tr>
</thead>
<tbody>
<tr>
<td>A storm</td>
<td>Marshú</td>
<td>Four</td>
<td>Phöi-zho</td>
</tr>
<tr>
<td>A road</td>
<td>Liam T</td>
<td>Five</td>
<td>Püma-zho</td>
</tr>
<tr>
<td>A path</td>
<td>Mayo liam</td>
<td>Six</td>
<td>Krük-zho</td>
</tr>
<tr>
<td>A spring (water)</td>
<td>Tishakwó</td>
<td>Seven</td>
<td>Chaná-zho</td>
</tr>
<tr>
<td>Trade</td>
<td>Yinláng</td>
<td>Eight</td>
<td>Práp-zho</td>
</tr>
<tr>
<td>Capital</td>
<td>Rás</td>
<td>Nine</td>
<td>Taká-zho</td>
</tr>
<tr>
<td>Interest</td>
<td>Chó</td>
<td>Ten</td>
<td>Gyib-zho</td>
</tr>
<tr>
<td>Coin</td>
<td>Tanksa H</td>
<td>Half</td>
<td>Bákhh</td>
</tr>
<tr>
<td>Robbery</td>
<td>Latiláng</td>
<td>The whole</td>
<td>Yágdr</td>
</tr>
<tr>
<td>Theft</td>
<td>Ditto</td>
<td>Some, any</td>
<td>Yádró</td>
</tr>
<tr>
<td>Murder</td>
<td>Jénasátáng</td>
<td>Many</td>
<td>Jhó</td>
</tr>
<tr>
<td>Rape</td>
<td>Kútyáláng</td>
<td>None</td>
<td>Dómánalo</td>
</tr>
<tr>
<td>Cultivated field</td>
<td>Blá</td>
<td>Near</td>
<td>Lókó</td>
</tr>
<tr>
<td>City or town</td>
<td>Béráng</td>
<td>Far</td>
<td>Dyángtó</td>
</tr>
<tr>
<td>Village</td>
<td>Dési</td>
<td>Blind</td>
<td>Mikechángna</td>
</tr>
<tr>
<td>Horn</td>
<td>Róng T</td>
<td>Lame</td>
<td>Domtongá</td>
</tr>
<tr>
<td>Ivory</td>
<td>Liak</td>
<td>Dumb</td>
<td>Nósá chúl</td>
</tr>
<tr>
<td>Stupid</td>
<td>Waiva chúl</td>
<td>Deaf</td>
<td>Nósá mal</td>
</tr>
<tr>
<td>Honest</td>
<td>Waba pina</td>
<td>Clean</td>
<td>Bhangto</td>
</tr>
<tr>
<td>Dishonest</td>
<td>Wada pilo</td>
<td>Dirty</td>
<td>Gáltó</td>
</tr>
<tr>
<td>Great</td>
<td>Bronto</td>
<td>Strong</td>
<td>Jókto</td>
</tr>
<tr>
<td>Small</td>
<td>Maito, mayo</td>
<td>Weak</td>
<td>Jóklo</td>
</tr>
<tr>
<td>Heavy</td>
<td>Lito</td>
<td>Good</td>
<td>Piló</td>
</tr>
<tr>
<td>Light, (levi)</td>
<td>...</td>
<td>Bad</td>
<td>Piló</td>
</tr>
<tr>
<td>Tasting</td>
<td>Youngsang*</td>
<td>Ugly</td>
<td>Piló</td>
</tr>
<tr>
<td>Hunger</td>
<td>Ráng</td>
<td>Handsome</td>
<td>Dyángtó</td>
</tr>
<tr>
<td>Thirst</td>
<td>Kióp</td>
<td>Young</td>
<td>Dyáng mai</td>
</tr>
<tr>
<td>Disease</td>
<td>Róg H</td>
<td>Old</td>
<td>Burha H</td>
</tr>
<tr>
<td>Medicine</td>
<td>Osá N</td>
<td>Clever</td>
<td>Chimo</td>
</tr>
<tr>
<td>Fever</td>
<td>Aimang</td>
<td>To stand up</td>
<td>Chingsa</td>
</tr>
<tr>
<td>Dysentery</td>
<td>Bosúláng</td>
<td>To sleep</td>
<td>Yómsa</td>
</tr>
<tr>
<td>Small-pox</td>
<td>Dróm</td>
<td>To wake</td>
<td>Tyokeá</td>
</tr>
<tr>
<td>Fear</td>
<td>Rai</td>
<td>To give</td>
<td>Búisa T</td>
</tr>
<tr>
<td>Hope</td>
<td>Aphró</td>
<td>To take</td>
<td>Lía T</td>
</tr>
<tr>
<td>Love</td>
<td>Mharláng</td>
<td>To lend</td>
<td>Búisa</td>
</tr>
<tr>
<td>Hate</td>
<td>Ghrim 'nang</td>
<td>To borrow</td>
<td>Lía</td>
</tr>
<tr>
<td>Grief, sorrow</td>
<td>Manharáng</td>
<td>To buy</td>
<td>Yingsa</td>
</tr>
<tr>
<td>Joy</td>
<td>Yang náng</td>
<td>Black</td>
<td>Gáltó</td>
</tr>
<tr>
<td>One</td>
<td>Yá-zho**</td>
<td>White</td>
<td>Phámto</td>
</tr>
<tr>
<td>Two</td>
<td>Nhi-zho T</td>
<td>Green</td>
<td>Phelto</td>
</tr>
<tr>
<td>Three</td>
<td>Süm-zho T</td>
<td>Blue</td>
<td>Gáltó</td>
</tr>
</tbody>
</table>

* Sá I think is the infinitive sign, and áng, the participial; and one or other should appear uniformly here. Query! Sá the sign of neuter verbs.

** [Zho is evidently the sho 'number,' of the Chinese. J.S.]
### THE CHEPANG AND KUSUNDA TRIBES.

<table>
<thead>
<tr>
<th>English</th>
<th>Tibetan</th>
<th>Lhópa.</th>
<th>Chepang</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Duto</td>
<td>To shit</td>
<td>Yésa</td>
</tr>
<tr>
<td>Yellow</td>
<td>Yérpo</td>
<td>&quot; piss</td>
<td>Chúsá</td>
</tr>
<tr>
<td>Sweet</td>
<td>Nimto</td>
<td>&quot; ascend</td>
<td>Jyákśa*</td>
</tr>
<tr>
<td>Sour</td>
<td>Nimlo</td>
<td>&quot; descend</td>
<td>Púsá</td>
</tr>
<tr>
<td>Straight</td>
<td>Dhimto</td>
<td>&quot; cut</td>
<td>Stalchisá</td>
</tr>
<tr>
<td>Crooked</td>
<td>Dëngto</td>
<td>&quot; break</td>
<td>Tíésa</td>
</tr>
<tr>
<td>Hot</td>
<td>Dháto</td>
<td>&quot; join, unite</td>
<td>Chósá</td>
</tr>
<tr>
<td>Cold</td>
<td>Yéstho</td>
<td>&quot; jump</td>
<td>Jyósá</td>
</tr>
<tr>
<td>Dark</td>
<td></td>
<td>&quot; sit down</td>
<td>Músá</td>
</tr>
<tr>
<td>Light, luminous</td>
<td>Takto</td>
<td>&quot; write</td>
<td>Réésa</td>
</tr>
<tr>
<td>Great</td>
<td>Bronto</td>
<td>&quot; read</td>
<td>Brósá</td>
</tr>
<tr>
<td>Greater</td>
<td>Mhák táito</td>
<td>&quot; sing</td>
<td>Jánsá</td>
</tr>
<tr>
<td>Greatest</td>
<td>Mhák táito</td>
<td>&quot; dance</td>
<td>Syáksa</td>
</tr>
<tr>
<td>Small</td>
<td>Maito</td>
<td>&quot; lie down</td>
<td>Kontirmóa</td>
</tr>
<tr>
<td>Smaller</td>
<td>Cholam</td>
<td>&quot; get up</td>
<td>.....</td>
</tr>
<tr>
<td>Smallest</td>
<td>Cholam</td>
<td>&quot; tell a falsehood</td>
<td>Hékasó</td>
</tr>
<tr>
<td>To stand</td>
<td>Chimsa</td>
<td>&quot; see</td>
<td>Chésa, yorsa</td>
</tr>
<tr>
<td>To fall</td>
<td>Chónsa</td>
<td>&quot; sell</td>
<td>Yínlangásá</td>
</tr>
<tr>
<td>To walk</td>
<td>Whása</td>
<td>&quot; exchange</td>
<td>Gyésa</td>
</tr>
<tr>
<td>To run</td>
<td>Kísa</td>
<td>&quot; live</td>
<td>.....</td>
</tr>
<tr>
<td>To climb</td>
<td>Jyákśa†</td>
<td>&quot; die</td>
<td>.....</td>
</tr>
<tr>
<td>To question</td>
<td>Hótea</td>
<td>&quot; reas</td>
<td>Résa</td>
</tr>
<tr>
<td>To answer</td>
<td>Dyangnuksa</td>
<td>&quot; sow</td>
<td>Wáras</td>
</tr>
<tr>
<td>To request</td>
<td>Bajhináŋ?*</td>
<td>&quot; thresh</td>
<td>Rhaspa</td>
</tr>
<tr>
<td>To refuse</td>
<td>Bainangle?</td>
<td>&quot; winnow</td>
<td>Krapsa</td>
</tr>
<tr>
<td>&quot; fight</td>
<td>Kaichinsa</td>
<td>&quot; hear</td>
<td>Saisá†</td>
</tr>
<tr>
<td>&quot; kiss</td>
<td>Chopchisa</td>
<td>&quot; taste</td>
<td>Lyémása</td>
</tr>
<tr>
<td>&quot; laugh</td>
<td>Nhisá</td>
<td>&quot; smell</td>
<td>Námsa</td>
</tr>
<tr>
<td>&quot; cry</td>
<td>Rhíásá</td>
<td>&quot; touch</td>
<td>Dimśa</td>
</tr>
<tr>
<td>&quot; eat</td>
<td>Jhísa</td>
<td>&quot; count</td>
<td>Thóngésa</td>
</tr>
<tr>
<td>&quot; drink</td>
<td>Túmsa</td>
<td>&quot; measure</td>
<td>Krúsá</td>
</tr>
<tr>
<td>&quot; talk</td>
<td>Nhosá</td>
<td>&quot; remember</td>
<td>Mhardangesá</td>
</tr>
<tr>
<td>&quot; be silent</td>
<td>Ashimanga</td>
<td>&quot; forget</td>
<td>Mhoiyangésa</td>
</tr>
</tbody>
</table>

N.B.—T prefixed indicates a Tibetan etymon for the word, H Hindi origin, P Parbattia or Khas, and N Néwár ditto. It was not in my power to do more than collect vocables. I could not ascertain the structure: but comparing all the words, I conceive the anomalies of the verbs may be set right by assuming as to be the infinitival sign, and dang, varied to chang, yang, and rang, the participial one.—B. H. H.

---

* These should be Chóssa and Sàisa I apprehend; and so of the rest.

† If, as I suppose, Sá be the infinitival sign, there must be error, and the rather that all the verbs should have one form. A’ng, I think, is the participial sign.

HH
## THE CHEPANG AND KUSUNDA TRIBES.

**List of Chépang Words derived from the Tibetan Language, and specially the Lhútane Dialect of it.**

<table>
<thead>
<tr>
<th>English</th>
<th>Tibetan</th>
<th>Lhopa</th>
<th>Chepáng</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Mig</td>
<td>....</td>
<td>Mik</td>
</tr>
<tr>
<td>Sun</td>
<td>Nyima</td>
<td>Nyim</td>
<td>Nyam</td>
</tr>
<tr>
<td>Sky</td>
<td>Namkhuh</td>
<td>Nam</td>
<td>Nam</td>
</tr>
<tr>
<td>Ear</td>
<td>....</td>
<td>Nó</td>
<td>Navó</td>
</tr>
<tr>
<td>Mountain</td>
<td>Rǐ</td>
<td>Rong</td>
<td>Rías</td>
</tr>
<tr>
<td>Star</td>
<td>Kárma</td>
<td>Kam</td>
<td>Kar</td>
</tr>
<tr>
<td>Tree</td>
<td>Shing</td>
<td>Shing</td>
<td>Sing-tak</td>
</tr>
<tr>
<td>Wood</td>
<td>Shing</td>
<td>Shing</td>
<td>Sing</td>
</tr>
<tr>
<td>Leaf</td>
<td>Lé-ma</td>
<td>....</td>
<td>Ló</td>
</tr>
<tr>
<td>Salt</td>
<td>Thaá</td>
<td>Chha</td>
<td>Chhé</td>
</tr>
<tr>
<td>Road</td>
<td>Lam</td>
<td>Lam</td>
<td>Liam</td>
</tr>
<tr>
<td>House</td>
<td>Khyim</td>
<td>Khim</td>
<td>Kyim</td>
</tr>
<tr>
<td>Moon</td>
<td>zLava</td>
<td>....</td>
<td>Lámé</td>
</tr>
<tr>
<td>Bone</td>
<td>Rúspa</td>
<td>....</td>
<td>Rhús</td>
</tr>
<tr>
<td>Fire</td>
<td>Mó</td>
<td>Mí</td>
<td>Mí</td>
</tr>
<tr>
<td>Arrow</td>
<td>Dáh</td>
<td>Dáh</td>
<td>Láh</td>
</tr>
<tr>
<td>Dog</td>
<td>Khyi</td>
<td>Khi</td>
<td>Kúi</td>
</tr>
<tr>
<td>Buffalo</td>
<td>Mahi S</td>
<td>Meshi</td>
<td>Mísha</td>
</tr>
<tr>
<td>Day</td>
<td>....</td>
<td>Sá</td>
<td>Sá</td>
</tr>
<tr>
<td>Earth</td>
<td>....</td>
<td>Nyi</td>
<td>Nyi</td>
</tr>
<tr>
<td>Fish</td>
<td>Nyá</td>
<td>Gná</td>
<td>Gná</td>
</tr>
<tr>
<td>Hog</td>
<td>Phag</td>
<td>Phag</td>
<td>Piak</td>
</tr>
<tr>
<td>Horn</td>
<td>Rá</td>
<td>Róng</td>
<td>Róng</td>
</tr>
<tr>
<td>Two</td>
<td>Nyis</td>
<td>Nýi</td>
<td>Nhi-zhoš</td>
</tr>
<tr>
<td>Three</td>
<td>Súm</td>
<td>Súm</td>
<td>Num-zho</td>
</tr>
<tr>
<td>Give</td>
<td>Búh</td>
<td>Bin</td>
<td>Búí</td>
</tr>
<tr>
<td>Take</td>
<td>Lan</td>
<td>Ling</td>
<td>Li</td>
</tr>
</tbody>
</table>

§ Zho is an enumerative servile affix, like thampa in the decimal series of Tibetan.
5. A CURSORY NOTICE OF NAYAKÔTE
AND OF THE REMARKABLE TRIBES INHABITING IT.

Nayakôte, or the Hither Nayakôte, as it is often called, to distinguish it from
Nayakôte of the Choubis, is the name of a petty town and district lying W. N.
W., seventeen miles from Kathmándú, by the high road to Gorkha. The town (so
to speak) is situated at the northern extremity of the district, upon a spur
descending south-westerly from Mount Dhaibung, or Jibjiba, at about a mile dis-
tant from the River Trisool on the west, and the same from the River Tádi, or
Surajmatti, on the south and east. The town consists of from sixty to a hundred
pakka three-storied houses, in the Chinese style of Kathmándú, chiefly owned by
the court and chiefs; of a durbar, called the upper, to distinguish it from the lower
one on the banks of the Tádi; and of a temple to Bhairavi, all in the like style
of architecture. The town forms only a single street, lying in an indentation on
the crest of the ridge, and is consequently not visible from below on any side, though
the durbar and temple, from being placed higher, are so partially. Nayakôte, up
to the late war with the English, was the winter residence of the present dynasty
of Népál; but as the situation of the town is bleak and uncomfortable at that
season, the court and chiefs then usually resided in mansions still standing at
the base of the hill towards the Tádi, but now a good deal dilapidated, like the
town residences, owing to the court having been stationary at Kathmándú since
1813. The district, like the edifices of the great, bears marks of neglect, which
are the more palpable, by reason of a considerable portion of it being devoted
to gardens and orchards, the property in a great measure of the owners of those
edifices. The elevation of the town above the level of the Trisool must be from
800 to 1,000 feet, and the effect of this elevation in concealing it is aided on the
side towards the Tádi by a fine forest of saul-trees occupying the whole decli-
vity. On other aspects, the saul-trees, inherent to the whole site, are reduced to
scrubby brushwood, by perpetual injudicious cutting and defoliation, the leaves
being used as plates to eat from, and being perpetually carried to Kathmándú
for sale there. This ridge has a soil of a deep red clay and its general form is
rounded, but broken by deep ruts and ravines in most directions. Towards the
Trisool west, and towards the Tádi south and east, the declivity of the ridge of
Nayakôte is precipitous; but towards the junction of the two streams, in a south
westerly direction, the hill falls off more gently, and about 1½ mile below the town
spreads into an undulating plain, which occupies almost the whole space between
the rivers to their junction and the ridge on which the town stands. This tract
may be represented as a nearly equilateral triangle, two of the sides of which are
formed by the rivers, and the third by the ridge. This triangle is a plain, exclusive of the declining spur of the ridge, and is an elevated plain, exclusive of that north-easterly angle lying on either side the Tâdi, towards and to its junction with the Sindhu at the base of Bhâlu Danra. This north-east corner is on the level of the rivers; the other parts are variously from one to four hundred feet above that level; and together they constitute the chief part and body, as it were, of the valley of Nâyakôte, the rest or legs (so to speak with some aptness) of the district being the glens of the Tâdi and of the Sindhu as far upwards, respectively, as the confluence of the Likhu and the base of Burmândi. The mountain ridges enclosing the district of Nâyakôte, as above defined, are, beginning with the Nâyakôte ridge itself, and circling east back again to it—Maha Mandal Nerja (north of Tâdi), Kabilâs (dividing the Tâdi and the Likhu), Bhâlu (dividing the Likhu and the Sindhu), Dang-mai or Burmândi Madanpore, and Ghoor (enclosing the glen of the Sindhu on the south), Bêlkote (carrying on the same southern barrier down the Tâdi to Dévi Ghât), Jhiltoong (below the Ghât but still on the south of the river), Thrîkla (opposite to Jhiltoong on the north of, and across, the river), and Gовri and Sâmâri-bhanjâng (running northerly up the Tisool to the Sânga, or bridge at Khinchât), where we complete the circuit by linking the last to the Nâyakôte ridge, the two in that spot pressing close on either bank of a river. With regard to size, if we speak of this tract as a whole, it will not be easy to be at once precise and distinct; but we may observe in regard to the body of the district, inclusive of the north-east corner on the low level, that from Dévi Ghât direct up the Tisool to the Sânga at Khinchât the length is four miles, by the road five miles; from Dévi Ghât to the town of Nâyakôte from four to five miles, through the middle of the elevated portion of the district; from Dévi Ghât up the Tâdi to its junction with the Sindhu, four miles and the same from the latter point to Khinchât across the base of the triangle, from the Tâdi to the Tisool; again, and inclusively of the legs of the district, from Dévi Ghât to Burmândi, up the glens of the Tâdi and the Sindhu, is six miles; and from the same point up the Tâdi to its junction with the Likhu, eight miles. The maximum breadth of the entire district is at the base of the triangle just adverted to, and here the distance by the road from Bhâlu Dánra to Khinchât is four miles. The maximum of breadth, however, is not above three miles; that of the plateau alone, between the principal river, two miles. But, in speaking of breadth especially, we should distinguish between those parts which have been called the legs and the body of the district, the legs being the subsidiary vales of the Sindhu and of the Tâdi. The former of these, then, from the base of Burmândi to the apex of the Bhâlu ridge, where this glen merges in the larger one of the Tâdi, is only from two hundred to four hundred yards wide; whilst the width of the vale of the Tâdi in that portion of it which extends lengthwise from the apex of the Bhâlu ridge to that of Kabilâs at Choughora, is from half to three-quarters of a mile; and, if we distinguish (as well we may) the low tract lying on both banks of the Tâdi, between the western extremity of the two last-named divisions, and the point where the Tâdi gets
NAYAKOTE AND ITS TRIBES.

compressed into a mere gully on the upper confines of Bélkote (forming the north-east corner just spoken of inclusively,) we have a third tract, which is some 1,200 yards in medium breadth. The length, again, of the first of the subdivisions of Náyakóté is two miles; of the second, four miles; of the third, one mile. All these three are tracts of the same character, that is, they are hot, swampy rice beds on the level of the streams that water them, except in the instance of the glen of the Tádi, which, upon the right bank of the river, possesses a wideish strip of land considerably raised above the stream, and running under the Maha Mandal and Náyakóté ridges (where the court and chiefs have houses) to where the latter spreads into the chief elevated plain of the district above spoken of. That plain cannot be watered from the Trisool or Tádi by reason of its elevation; and as the Náyakóté ridge, whence it is derived, yields no efficient springs of water, the plain is condemned to exclusive dependence on rain. Every such plain or plateau is, in the language of Népál, a Tár; whereas the lower and perpetually waterable tracts, above contra-distinguished, are, in the same language, called Biásí. The first of the three is the Sindhu Biásí, from the name of its streamlet, the Sindhu; the next the Tádi Biásí, from its river; and the third, either Tádi Biásí also, or Sangum Biásí, from the confluence of the Sindhu and Tádi within it. The Tár, or chief tract, is numerous sub-appellated, as Pullo Tár, next Dévi Ghát; then Manjhi Tár; then Bur Tár, next the Náyakóté hill; with various others parallel to these and nearer the Trisool, towards which the plateau in general has a tendency to sink step-wise, though never nearer the deep narrow bed of that river than several feet, twenty or more. These Társ are rather more wholesome and habitable than the Biásís, and capable of more various culture, though chiefly of trees, since trees alone can flourish deprived of water, except from rain; and thus is, in part, explained the great pre-dominance of mangoes and other groves over fields of agriculture in the Tár or Társ of Náyakóté, which, however lovely at all seasons, boast no winter or spring crops, despite of the high temperature of the place; the Társ are too dry, and the Biásís too wet for spring crops, though they be common in the much colder valley of Népál Proper. The difference of temperature between the valleys of Náyakóté and of Népál Proper is occasioned by the difference of elevation above the sea. This difference amounts to 2,250* feet; and the same cause affords us also the only apparent, but far from satisfactory, explanation of the fact, that whilst Náyakóté is pestilently malarious from March to November, Népál Proper is free from this scourge, all other circumstances being the same in each valley. The lowlands of Náyakóté, consequently, are but very thinly peopled, the only permanent dwellers therein being several singular and affined races of men, called Dahi or Dari, Kánmá, Kuswar, Botia, Bhrámu, and Dézwár, of whom more hereafter, and some few Parbatis and Néwârs. The Néwârs build and dwell solely on the Târs. The Parbatis will not adventure even so far, but usually have their houses on the hills around, and never suffer themselves to

*See Dr. Campbell's excellent paper, apud J. H. and A. S.

HH1
sleep in any part of the lowlands for a single night between April and November. In the Bhāsīs, then, are houses of Dēnāwās and their companions only: in the Tāres, those of the above people, and of some few Parbhātīās and Nēwārīs also, but in neither do the clusters of cottages hardly ever reach the size of a village and the dwellings stand for the most part single and scanty. The whole district is said to contain 700 houses, but I doubt it, even allowing 100 or 150 houses to the town; and half the number in either case would probably be nearer the mark.

The soil of Nāyakōte contains a juster proportion of clay to silex and calx than the soil of the greater valley of Nēpāl Proper, which is derived principally from the débris of granitic formations; and hence we obtain an explanation of the reputed eminent fertility of the former, and, more surely, of its celebrated potteries. The heights around Nāyakōte are of inferior size, consisting on the northern side especially, mostly of iron clay, of very deep red tint; and the superficial soil of the Tāres is for the most part the same, the substratum being, however, usually gravel, whence the dryness of their soil is increased.

The soil of the Bhāsīs also is clayey, but untinted luteous white, and where unmixed with silex or other ingredients, even more tenacious than the red clay. The pottery clays are exclusively of the former sort. Mica, so common in the great valley of Nēpāl, is here never witnessed. The high temperature of Nāyakōte admits of most of the trees, forest and fruit, as well as of the superior Cerealis, of North Behar and the Tāres, being cultivated with success, though they cannot be raised in the great valley. Nāyakōte has, besides, distinguished products of its own, which are not found, or not found so good, in the plains of Behar—these are the orange and the pine-apple. The forest trees peculiar to the district, not found in the great valley, and identifying this of Nāyakōte with the Tāres and plains, are the Saul (Shorea robusta), Burr and Pipal (Ficus Indica et Religionis), Semal or Cottontree, Prās, Neem, and Mohwa. The Tīnus longifolius, and other mountain-growths, are frequently found mixed with these on the declivities around.

The chief of the fruit-trees is the Mungoo of various sorts, many exotic and superior, though the celebrated Bombay mango is apt to lose its flavour by swelling into undue and dropical dimensions; the tamarind, the abir, the jackfruit or bāl, the kathur, the bādhur, the pukri, the guava, the custard-apple or sharīfā, and, in a word, all the ordinary fruit-trees of India, none of which, it should be added, flourish in the larger valley. To the above we must subjoin the following exotics grown in the gardens of Khinchāt, belonging to the Government—naril or cocoanut, supari or betel, vine, pear, apple, apricot (native), and plums of many kinds. All but the two first of these, however, flourish as well, or better, in the greater valley, being European products.

The smaller horticultural products of Nāyakōte are pine-apples (excellent), plantains of many kinds and good, jamans of four sorts, melons, but no grapes nor peaches. Pines, plantains and jamans are denied to the greater valley, where however the orange—that boast of Nāyakōte—flourishes. The better kinds of the Nāyakōte oranges are equal to any in the world, so that our horticulturists in
India should endeavour to procure and propagate them. The agricultural products of Náyakóté resemble in general those of the greater valley of Népál Proper; and as the latter have been fully described in print,* I shall on the present occasion specify only the peculiarities of Náyakóté produce, resulting from its more tropical climate. It has already been observed, that whereas there are two crops per annum in the greater valley, there is only one in the lesser, because of the excess of moisture and want of drainage in the Biásis, and of the total absence of means of artificial irrigation in the Társ. The Biásis yield only rice, which is not planted nor reaped at the early periods prevalent in the greater valley, but at the later ones usual in the plains of Behar; and the like is true of the sugar-cane which is grown on the skirts of the Biásis. In the great valley every blade of rice has disappeared by the beginning of November, and half the crop by the middle of October; the untransplanted sorts of Ghaiya even sooner. In Náyakóté the rice-harvest lasts till the beginning of December, nay to the middle of that month, and there are then no means of desiccating the fields rapidly enough for a spring crop. The rice grown in the Biásis are different from those grown in the greater valley, with the exception of Malai and Touli, and even of these two sorts there is but little. Munsara is the staple crop of Náyakóté, and of its several kinds, as Doodis, Gouria, &c. It is of a bright golden hue, straw and grain, and longer in the stalk than our rice, to the best of which it is equal in quality. Among the seventeen to twenty sorts of rice grown at Náyakóté, are the Mal-bhóg, Krishen-bhóg, and other fine descriptions, for which Pillibheet is so famous. None of these last can be raised in the greater valley. The following are the names of the Náyakóté rice:

- Málsi,
- Krishen-bhóg,
- Isegoon,
- Touli,
- Bairini,
- Anandi,
- Doodraj,
- Cháringarí,
- Rodra,
- Munsara,
- Jarasari,
- Katónja,
- Gouria,
- Mal-bhóg,
- Tharia,
- Kála Gouria,
- Jhágrí,
- &c., &c.

The Ook, or sugar-cane of Náyakóté, is incomparably superior to that of the greater valley, and indeed to that of most parts of India. There are five principal sorts, four of which are yellowish, and the fifth, dark red. I purpose to send specimens of these to Calcutta for examination. Ook is grown on the skirts of the Biásis, as well as on the declivities of the hills near them. On the Társ, or plateaux or upper levels, are grown, besides the ordinary rain's produce of similar sites in the greater valley, the superior sorts of Dall, such as Arber, and cotton of inferior quality, neither of which can be raised at all in the greater valley. Of the whole surface of the Társ of Náyakóté, a half probably is devoted to gardens and orchard; a quarter to fields of dry produce; an eighth to rice or wet produce; and the remaining eighth may be barren.

* See Dr. Campbell's excellent paper, apud. J. H. and A. S.
NAYAKOTE AND ITS TRIBES.

The genera of mammals and birds observed during a hurried visit, under disadvantageous circumstances, were Nemorhedus (Ghoral), Stylocerus (Ratwa), Martes (Flavigula), Sciuropterus (Magnificus), Sciurus (Locria), all common to the greater valley; Corvus, Pastor, Coracias, Alauda, Anthus, Motacilla, Budytes, Pyrgita, Phoenicura, Saxicola, Phoenicorhynchus, Dicurru, Muscicapura, Tichodroma (Muraria), Picus, Pseudornis, Clorhynchus,* Totanus Tringa, Ercetta, Anas, Quercuda, Carbo, Margus, Turtur, Euplocomus, Gallus, (Jungle-cock, Bankiva,) Chootopias, Perdix, Coturnix, Hemipodius. Of these, Gallus, Coracias, and Pseudornis, unknown to the greater valley, proclaim the quasi-Indian climate of Nāyakote; as Carbo and Margus, also unknown there, do its larger rivers. For the rest, the species, as well as genera, are those common to both districts. The wall-creeper of Europe, supposed to be confined thereto, is frequent in both.

The commerce and manufactures of Nāyakote are too inconsiderable to claim specific notice; but in the cold season, in this, as in all other smaller valleys of Nāpāl, booths are erected on the riverside by traders and craftsmen from the great valley, who reside there for the four coldest and salubrious months (December to March inclusive), exchanging grain for rock salt with the Bhātas, both Cis and Trans-Himalayan, dyeing the home-spun cloths of the neighbouring hill tribes with the madder supplied by them and the indigo of Tirhoot, and tinkering and peddling, for the assembly collected at this petty sort of fair.

It has been already observed, that the inhabitants of Nāyakote consist of several peculiar races, besides the ordinary Parbattia tribes and the Nāwār. Both the latter have been described elsewhere, I shall therefore confine myself in this place to a short notice of the former, or Dēnwār, Dari, Kuswar, Botia, Bhrāmu, and Kūmhā. These tribes are exceedingly ignorant, and moreover are disposed to use the little wit they have in cunning evasion of all inquiry into their origin and history, affecting to be hill-men, employing the Parbattia language, and pretending to have forgotten their fatherland and speech. In their (comparatively with reference to the Tartaric type) dark-hued skins, slender forms, oval faces, elevated features, and peculiar dialect, barbarous patois as the last now is —may perhaps be traced the apparent signs of a Southern origin. These men certainly do not all, if any, belong to the ordinary or dominant Tartaric stock of the mountaineers of Nāpāl, but either to the ordinary stock of the Indian population (Indo-Germanic) or to some of those fragmentous branches of it, which still here and there represent a preceding Turānian race or races, as the Hās, Mūndas, Urāuns, Gōnda, Bhils across the Ganges, and the Thārus and Bōhra of the NēpālīTarai. Between the last-mentioned and the Dēnwār in particular, a distinct affinity may be traced: but to verify and illustrate this affinity through Thāru helps, is as little feasible, as to do it through Dēnwār ones; and I shall only therefore venture to say at present, that whether the Thārus of the Tarai, and the Dēnwārs and their compeer cultivators of Nāyakote, and of other simi-

NAYAKOTE AND ITS TRIBES.

lar low and malarious tracts within the hills (for in many others they are found), belong to the aboriginal or to the ordinary stock of Indian population, they are closely connected among themselves, separate from the dominant Tartar breeds of the mountains, and possibly emigrants from the plains countless generations back.*

The Kuswár, Bòtia, Kùmhá (not own name), Bhùràmù, Dénwár, and Dari or Dahi inhabit with impunity the lowest and hottest valleys of Népâl, just as the Thárús, etc. do the Tarái, and also, the Mundás and Uranós of Chota Nápóre, but as recent servants and settlers merely, in the case of the last two, who are chiefly mentioned here, because of their participating with the races now before us, in that singular immunity from malarious affection, which is not known to be the attribute of any other people whatever.

Wherever malaria rages from March to November, beyond the Saúl forest and within the hills, there the Dénwâr, Darís, Bhùràmús, Kùmhàs, and Mánjhís dwell, and dwell exclusively, sometimes collected in small villages, more usually in scattered cottages, comfortably built of unhewn stone, or wattles laid over with plaister, and furnished with a pent and overhung roof of grass or rice straw, which is verandahed towards the east. They follow the avocations of agriculturists, potters, fishermen, and ferrymen, and at all these crafts, and more especially at the second, they are very expert; the Kùmhás of Náyakoté in particular being renowned for their workmanship even in the vicinity of the very able craftsmen in that kind, whom the great valley produces.

These races of men affect a distinctness among themselves, which is apt to make a stranger smile, though it may possibly indicate different periods of immigration and of settlement within the hills, or immigrations from different places. In general, the five tribes or races will not intermarry among themselves, nor with any of the races around them; and they allege that their languages (dialects) were, and customs are, distinct. But they all now commonly use the Khas language, and call themselves Hindus, though they neither believe in the sacred

* I have, since this was written (sixteen years back), obtained samples of the languages of most of the above named tribes, which I am thus enabled to class with the broken Turanian tribes of the Himalaya, inclusive of its Tarái. These tribes, by their complex languages and altered physical type, form most interesting links between the Himalayan normal or unbroken tribes, as well as their confères beyond the snows, and the broken and unbroken tribes of the Turanian stock in Central and Southern India, viz. the Dráviris or Tamuliens and the Mundás, Hós, and Sontáis. I cannot subscribe to Mülèr’s or Lógh’s doctrine of a separate Gangetic sub-family of Turanians, nor to that of a separate Lollitic sub-family. Very remotely divided times of Turanian immigration may be conceded, but not totally sundered routes, and still less such broad distinctions of race among the immigrants as seem to be contended for. The hundred gates of Himalaya were ever open to admittance, and the population beyond the snows has been in all time one and the same, or Turanian with subordinate distinctions equally found beyond and within the Himalaya. It may be that the Ugric stock of the immigrants found their way into India by rounding the N.W. extremity of the Himalaya. But there are closely allied Turkic tribes in Central Himalaya, which certainly entered by the Himalayan Ghâts, e.g. the Kuswár and Bòtia. (not Bhótia).

† This is a Khas term and includes with the tribes of which the proper and separate names are Kuswár and Bòtia (not Bhôtia or Tibetain).
scriptures of the Hindus, nor accept the sacerdotal offices of the Brahmans. With a general remembrance of manners and customs, they have some trivial diversities of usage, as follows.

Mánjhis.—Their priests are the old men of the tribe; in making burnt and other offerings to their deities, they use no sacred or other words or prayers. On account of births, they are impure for four days: they cut the navel on the day of birth, and four days afterwards make a feast. On account of deaths, the impurity lasts fourteen days, but under stress of business, one day’s observance will suffice at the moment, so that the other nine are observed afterwards.

Déwars.—They allege that they came from the Western hills; their priests are their daughters’ husbands and sisters’ sons. Impurity at births lasts for ten days, and the same at deaths: they will not eat pulse dressed by Brahmans, but rice, if it have ghee in it, they will. They sometimes enter into trade and service. Dahi vel Dari, Kúnhá, Bhrámá, have a general resemblance of manners and customs with the last; but they will not eat rice dressed by Brahmans, whether it have ghee in it or not, but will eat other things of Brahmans’ dressing. None of the five races has any written language or characters; but the investigation of their common connection, and of their affinity with other aboriginal races inhabiting other more or less secluded localities throughout the plains of India, might still be managed, through their speech, their physical attributes, their manners and customs, if the Argus jealousy of the Népál Government could by any means be charmed into a more discriminating use of Chinese maxims of foreign policy.

RIVERS FALLING WITHIN THE ABOVE LIMITS.

1. The Sindhú rises from Sindubhanjung, an off-set from Mount Manichur, or the most eastern part of Sivapoor, the northern barrier of the greater valley. The Sindhú has a course of about fifteen miles almost due west behind, or to

* Divided in Kuswär and Bótía, which are the proper tribe names. Mánjhis refers only to their profession as fishermen, and is a name imposed by the Khas.

§ These purely arbitrary customs may serve hereafter as helps in tracing the affinity of these and other semi-barbarous races throughout the mountains and hills of the Indian Continent, the disjuncta membra of its original population.

The Dushi or Dahi, Kumbá, have tongues which are now almost merged in Hindi, though still retain some structural traits of Turanian origin, as the Kuswar with its conjunct pronoun suffixed to noun and verb in the Turkic way. The Dhrámus (who are allied to the Dushi) like the Hóyu, the Chepung, and the Kusandas of the hills, have tongues of purely Turanian character still.

* Kuswar supra:—

Baba-tm ‘my father.’
Baba-ir ‘thy father.’
Baba-ik ‘his father.’

Thatha-im-ik-an ‘I strike.’
Thatha-tr-ik-an ‘thou strike.’
Thatha—ik-an ‘he strike.’

Ik, the transitive verb sign. It is the conjunct form of the third pronoun.

† See a paper on the Nilgirins, in a recent number of the Asiatic Society’s Journal.

† Sindhú, a petty feeder only of Upper Likhu, rises at a village of Sindhú, soon merged in Likhu. The Sindhúriá is separate and rises from eastern end of Bhálu Dámá, where it links on to Burmándi. Thëralkhála, from Kháulí, joins at base of Burmándi, and both flow about four miles to the Tááli. The stream spoken of as No. 1 is therefore the Sindhúriá as now defined. The Likhu and Sindhú are one in all the limits noted, or rather the Sindhú is nothing.
the north of, Sivapoor and Burmándi, through a narrow fertile glen, which is somewhat interrupted by the projection of the base of Burmándi, where the main road from Kathmandú runs. Above this point the glen often bears the name of Tansen; the river is a mere streamlet, drawing half its water moreover from the west aspect of Burmándi, below the Resident's Powað or bungalow. It falls into the Tádi at Narain, or Ghur Ghát, being divided from the Likhu by Bhálú Dánrá, or the Bear's Ridge.

2. The Likhu, a somewhat larger stream than the Sindhu, parallel to it on the north, and separated from it by Bhálú Dánrá. The Likhu rises from above the Kabilás ridge, which divides it from the Tádi on the north. The course of the Likhu, though in general parallel to that of the Sindhu, yet radiates towards the north, as the Tádi does still more. The Likhu is about double the size of Sindhu, and has a course of perhaps twenty miles; it falls into the Tádi at Choughora, four miles above the lower Durbar of Náyakóté. Its glen is cultivated throughout, and has an average width of 300 yards in its lower part. It is not a third the size of the Tádi.

3. The Tádi, classically styled Suryavati, from its taking its rise at Súryakúnd, or the Sun's Fount which, in the most easterly of the twenty-two little lakes of Gosain-thán, is thrown off towards the east, as is the Trisool from the same point towards the west, by the loftiest of the snowy peaks in the region of Népál Proper, and which is consequently the point of divergence of the nearest seven Gandaks on the one hand, and of the seven Cosías on the other. The Tádi, however, though at first put off in an easterly direction, is drawn round westerly to mingle with the seven Gandaks, instead of joining the proximate Milamčí and Indhani, or first feeders of the Sun Cosí, by a large ridge running south from Gosain-thán nearly to Sivapoor, and putting off laterally towards the west the inferior ridges of Kabilás and Nerja, which separate the rivers Likhu and Tádi in all their lower and parallel courses. The Tádi proceeding at first easterly is gradually bent to the west by the great ridge just mentioned. The whole course of the river to Dévi Ghát, where it merges in the Trisool, may be thirty miles, ten east and south, and the rest W.S.W. In its lower course, before reaching Náyakóté, it is bounded on the left bank by the narrow ridge of Kabilás, and on the right by that of Nerja. It receives the Likhu at Choughora, four miles above, or east of, the lower Durbar of Náyakóté, and the Sindhu, at Narain Ghát, opposite to that Durbar. In the rest of its course of about four miles W.S.W. to Dévi Ghát, it confines the great Tar or plateau of Náyakóté on the south, just as the Trisool does no the north. At Narain Ghát, the Tádi in December is thirty to forty yards wide and two feet deep. It is but little wider or deeper at Dévi Ghát, and consequently is not a tenth of the size of the Trisool, which at the Sunga of Khinchát is thirty-six yards broad and twenty-two and a half feet deep. The glen of the Tádi is cultivated throughout nearly, and in its uppermost parts is said not to be malarias.

4. The Trisool, or most easterly of the seven Gandaks of Népál, rises from the principal of the twenty-two Kunds, or lakelets (pools) of Gosainthán. These
Lakelets occupy a vast summit of considerable extent, that cannot be less than 10,000 feet high, and lies immediately below the unrivalled peak variously called Nilkant, Gosain-thân, and Dhawalagiri. The lake, more especially called Gosain-thân, is probably a mile in circuit, and close behind it, from the perennial snow, issues by three principal clefts (hence the name Trisool†), the River Trisool, or Trisool Gandaki. Its course is at first due west almost for perhaps fifteen miles, but then turns S.S.W., running in that direction for twenty miles, and more, to Dévi Ghât. It is a deep blue, arrowy, beautiful stream, conducting not only the pilgrim to Gosain-thân, but the trader and traveller to Tibet; the road to Kérung in Tibet striking off from the river where it bends (as you ascend) to the east, and the town itself of Kérung being visible from Gosain-thân in clear weather, at the distance of perhaps thirty miles. The Trisool, four miles above Nâyakôte, receives the Bâtirvati at Dhaibung, from the N.E. It is a petty stream, not having a course above fifteen miles from one of the resilient angles or bosoms of Nount Dheibung or Jibjibia, the continuation of which ridge towards the west, and across the Trisool, is called Sâlima Bhârêśa. This latter ridge conducts another feeder into the Trisool from the N.W. called the Salankhu, of about the same size with the Bêtrawati. Considerably south of the Sâlima ridge is the ridge called Saurribhanjâng, whence flows a third and still smaller feeder of the Trisool, named the Samri Khola, which disengages itself into the Trisool from the north-west, half a mile to a mile below the Sunga or suspension bridge of Khinchât. The valley of the Trisool is narrow, and without any Bâsâi or plain on the level of its waters, which flow in a deep bed. The heights, however, on one or both sides, supply numerous rills for occasional cultivation, which is maintained as far up as ten miles above Dhaibung (Dayabhang), a considerable village, where the ordinary Parbattia population begins to yield to the race called Kachár-Bhôtias, or Cis-Himâlayan Bhôtias. At Dévi Ghât the River Trisool is passed by a ferry most jealously guarded; nor is the river thence to Dévi Ghât permitted to be used for any sort of transport, nor even for the floating of timber, though the rapids (there are no cataracts) may help the prohibition. A few miles below Dévi Ghât, the streamlets poured into the Trisool by the glen of Dhûnibyâsi, afford much better access to the great valley of Nêpâl, by the route of Trisool, than that which follows that river to Nâyakôte and thence leads over Burmândi. These latter routes issue into the great valley at Thankote and at Ichangu Narain.

* Nilkant and Gosain-thân may be called proper names of this great snow mass. Dhoulagiri is rather a descriptive epithet, equivalent to Mont Blanc and Lebanon, and its application to this peak is unadvisable, because it has now become the settled name of the next great peak to the west of Gosain-thân.

† The legend of the place states that Maha Dêva went to the snow to cool his throat, which had been burnt by swallowing the Kalkot poison, which appearing at the churning of the ocean, threatened to consume the world. Maha Dêva is called “blue throat,” from the injury he sustained. He produced the river by striking his Trisool into the snows.
5. ON THE TRIBES OF NORTHERN TIBET. (HØRAK AND SOYRAK)
AND OF SIPAN.

I now submit my promised Sifân and Hóras̱k vocabularies, with such geographic illustrations as may tend to render them more easily and fully appreciable. I intended to have retained these vocabularies till I had completed my ending investigation of the grammar of the Gyárung and Hórpa tongues. But the high interest attaching to the discovery of another surprising instance of the wide-spread relations of these tongues, made in the course of that investigation, and which discovery is sufficiently verifiable even by the vocabularies, though by no means limited to their evidence, together with the bearings of these vocabularies upon my two last communications, induces me not to postpone the sending of them. I can follow them up, by and bye, by the proposed grammatical elucidations. In the meanwhile there is abundant matter for the present communication in such a statement as I now propose giving of the present discovery, in some general remarks on the characteristics of the vast group of tongues to which the vocabularies, now and priorly submitted, belong, and in some descriptions of the physical attributes of the almost unknown races more immediately now in question. Nor do I apprehend that the want of the grammatical details adverted to will materially impair the interest of the present communication, since I have anticipated so much on that head in the way of practical exposition by samples as to make the special discovery I announce perfectly appreciable without those details, which, moreover, speaking generally of this vast group of tongues, I have shown reasons for deeming less important than they are wont to be held both philologically and ethnologically.

This series of vocabularies is entirely my own work in a region equally interesting and untrodden. It consists of seven languages, viz., the Tröchü, the Sôkpa, the Gyâmi, the Gyárung, the Hórpa, the Tâkpa, and the Mânyâk; and so novel is a deal of the matter, that it will be necessary to explain at once what these terms mean, and to shew where the races of men are to be found speaking these tongues. Hóras̱k is a compound Tibetan word, by which the people of Tibet designate the nomades who occupy the whole northern part of their country, or that lying beyond the Nyêncchhê̱n-thânglâ* range of mountains, and between it

*This important feature of the geography of Tibet is indicated by the Nian-tmixedangla of Ritter's Hoch Asien and by the Tanla of Huc. I have, following native authority, used in a wide sense a name which those writers use in a contracted sense; and reasonably, because the extension, continuity, and height of the chain are indubitable. Nevertheless, Ritter and Guyon have no warrant for cutting off from Tibet the country beyond it up to the Kuenlûn, nor are Kathê and Khôr, the names they give to the country beyond, admissible or recognized geographic terms. Khôr, equal Kôr, is purely ethnic, and Katchê is a corruption of Kháchhê̱n or Mahomedan, literally Big-mouth.
TRIBES OF NORTHERN TIBET.

and the Kwanleun or Kuenlun chain. Hörök designates the two distinct races of the Hör or Hörpa and the Sök or Sökpa, neither of whom, so far as I have means to learn, is led by the possession of a native name at once familiar and general, to eschew the Tibetan appellations as foreign; though it will soon be seen that they are really so, if our identifications fail not. The Hörpa occupy the western half of the region above defined, or Northern Tibet; and also a deal of Little Bukharia and of Songaria, where they are denominated Kao-tsê by the Chinese, and Ighüs (as would seem) by themselves.

The Sökpa occupy the eastern half of Northern Tibet as above defined, and also the wide adjacent country usually called Khokhonir and Tangût by Europeans but by the Tibetans, Sökyesul or Sök-land.

In Southern Tibet, or Tibet south of the Nyenchhen-thanglû chain, there are numerous scattered Hörpas and Sökpas, as there are many scattered Bödäpas in Northern Tibet; but, in general, that great mountain chain, the worthy rival of the Himilaya and the Kuenlun, may be said to divide the nomadic Hörpas and Sökpas from the non-nomadic Bödäpas or Tibetans proper. Though the major part be Buddhists, yet are there some followers of Islam among the Hörpas and Sökpas of Tibet; more beyond the Tibetan limits. They are all styled Khâchhen by the Tibetans, of which word I think the Chinese Kao-tsê is a mere corruption, despite Cunningham's ingenious interpretation of Kao-tsê.

The Islamites are also called Godkar, of which term again Klaproth's Thógar seems to be metamorphosis.

Between the Hörpa and Sökpa, in the central part of Northern Tibet, are the Drökpa vel Brökpa whose vocables I have as yet failed to obtain; and also, numerous "Kaz Zack" or mounted robber bands, styled by the Tibetans Chakpa vel Jagpa, who recruit their formidable association from any of the neighbouring races, but especially from the Bödpa (Tibetans proper), the Hörpa, the Sökpa, and the Drökpa.

The language of the Chakpa is the ordinary Tibetan, and therefore, and because also of their very mixed lineage, they are of little ethnic importance, though always cited by the Tibetans, with fear and trembling, as a separate element of their population. The predatory habits of the Chakpa often carry them beyond their own limits, and they and the erratic Drökpa are often seen in Nâri, where Gerrard and Cunningham speak of them under the designations of Dzakpa and of Dökpa. I doubt the ethnic independence of both, and believe them to be mixed associations, composed of people of the above specified races, from among which the Hörpa or Turks contribute an element even to the Himilayan population of Kanâver, as is proved by the infinitives in " mak" of the Taburskakad tongue.

From Khokhonir to Yûnnän, the conterminous frontier of China and Tibet, is successively and continuously occupied (going from north to south) by the Sökpa above spoken of; by the Amđôans, who for the most part now speak Tibetan; by

* Quite distinct from the Dökpa vel Brûkpa of Bhútan. The ' vel' indicates the distinction of the written from the spoken word.
the Thóchú; by the Gyárúng; and by the Mánvak, whose vocabularies are all
subjoined; whilst returning back westward, along the “pente septentrionales”
of the Himálaya, we have, after passing through the Kham districts of Chyárúng
and Kwombo, the region of the Tákpa, or Tákyeul, styled† Dákpo by Ritter,
who, however, places it east of Kwombo, whereas it lies west of that district,
written Combo by him. The Brahmapútra or Yárú quits Tibet in the district of
Kwombo, as he states.

Tákyeul, the Towáng Raj of the English, is a dependency of Lhásá. Its civil
administrator is the Chonajhg-peun; its ecclesiastic head, the Tamba Láma,
whence our Towáng.

The people of Sókyeu1, of Amdo, of Thóchú, of Gyárúng, and of Mánvak, who
are under chiefs of their own, styled Gyábo or King, Siníc Wang, bear among
the Chinese the common designation of Sifán or Western aliens; and the Tibetans
frequently denominate the whole of them Gyárúngbo, from the superior importance
of the special tribe of Gyárúng, which reckons eighteen chiefs or banners, of power
sufficient, in days of yore, often to have successfully resisted or assailed the Cele-
tstial Empire, though for some time past quietly submitting to a mere nominal de-
dendency on China. The word Gyá, in the language of Tibet, is equivalent to that of
Fan (alienes, barbaros) in the language of China; and, as rúng means, in the
former tongue, proper or special, Gyárúng signifies alien par excellence, a name of
peculiar usefulness in designating the whole of these Eastern borderers, in order
to discriminate them from the affined and approximate, but yet distinct, Bódpa of
Kham. Others affirm that Gyárúng means wild, rude, primitive Gyá, making
rúng the same as tóng in Myamma; and that the typical Gyás (Gyámi) are
the Chinese, though the latter be usually designated specially black Gyás
(Gyá-nak).

The Gyárúngs themselves have no general name for their country or people, a
very common case. When I submit the interesting itinerary I possess of a
journey from Káthmándú to Pekin, I shall more particularly notice the topo-
graphy of Sifán. At present it will be sufficient to add that this country, which
extends from the Blue Sea to Yúnmán, with a very unequal width, varying
from several days' march to only two or three, forms a rugged mountainous decli-
vity from the lofty plateau of Kham to the low plain of Szechuen, and which is
assimilated by those who well know both, to the Indian declivity of the Himá-
laya, the mountains being for the most part free from snow, and the climate
much more temperate than that of Tibet. Within this mountainous belt or barrier
of Sifán are the Tákpa, who are consequently Tibetans: without it are the
Gyámi, who are consequently Chinese, as will be seen by their respective vocabu-
laries—vocabularies, not the less valuable for being dialects merely (if no more)
of languages well known, because the dialectic differences of the Chinese and the

† I should add that Ritter's Gákpo and Gangpo, and Dákpo, are not three separate
places, but merely various utterances of the single word Tákpa, and no more admissible
therefore than his Katchó and Khór before explained. This great geographer is rather
too prone to give a "local habitation" to the airy nothings of the polyglottic re-
gion, as I have formerly had occasion to point out, though no one can more admire than
I do his immense learning and the talent that guides and animates it.
Tribes of Northern Tibet.

Tibetan tongues are little understood, at the same time that they are very important for enabling us to test the alleged distinctness of the great groups of people nearest allied to these divisions.

For my part I apprehend that the true characteristics of the Chinese and Tibetan languages have been a good deal obscured by bookmen, native and European; and, though it be somewhat premature to venture an opinion before I have completed my pending investigation of the Gyirming and Hörpa tongues, I still must say that I suspect few competent judges will rise from the attentive study of this and my two prior series of vocabularies, with out feeling a conviction that the Indo-Chinese, the Chinese, the Tibetans, and the Altaians, have been too broadly contra-distinguished, and that they form in fact but one great ethnic family, which moreover includes what are usually called the Tamulian or Dravidian and the Köl and Mùnda element\(^1\) of Indian population, as well as nearly every element of the population of Oceania.\(^2\)

* Hence Gyir philing, or Frankish stranger. European foreigner is the name for Europeans in Tibet. Philing = Frank, Indic Feringi, not as interpreted by M. Hué.

\(1\) Leyden reckoned ten Chinese tongues (As. Ru., X. 266). Others hold that there is but one. Again, Rémuat (Recherches sur les langues Tartares) insisted that there must be several tongues in Tibet, whereas Csoma de Koros (Journal No. 4) considers that there is but one. This comes in part of the want of a standard of ethnic unity, whether lingual or physical, and in part of the mixture of distinct races by regarding them under a large geographic and political unity, thus the Hôrsôk belong undoubtedly to Tibet, but do not belong to the Bôdpa race. I have given, I believe, all the languages of Tibet, that is, the languages of all the races now and long settled in Tibet. My Gyâmi vocabularies exhibit a vast difference from the Kong one of Leyden, ut supra. But I do not rely on mine, nor have I means to test it.

* A deal of Csoma's abundant grammatical apparatus of the Tibetan tongue is positively repudiated by the people of Tibet, whilst the learned and sage Rémuat teaches us to question the over-strained and unintelligible assertions about the monosyllabism of the Chinese tongue, as if there were no disyllables, no adjuncts to the roots! and as if the roots of Sanskrit, Hebrew, and Arabic were not monosyllables. For some valuable remarks on monosyllabism, see Recherches sur les langues Tartares, i. 351-4, and compare what occurs in the sequel as to the monosyllabic polysyllabism (different aspects of the case) of Gyirming and Tagala. Thus in Gyirming the root so becomes Maszangti by mere cumulation of particles, ma, za, za, ang, and ti.

\(2\) For some proofs of the reality of this element, see a paper on the Nilgirians in a recent number of the Asiatic Society. Adverting to recent denials, it may be worth while to give here a Himalayan sample of Dravirianism from the Kiranti language:—

\[
\begin{align*}
Wá \text{ popo, my} & \quad Wá gu, my \\
J'\text{popo, thy} & \quad I'\text{gu, thy} & \text{hand.} \\
A'\text{popo, his} & \quad A'\text{gu, his} \\
Pog-u, I & \quad Téub-u, I \\
Pog-t, thou & \quad Téub-t, thou & \text{strike.} \\
Pog-d, he & \quad Téub-d, he \\
\end{align*}
\]

Of that complex pronomenalization of the verb, for which the Hô and Sontál tongues are so remarkable, I shall shortly have to produce some still more perfect samples from the Central Himalaya. In the paper referred to, I have demonstrated the forthcomingness also of the Turkic, viz., Kuswar tongue which has conjunct contracted pronoun suffixed to noun and to verb, and Manchuric elements in the languages of Himālaya.

2 The elder oceanic element, or Alforian, = our Tamulian and the analogous dispersed and subdued tribes of the Himalaya, Indo-China, and China: the younger oceanic element, or Malayopolynesian, = the now dominant tribes of Indo-China, China, Tibet, and Himalaya. I must content myself, at present, with pointing to the special illustration of the latter part of this reunion of the continental and insular races in the sequel, though every proof of the wide common domain of the continentals is also an illustration, inferential, yet clear, of both parts of it.
My former vocabularies showed how intimately the Indo-Chinese tongues are allied with the Himalayan and Tibetan by identity of roots, of servile particles, and even of entire words, as the integral results of the combination of the two former, provided only that the comparison be drawn from a field large enough to exhibit the necessary range of admitted mutation, both in the primary and secondary parts of words, in use for ages among widely sundered, and often also extremely segregated, races. How large that range of admitted mutation is, I have illustrated by examples in the note appended to the present series of vocabularies, and I recommend those who would properly appreciate the great apparent deviations from a type of language, which is, as I suppose, one and the same, to take good heed of what is there instanced. In the meanwhile, without fatiguing the reader with more analyses at present, I proceed to remark that the analogies and affinities indicated by the last series of vocabularies between the Himalayan and Tibetan tongues on one hand, and the Indo-Chinese on the other, are carried on and confirmed by some of the present series, whilst others extend the links to the Altaic group of languages; the Gyâring, Tâkpa, and Manyak carrying the chain of connexion onwards from the south-east, and the Thôchû, Hôrpa, and Sokpa, transmitting it over the Kwanleun to the north and west; the Gyâring by its grammatical structure exhibiting also marvellous correspondencies with remoter regions; with Caucasus, as has been separately shown already, and with Oceania, as will appear in the sequel of this communication. How far precisely the other languages now submitted may participate these express and peculiar features of grammatical affinity, I am not yet prepared to say. But the whole of them certainly exhibit a great general resemblance in the broader traits of syntactic,* and yet a greater in those of etymological, construction. In a word, they are evidently members of that single and vast family of languages, the singleness and the vastness of which I conceive to be justly inferrible even from its vocabularies—1st, because of the similarity of the roots; 2nd, because of the similarity of servile; 3rd, because of the similar principles governing the uses and the mutations of both, and the consequent composition and the character of the integral words, which exhibit an essential identity in numberless terms of prime necessity, after due allowance for synonymous changes in their roots and for euphonic and differential changes in their serviles within known limits and upon a demonstrably single plan.

I infer that the differences characterizing this vast family of languages, however striking at first sight, are subordinate, because when the languages are examined upon a broad enough scale, these differences are seen to pass away by insensible gradations. Such as they are, they arise from—1st, a greater or lesser use of the pre-fixed, in-fixed, and post-fixed particles, amounting to nearly con-

* I may instance the universal substitution of continuative gerunds and participles in lieu of conjunctions and of conjunctive (relative) pronouns, because this feature has been supposed to be specially characteristic of the Altaic group. It is no more so than the vocalic harmony of Turki, or than the inverted style and tonic system of the Indo-Chinese tongues. These appear to me to be blending differences of degree only, not absolute differences of kind, and to have been used to sever unduly the several groups.
stant employment of some or all of them in some tongues, and to nearly total disuse of some or all of them in others; [The disuse or non-use is often only apparent, for the surplus “silent” letters are really pre-fixes, with a blended, instead of a separate utterance. That this is so may be proved to demonstration by identity of function (differential) in the two; and yet the blended or separate utterance makes all the difference between monosyllabism and its opposite, besides causing other differences that are apt to conceal the essential identity of words.] 2nd, from a preference by one tongue of the pre-fixes, of the in-fixes by another, and of the suffixes by a third; 3rd, from that transposed position and function of the primary and secondary part of words (root and particle), which is a law of these languages eminently obscurrative of identities in its partial operation; [compare ‘overleap’ and ‘leap over;’ what holds good chiefly as to our verbs, holds good equally as to the verbs and nouns of these tongues, wherein indeed the two classes of words are but faintly distinguishable, or not at all so. Abundant fresh evidence of the law may be found by comparing Leyden’s Indo-Chinese with my Tibeto-Himalayan vocabularies: compare minimum and sa-mi, Burmese, with mi-na, Newari, root mi; and ma-nak, Burmese, with nyi-ma, Tibetan, root nyi, ‘Day, sun, and morning,’ when compared, speak for themselves.] 4th, from the substitution of a reiterated root, for a root and particle in the composition of words, when the various meanings of the root might otherwise transcend the differencing power of the particles, or, at all events, not satisfy the demand for an unusually broad distinction; (in Gyáring, the root *pyé ‘bird,’ is so near to the root *pe ‘father,’ that they have been segregated by the application to one of the usual prefix, to the other of the iterative principle, or root repeated, whence *ta-pe ‘a father,’ and *pyé pyé ‘a bird,’ for san et *pe *pe. I might add, as a fifth cause of difference between these tongues, the different degrees in which each employs the tonic or accential variant, which principle has been most erroneously supposed to be exclusively Chinese and Indo-Chinese, whereas it prevails far and wide, only more or less developed; most where the servile particles and so-called silent letters are least in use; least, where they are most in use; so that the differential and equivalent function of all three peculiarities, that is, of “empty words” (see Chinese Grammar), of “silent letters,” and of tones, is placed in a clear light, such as Rému sat vainly strove to throw upon one of the three, viewing it separately.*] 5th, from the disjunct or conjunct (elided vowel) method of using the pre-fixed serviles, whence results at once all the difference of soft polysyllabism or harsh monosyllabism.

The resulting disparities of the vocables are certainly often very marked, as in the Wa-tú and U-i instance of Gyáring and Circassian, (so singularly confirmed by the Malay and Tagala *tú ‘that’) [I-tú, Wa-tú, and U-i are easily explained, and show how congruous all these tongues are at bottom. Few of them

* See Recherches sur les langues Tartares, p. 355-7, vol. i. Cosmas de Koros strangely enough says nothing about tones or servile particles, and hence his remarks on the silent letters want point and significance. The language of Nepal Proper is remarkable for its numerous tones and its scanty serviles, whether literal or syllabic.
TRIBES OF NORTHERN TIBET.

have any proper third pronoun, they use as equivalents the demonstratives, which are 1 and 9, or 1 or 10, or 1. 1, with or without the nasal ending, 1, 1, 1, is a synonym (Ti, 'ti Tibetan, Thi Burmese, etc.) constantly added to the near or far demonstrative, and repeating its vowel thus, 1-thi Burmese, 1-thi Hayu, 1-thi and 1-thi Khas, 1-thi Circassian, whose 1 is a mere combination of the two demonstratives, either of which is equal to the third personal. The 1 is prefixed or suffixed, in the sense of Latin e 1, to nouns, and thus we have ta-thi Lepcha and Tamil for a woman, ta-gri Lepcha and tandri Tamil, a man, and ta-thi Uraon, a son, etc., as samples of its prefixed use. Müller is, I think, wrong in citing the crude pa and ma as normal samples to be opposed to the Arian pa-ter and ma-ter. Few Turanian tongues use the crude forms, and many use the identical root and servile.] The case is similar with those given at the end of the present series of vocabularies, so that it is no great wonder that the Mongolidan or Turanian tongues have been referred to many groups so trenchantly separated as virtually to fall under different families. And, if I incline so strongly to unitise the family, it is only because, as far as my investigations have gone, I have been able to discern nothing absolute and invariable in the distinctions—which though no doubt distinctions proper to the vocables only, and not effecting structural diagnostics (in the usual narrow sense, for composition of words is structure), are yet unusually, and as I conceive decisively important, owing to the extremely inartificial character which belongs to the grammar of these tongues, with some apparently borrowed exceptions, such as that of the Turkish verbs. Not that the grammatical or the physical evidence of this assumed family identity conflicts with that of the vocables—much the contrary, as we shall soon see—but that the latter has unusual relative value. [I may mention here an interesting sample of this identity, derived from the substantive verb. It is da in Myanma, a-da in Malay, da in Nöarpa, galah in Tibetan, dau in Uraon, etc. So also it is mena in Santal and mna in Tibetan; and azuin, it is dong in Tibetan, dong in Bodo and Garo, du in Newari, dong and kam dong in Gyarung.] And, would we speak plainly, we should say that grammar relates equally to the construction of words and to the construction of sentences, and that the former sort of putting together, or syntax, is always equally, and often more, important than the latter. Certainly, it is more so in the Mongolidan tongues, which are as much distinguished by their immensity of nicely discriminated terms, most of them necessarily compounds—and compounds of no unskilful contrivance—as by the scantiness and simplicity of the contrivances by which those terms are held together in sentences. [See vocab. vocie 'give' and 'take.' A Tartar cannot endure that confusion of the precative, optative, and imperative, which our imperative mood exhibits. But he remedies the defect not by the multiplication of grammatical forms but by the use of distinct words or distinct modifications of the same word, thus Davo 'commands' and Davong 'solicits,' et sic do ceteris. Compare the disjunctive se, so common in these tongues. Davo means 'give him,' Davong 'give to me, by the annexed pronouns, and just so in Limbu 'fire and Nirang, and in Vayu Hato, and Hasing, Lepcha, and Newari, which eschew suffixed pronouns, have
TRIBES OF NORTHERN TIBET.

Bo and Bi, Byu and Ti, for the respective senses, the former modifying the one root, the other using two distinct roots. Observe the identity of byu, bo, bi and pi (of pi-re, pi-rung.) Nay, if we look carefully to what has been so well done in one's own day for the elucidation of our own language, we shall discern that the new lights have been principally etymological, borrowed from, as thrown upon, the construction and composition of words, not of sentences.

Perhaps it will be urged that, after all, the structural analogy I have established between the Gyárung and Circassian tongues belongs rather to the etymological than to the syntactic department of languages. Let it be granted, and I would then ask whether the analogy be therefore less important? And is it not singular and a proof wherein resides the essential genius and character of these tongues, and where therefore we are to seek for their true and closest relations, that my scanty knowledge of the Himalayan and Tibetan group of them should enable me unhesitatingly to analyse the words of the Caucasian group, of which I know nothing, and to pronounce, for instance, Di-di to be a re-duplicate root, and Dini to be a root and servile prefix, with perfect confidence, and, as I doubt not, with equal accuracy? That will, at all events, be known by and bye, and should the result be such as I look for, the consequent affinity of the Caucasian and Mongolian tongues will take an unquestionable shape and stand on the unassailable basis of words similarly constructed in all their parts and similarly employed throughout.

I must, however, whilst thus insisting on the pre-eminent importance of Mongolidan vocabularies, freely admit that those of all my present series are by no means entitled to equal confidence,* my access to the individuals who furnished the Sökpa and Gyámi words in particular having been deficient for such analytic dissection as I hold by, and the competence of my informants, moreover, not beyond question. I am likewise much in want of adequate original information respecting the Altaic group, and of the books that might supply it. Nevertheless, I think, I may safely affirm upon the strength of my vocabularies, that the Sökpo of the Tibetans are, as has been already assumed in this paper, no other than the Ölet and Kalmak of Rémuwat and Klapproth,+ whilst their confrères, the Hörpa, are almost evidently Turkish, the Turkish affinity of the latter being inferred, not only from the vocabularies, but from the complex structure of Hörpa verbs and from the quasi-

* Unfair use has been made of this admission. The vocabularies, such as they are, are exceedingly valuable, though perhaps without analysis incapable of supporting such a towering superstructure of theory as has been raised on them by their impugners.

† I might now add, having just laid my hand on M. Huc's book, the synonym of Turgot to those of Kalmak and Ölet, but that Turgot, like Dörlet, designates only a tribe of this race, and a tribe whose tribunal denomination, as well as its migration to the Volga and back to the Ili, had been already stated by Rémuwat. M. Huc's amusing work, in fact, adds nothing to our stores of accurate ethnological knowledge, his mere assertion, for instance, that the Hiiongna were Huns throwing no fresh light upon a long debated point, and the nullity of the absolute identity of names in reference to the Sog, teaching us yet more to doubt vaguer identifications of this sort. Let me add that M. Huc's account of the habits, manners and characters of the several peoples is capital, and most evidently, accurately, as vividly, delineated.
TRIBES OF NORTHERN TIBET.

Arian physiognomy of the samples I have seen of the Hörpa race.† And thus, quoad Sökö, is dissipated the dream of twenty years, during all which time I have been in vain endeavouring to get access to the Sökpo, assured from the identity of names (Sök pronounced Sog), that in the much talked-of people of Eastern Tibet, I should discover that famous race which gave their appellations to the Sogdiana and Sogdorum regio (or the Indus) of the classics, and whose identity with the Sace of Indian and Grecian story, whose genuine Arianism and resplendent renown I never permitted myself to doubt. Reverting to what I have better assurance of, I shall next note a fact as extraordinary almost as that which formed the subject of my last communication to the Society, to wit, that some of Humboldt's characteristics of the Malayo-Polynesian tongues hold good as to the Gyárung language even more strangely than Rosen's of the Circassian; so that we may have possibly, in the unsophisticated tongue of this primitive race of mountaineers, situated centrally between the Chinese, the Indo-Chinese, the Tibetans, and the Altaians, and protected from absorption, assimilation or conquest by their fastnesses, the main and middle link of that vast chain which unites the insular and continental nations of the East and the most dispersed scions of the immensely diffused family of the Mongolidæ*!! Those who are acquainted with the famous Kavi Sprache (known to me alas! only at second hand) will know what I mean, when I solicit their attention to the accompanying Gyärung vocabulary, as bearing on the face of it evidence, that in the Gyárung tongue almost all the words in their ordinary† state are disyllables, whilst I can assert positively from my own knowledge of the language, that the two syllables may be resolved into a monosyllabic root and its affix, or into a repeated monosyllabic root. Now these features (which by the way are very noticeable even in the small samples accessible to me of the Circassian tongue) Humboldt has denoted as special characteristics of the Malayo-Polynesian languages; and they are certainly most conspicuous attributes of the Gyárung tongue. Thus, in the first column of the Gyárung vocabularies, there are thirty-five words, whereof not less than thirty-one are disyllables and only four monosyllables, and the disyllables are all repeated monosyllables.

† Müller doubts, but the Tibetans cannot mistake, and with them Hör = Turk and Sök = Mongol. I have failed to get fresh access to these people, which I the more regret, inasmuch as the name Hör, even to the guttural h and to the omissible r, tallies exactly with the appellation given by themselves to the so-called Lerka tribe of Singhbum. See Tickell's narrative and vocabulary. I have elsewhere pointed out the Turkic affinity of one Himalayan tribe (Kuswär) and the Manchuric of another (Váyu or Haiy). See paper on the Nilgirians. (J.A.S.B.) Tibet has been absurdly isolated by philologers and geographers. The northern half of it actually belongs rather to the Altaic than to the Bólpa tribes, and hence is called by the latter Höryeul and Sökyeul. I am indebted to the Mudas for the knowledge that Hō is pronounced Khō and Khōr, just as it is to the North.

* It may reconcile some of my readers to this startling announcement to hear that there are historical or traditional grounds for supposing this very region to be the common nest and original seat of the Chinese and Tibetan races. See Klaproth's Tabl. Histor., and Mémoires relatifs à l'Asie, and Rémuza's Recherches sur les langues Tartares.

† I say ordinary state, because, when all the apparatus of composition attaches, they become polysyllabic. See the sequel, and mark the consequence as to the monosyllabic test.
TRIBES OF NORTHERN TIBET.

solvable into a monosyllabic root and its customary pre-fix (Ta, mutable into Ka,) save those (Pyépyé, Nyéné) that are formed by re-duplication of the radical. That Pyé 'bird,' and Nyé 'cow,' are roots, any one may prove for himself by turning to their Tibetan and Chinese equivalents; and that in the Gyärung tongue the root is in these instances repeated to constitute the current term or integral word is self-apparent. That, again, in Gyärung, Ta is the common and almost indispensable prefix, and is mutable into Ka, both liable to euphonic changes of the vowel, to suit that of the radical, the vocabulary also demonstrates, testably to any extent by its predecessors of the allied tongues. And if it be urged, as in truth it may be, that the above constitution of the vocables belongs in essence to all the continental tongues, as Humboldt's sagacity divined it did to all the insular ones, the more frequent use of the prefix and consequent disyllabism being all that is exclusively Gyärung, I have still to produce another Gyärung trait, which it shares with what has been deemed the most primitive Malayo-Polynesian type; and I shall do so by the following quotation from* Leyden:—"Few languages present a greater appearance of originality than the Ta-gala. Though a multitude of its terms agree precisely with those of the languages just enumerated (the Western Polynesian), yet the simple terms are so metamorphosed by a variety of the most simple contrivances, that it becomes impossible (difficult—B.H.H.) for a person who understands all the original words in a sentence to recognize them individually, or to comprehend the meaning of the whole. The artifices which it employs are chiefly the pre-fixing or post-fixing (or in-fixing—B.H.H.) to the simple vocables (roots) of certain particles (serviles) which are again combined with others; and the complete or partial repetition of terms in this re-duplication may be again combined with other particles." The above, as well as what follows (pp. 211-12) upon Ta-gala verbs,* is in general remarkably coincident with Gyärung, the differences being such only as, when compared with other allied tongues, to show that the characteristics, however pre-eminently, are by no means exclusively, Gyärung among the continental tongues, any more than they are exclusively Ta-gala among the insular ones. [Here are some samples as significant as Leyden's illustrations of the Ta-gala verbs. From the root Ching, 'to go,' we have almost indifferently Yaching, Kaching, Daching, Naching, in a present sense, and Yataching, Katakaing, Datakaing, Nataching, Nataching, in a past sense, with some speciality of sense as to the na and ta pre-fix that need here be particularized. Next we have Yatachinti, Katakainti, Datachinti, Tatachinti, Natachinti, meaning, 'one who goes or went, or the goer,' if one's self; and, if any other, then the series becomes Yatachinti, Katakchinti, etc. The negatives are Matachinti vel Matachinti, according to the person, the particle of negation displacing the first of the pre-fixes indifferently. So from Máng, 'to sleep,' Caramáng, Marmáng, Tatarmáng, Mataarmángi, Tatarméti, Mataarméti, 'I sleep, I sleep not, I slept, I who slept not, thou who sleepest, he who slept not,' or 'the sleepless,'

TRIBES OF NORTHERN TIBET.

(Other than one's self). From Zo, 'eat,' Tansao 'feed,' Tasazangti, 'I who feed,' Tarsbzn, 'he who feeds,' Masazangti, 'I who feed not.' Of these I give the analysis of the last as a sample, Ma, negative pre-fix—Sa, causative in-fix. Zang, 'I eat,' from the root Zd with suffixed pronoun. Ti mutable with Si, the participial attributive suffix. These are the simplest verbal forms and the most usual, whence the prevalent disyllabic character of the verbs, as of the nouns, as seen in the vocabulary, consisting of a root and one pre-fix. But the vocabulary, whilst it demonstrates this, indicates also the more complex forms, put rather too prominently forward by Leyden in his Ta-gala samples. Thus, in our Gyárung vocabulary, the words, cry, laugh, be silent, run, or four out of twenty-four verbs, instead of a single pre-fix, have a double and even a treble supply in the simple imperative form there used; as Da-ka-krú from the root Krú: Kana-re from the root Ré; Na-ka-chám from the root Chám; Da-na-ra-gyúk from the root Gyúk. Hence compounding as before, we have from the last cited simple term, Danarasagyúk, 'cause to run'; Mada narasagyúk, 'do not cause to run'; Danarasagyúngtì 'I who cause to run'; Manarasagyúgdtì or Madanara-sagyúgdtì, 'he who does not cause to run.' I believe also that the reiterative form Maturmdng is quite as usual as the substitutive form Marmáng, and Mutasazangti for Matasazangti, as Masazangti, time and tense notwithstanding. Repetition and other changes above illustrated in the pre-fixes belong much less to the roots, infixes and suffixes, whether in verbs or nouns, and when the root is repeated, the suffix is commonly dropt, as has been explained as to substantive. But there are instances in the verbs of root repeated and yet pre-fix retained, though the vocabulary affords none such as its Kalarlar, 'round,' which is a root repeated yet retaining its pre-fix; whilst the adjectives of the vocabulary, unlike the substantives, also afford several instances of the doubly and trebly reiterated pre-fix, as Kamgnár, 'sweet,' Ka-ma-gnár from the root gnár, and Kavándro, 'cold,' Ka-va-na-dro from the root dro. The elided forms, however, and particularly Kamgnár, show that leaning towards disyllabism, which has been dwelt on, perhaps, too strongly, though it assuredly be a most marked feature of this tongue, and one too which Leyden's mistake as to his own sample verb shows to be preeminently proper to Ta-gala; for "toleg, to sleep," is not the radical form of the word, as he assumes, but a compound of the root and its customary pre-fix, ta, with the vowel harmonised to that of the root. The pre-fixes are the great variants, and besides being so much repeated, they can be transposed and interchanged almost at pleasure, owing to their synonymous character, and these variations of the pre-fixes, with the elisions consequent on much reiteration of them, constitute the greatest part of that enigma which Leyden emphasizes; though it be in the actual use of the speech much less excessive (I still speak of Gyárung) than his sample would lead any one to suppose. In the above samples of Gyárung I have given the verbs alone, without the added pronouns of Leydens' Ta-galan instances—such additional complication being rather suited to create wonderment than to promote sound knowledge.] Humboldt considers that the Ta-gala (a specimen by the way of
TRIBES OF NORTHERN TIBET.

the inseparable pre-fix) preserves the primitive type of the whole group; and that that type is revealed in the Gyárung I am inclined to assert, without however forgetting that my investigation is far from complete, and without insisting so much upon the primitiveness of this type as upon its much more interesting feature of a connecting bond between the so-called monosyllabic aptotic and the so-called polysyllabic* non-aptotic classes—classes which appear to me to have no very deep or solid foundation, much as they have been insisted on to the obscuration of the higher branches of philology and ethnology, rather than to their illustration (as I venture to think), and but for which obscuration our Leydens and our Joomes, our Boppa and our Humboldts, could never have been found at such extreme apparent diversity of opinion. I may add, with reference to the disputed primitiveness of Ta-gala, owing to its use of the “artifices” above cited, that throughout the Himalaya and Tibet it is precisely the rudest or most primitive tongues that are distinguished by useless intricacies, such as the interminable pronouns, and all the perplexity caused by conjugation by means of them, with their duals and plurals, and inclusive and exclusive forms of the first person of both. In this way, Kiranti,* for instance, has thirty-three personal forms for each tense; and, as many tense-forms as there are thus constituted, so many are there of the gerunds and of the participles—a Manchuric trait of great interest. The more advanced tribes, whether of the continent or of the islands, have, generally speaking, long since cast away all or most of these “artifices.”

I have thus, in the present and two former communications, shown what a strange conformity in the essential components of their speech still unites the long and widely sundered races inhabiting now the Himalaya, Tibet, Indo-China, Sifán, Altaia, Caucasus and Oceanica; and, as a no less strange conformity of physical conformation, unites (with one alleged exception) these races, it cannot much longer be doubted that they all belong to one ethnic family, whose physical attributes it shall next be my business to help the illustration of by describing the heretofore unknown people, whose languages have been submitted to inspection and examination. Before, however, I turn to the physical characteristics, I must add that all the languages, whose vocables are herewith submitted to the Society, are, and always have been, devoid of letters and of literature; what

*Compare the monosyllabic roots and disyllabic simple vocables of Gyárung with the sesquipedalians just given. The comparison is pregnant with hints, especially as there are in the cognate tongues all grades of approximation. Thus, *Kuauad, “langh,” in Gyárung, with its double pre-fix, is *Yeré in Limbu with one, and *Ré in Magar without any; and thus *Thëng, “air,” in Lepcha, with its pre-fix and suffix, is *Tali in Gyárung, with pre-fix only, and *Li or *Lé in Burmese, without either. Innumerable instances like this make me conclude that the Gyårung differs only in degree, not in kind, notwithstanding that its verb, like that of the Ta-gala, certainly presents an extraordinary and seemingly unique spectacle in some aspects, but not in all; for, in the sentence *tik-koré papun, “he called them to feast,” though the root *ta, “to eat,” be repeated, and each time with a differently vowelled servile attached; yet the combination is not grotesque, nor the root smothered.

*See a memoir on this tongue and another on the Hán rel Ván tongue in the forthcoming Nos. of the Benel Académie Society’s Journal. Printed in 1857 very incorrectly. Corrected copies sent to Pott, Lassen, Schelmer, etc.)
TRIBES OF NORTHERN TIBET.

writing there is among these races being confined to the Tibet-trained monks, whose religious ministry they all accept, and who (the monks) use the Tibetan system of writing applied solely to the Tibetan language, and never to that of their flocks, the several races now in question, or any of them.

I cannot learn that in Tibet the Sokpo or the Horpa ever employ any system of writing of their own, though I need not add (assuming their identification to be just) that the Mongols and the Eastern Turks have each their own system quite distinct from the Tibetan. Having always considered the physical evidence* of race quite as important as the lingual, and the one as the true complement of the other, I have not failed to use the opportunity of access to the people whose vocables are now submitted in order to note their physical traits.

The following are the chief results of that investigation:—

<table>
<thead>
<tr>
<th></th>
<th>Amdoan. 1.</th>
<th>Horpa. II</th>
<th>Gyaring. III</th>
<th>Mangya. IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height without shoes</td>
<td>5.8½</td>
<td>5.7½</td>
<td>5.30</td>
<td>5.40</td>
</tr>
<tr>
<td>Length of head, from crown to chin (with calipers)</td>
<td>0.8½</td>
<td>0.8½</td>
<td>0.9.0</td>
<td>0.9½</td>
</tr>
<tr>
<td>Girth of head</td>
<td>1.10.0</td>
<td>1.9½</td>
<td>1.10½</td>
<td>1.10½</td>
</tr>
<tr>
<td>Length of head, fore and aft, or forehead to occiput</td>
<td>0.7½</td>
<td>0.7½</td>
<td>0.8.0</td>
<td>0.8.0</td>
</tr>
<tr>
<td>Width of head, between parietae</td>
<td>0.6½</td>
<td>0.6.0</td>
<td>0.6½</td>
<td>0.6½</td>
</tr>
<tr>
<td>Crown of head to hip</td>
<td>2.4½</td>
<td>2.4.0</td>
<td>2.3½</td>
<td>2.3.0</td>
</tr>
<tr>
<td>Hip to heel</td>
<td>3.3½</td>
<td>3.3½</td>
<td>2.11½</td>
<td>3.1.0</td>
</tr>
<tr>
<td>Width between the shoulders</td>
<td>1.4.0</td>
<td>1.1.0</td>
<td>1.1½</td>
<td>1.4.0</td>
</tr>
<tr>
<td>Girth of chest</td>
<td>3.1.0</td>
<td>2.9.0</td>
<td>2.11½</td>
<td>2.11½</td>
</tr>
<tr>
<td>Length of arm and hand</td>
<td>2.6½</td>
<td>2.6.0</td>
<td>2.4½</td>
<td>2.4.0</td>
</tr>
<tr>
<td>Ditto of arm</td>
<td>1.0.0</td>
<td>1.0.0</td>
<td>0.11½</td>
<td>0.11½</td>
</tr>
<tr>
<td>Ditto of fore-arm</td>
<td>0.11.0</td>
<td>0.10.0</td>
<td>0.9½</td>
<td>0.9.3</td>
</tr>
<tr>
<td>Ditto of hand</td>
<td>0.8.0</td>
<td>0.7½</td>
<td>0.7½</td>
<td>0.7½</td>
</tr>
<tr>
<td>Ditto of thigh</td>
<td>1.8.0</td>
<td>1.7.0</td>
<td>1.6½</td>
<td>1.7.0</td>
</tr>
<tr>
<td>Ditto of leg to ankle</td>
<td>1.4½</td>
<td>1.5.0</td>
<td>1.3.0</td>
<td>1.5.0</td>
</tr>
<tr>
<td>Ditto of foot</td>
<td>0.11.0</td>
<td>0.10.0</td>
<td>0.9½</td>
<td>0.9½</td>
</tr>
<tr>
<td>Width of hand</td>
<td>0.4½</td>
<td>0.4½</td>
<td>0.4.0</td>
<td>0.4.0</td>
</tr>
<tr>
<td>Ditto of foot</td>
<td>0.4½</td>
<td>0.4½</td>
<td>0.4.0</td>
<td>0.4.0</td>
</tr>
<tr>
<td>Girth of thigh</td>
<td>1.9.0</td>
<td>1.4½</td>
<td>1.6½</td>
<td>1.7½</td>
</tr>
<tr>
<td>Ditto of calf</td>
<td>1.3½</td>
<td>1.4½</td>
<td>1.2.0</td>
<td>1.1½</td>
</tr>
<tr>
<td>Ditto of fore-arm</td>
<td>0.11.0</td>
<td>0.9½</td>
<td>0.10.0</td>
<td>0.9½</td>
</tr>
</tbody>
</table>

No. 1.—A native of Amdo, aged thirty-five years, a finely formed and very strong man, capable of carrying three mounds or 260 pounds over these mountains, which he has done several times, in order to turn a penny during his so-

*Some attempts have recently been made (see last vol. of Brit. Assoc. and Journal of Roy. As. Soc.) to disparage the value of this evidence. But no one well acquainted with the Tartars in various remote locations could for a moment think of so doing. I refer with confidence to Dr. Buchanan’s remarks on the subject in vol. V. As. Res.
TRIBES OF NORTHERN TIBET.

journ here, though the lax state of his muscles shows that he is usually an idler, and not now in training for such work, nor much used to it.

A Gelting or monk of the mendicant class, and of course a shaveling, so that his head has been examined with unusual advantage. Five feet eight and a half inches tall, and more than proportionably broad or bulky, with large bones and ample muscle, not however showing any bold development, the surface on the contrary being smooth and even, like the body of an idler; nor fat at all, but well fleshed. Colour of the skin, a very pale clear brown, of isabelline hue, like dry earth, or dirty linen, or unbleached paper; not yellow, nor ruddy at all. No trace of red on the cheeks, which are moderately full. Colour of eyes, dark brown; of hair, generally, black, but that of moustache, auburn. No hair on chest, nor on legs or arms. Moustache spare. No beard nor whisker. Hair of head, so far as traceable, abundant, strong and straight. Cranium not compressed nor depressed; not raised pyramidal, yet brachycephalic rather than dolichocephalic, and the occiput truncated or flush with the thick neck, but not flattened. Vertical view of the head, ovoid not oval, widest between the ears, and thence narrowing equally to the forehead and to the occiput. Facial angle good. Profile inconspicuous. Contour of the face (front view) rather ovoid than angular or lozenge-shaped, the cheek-bones having no conspicuous lateral saliency nor the forehead and chin any noticeable attenuation. Forehead sufficiently high and broad, and not appearing otherwise from any unusual projection of the orbitar periphery or of the zygomatica. Eyes sufficiently large and not noticeably oblique, but remote from each other, and flush with the cheek and the upper lid, drooping and constricted to the inner canthus, which is large and tumid. Nose, good, straight; the bridge well raised between the eyes and the terminal part, nor spread nor thickened, though the nostrils be shorter and rounder than in Europeans, and the saliency of the whole organ less than in them. Ears large and standing out from the head, but occupying the usual relative position. Mouth good, but large, with fine vertical teeth, not showing the least symptom of prognathism in the jaws. Very full lips, but not gaping, nor at all Negro-like in their tumidity. Chin not retreating, nor yet roundly salient, but level with the gums, or in the same plane with the teeth, and square and strong, as well as the jaws, which afford ample room, in front for an uncrowded set of beautiful teeth. Body well-proportioned, but somewhat long (as well as massive and square) in the trunk and in the arms, relatively to the legs. Hands and feet well made and large, but rather as to breadth than length. Head well set on the short thick neck, and shoulders high. Chest, splendid, wide and deep, and general form good. Expression Mongolian, (but not at all markedly so as to features,) and calm and placidly good-natured. Ears bored, but not distended; and tattooing or other disfigurement of the skin quite unknown to all these races, as I may say once for all.

No. II.--A Hörpa of Tango, west of Gyâring, towards Amdö, named Isaba. Age thirty-eight years. A man of good height (five feet seven and a half inches)
and figure, but far less powerful than the Amdóan, and somewhat darker in
colour. Spare of flesh, but not actually meagre. Colour, a pale brown, without
yellow or red, like all the Himalayans and Tibetans, and the eye, of a dark
clear brown, as usual with them. No trace of ruddiness on cheek. Hair of
the head, moustache and whisker, pure black. Hair of head, long, straight,
strong, abundant. Moustache small and feeble. Whisker rather ample. No
beard, nor a trace of hair on the chest, back or limbs. Head longer (fore and
aft) than wide, but scarcely dolichocephalic, though not truncated occipitally,
nor compressed, nor depressed, nor pyramidised. Vertical view, oval, the wider
end being the postcral or occipital, and being wider there than between the ears.
Facial angle, good. Contour of the face long and oval, without any trace of the
lozenge breadth and angularity. Forehead, narrow and rather low, but not re-
tiring. Cheek bones not salient laterally nor the frontal sinuses or orbits pro-
minent. Ears large and loose. Eyes of good size, remote, but not noticeably
oblique, though the inner angle be tumid with the usual constriction thereto
of the upper lid, which somewhat narrows the parting of the lids. Nose straight,
not very salient, yet well raised between the eyes, and not dilated towards the
tip, and the nares elliptic and long, but the bridge nevertheless broad and ob-
tusely rounded. Mouth good, but large and prominent from the fullness of the
lips,* which, however, are not gaping nor are the teeth at all prognathously
inclined, well made and vertically set, but not sound. Chin not pointed, nor
heavy, nor retiring, nor jaws unduly large and angular; whence, with the non-
saliency of the zygomata, the face takes a good and Arian contour. Figure good,
almost elegant, but the arms rather long, and the legs rather short in comparison
of the European form. Hands and feet well made and well proportioned. Hair
plaited into a tail, *de Chinoisée. Ears bored, but not dilated, and furnished
with small ear-rings. Expression pleasing, and cast of features but faintly
Mongolian.

No. III.—A Gyárung of Tazar, north of Tachindo, by name Máaching, and by
age thirty-three years. Height five feet three inches, or much shorter than
either of the above. A well-made smallish man. Bony and muscular develop-
ment moderate, especially the former. In moderate flesh, but thigh and calf very
fine; arms much less so. Arms longish. Legs shortish. Colour of skin, a pale
earthy brown or isabelline hue, without the least mixture of yellow or of red;
like Chinese, but deeper toned. No ruddiness on the spare cheeks. Eye dark
hazel. Colour of hair in all parts uniformly black; long, straight, abundant,
strong, on head; spare on upper lip; none on chin, nor on body, nor on limbs.
Cranium large, nor compressed, nor depressed, nor pyramidally raised towards
the crown, though there be a semblance of that sort from the width of the zygomata
(but this feature belongs to the face). Occiput not truncated postcrally. Fronto-
occipital axis the longer and vertical view oval with the wide end backwards.

*It is not so much the fullness of the lips as a certain thickening of the gums,
particularly those of the upper incisive or front teeth common to Cis-
and Trans-
Himalayans.
TRIBES OF NORTHERN TIBET.

the occiput being conspicuously wider than the frontal region, or than the parietal, and the maximum occipital breadth lessening regularly forwards to the forehead. Facial angle good, with a vertical, but inconspicuous profile. Contour of the face (front view) lozenge-shaped, widest between the cheek-bones, which project much laterally, and are flattened to the front, causing great breadth of face just below the eyes, whence there is a regular narrowing upwards and downwards. Forehead sufficiently high and not retiring, but narrowed apparently upwards, owing to the salient zygoma and molars. Frontal sinus not salient. Eye smallish and not well opened nor hollowed out from the cheek, and upper lid drooping and drawn to the inner, inclined and tumbled canthus. Eyes wide apart and oblique. Nose long, straight, thick, with a broad base between the eyes, where, however, the bridge is not flat, but raised into a wide low arch. Width great there, and spreading into an expanded fleshy termination, with broad also and large round nostrils. Mouth large and salient, yet good. Lips moderate and closed, and teeth vertically set, and very fine in shape and colour. Chin pretty good, not retiring, nor yet projecting, flush with the teeth and somewhat squared, as also the large jaws. Ears long and loose. Figure good, with head well set on; neck sufficiently long; chest deep and wide, and well made hands and feet. Hair worn plaited into a pig tail. Ears bored, but declaredly contrary to the custom of his country, and not distended. A very Chinese face and figure, and belonging to one who has, in his character, a deal of the shrewdness tending to knavery that marks the Chinaman.

No. IV.—The Mánysaker is forty years old, and bears the euphonious name of I'drophüncho. He is a native of Rakho, six days south of Tachindo, and by profession a Gelüng or mendicant friar; and a cross made ugly fellow he is, as one could wish to see, with round shoulders and short neck, but stout and good-tempered exceedingly; and moreover, accomplished in reading, writing, drawing and carving, like most of the regular troops of Lámaism to which corps he belongs, though to the heterodox branch of it, or Bonpa sect, called by him Beunpo or Peunpo, and which he has enabled me to say is no other than Tántrika Buddhism, or what is commonly called Shamanism.* This very interesting and important discovery I therefore make no apology for inserting here, in saying that Shamanism is nothing but Tántrika Buddhism, I speak most advisedly, and fully aware of the opinions I oppose. That the Bonpas also are Buddhists, there can be no doubt, and my friend I'dro's statements and drawings show that his sect follow the Gyüt or Tántras, which, though canonical, are in bad odour, and have been so since the Gelukpa reform. A Bonpa and a Moslem are alike odious to the orthodox in Tibet, though the Bonpas have many Vihras of high name and date all over the country. Since this was written, I have found some interesting traces of the existence of the Bonpa sect in the Himalaya, where the Mûrmi tribe for instance still call their exorcist Bonpa. The probable general solution is, that both the Brahmanists and the Buddhists, of all the various divisions of those creeds, adopted largely into their systems the prior superstitions of the country, whence in Java, in Nepál, in Ava, as in India, Buddhist and Brahmanical remains exhibit so much of a common character, sometimes wearing the aspect of Vaishnavism, more commonly than of Saivaism. Compare my remarks on the subject (apud volume on the Buddhism of Nepál) with Leyden's Fahian and Yule on the Remains of Pagan (apud A. S. J. B.) Yule describes exactly the Padmapani, Manjusri, etc., of Nepál, and I have myself found them at Karnagurh on the Ganges.
TRIBES OF NORTHERN TIBET.

though it be somewhat out of place; and as I am digressing, I may as well add that to confound the Lamas with the Gélungs as Huc and Gabet invariably do, is a worse error than it would be to confound the Brahmans with the Pandits in India. To return to my friend Idro, whose shaven head has afforded me a second excellent opportunity for closely examining the cranial characters of these races, I proceed to note that he is a man of moderate height (five feet four inches), but strongly made, with large bones and plenty of muscle, but no fat. Colour, a pale whitely pure brown. No trace of red in the spare cheeks, winter though it be. Eye, dark rich brown, and hair throughout unmixed and pure black. Like the others, he has none of the Esau characteristic, but on the contrary is, as usual, scant of hair, having not a trace of it on the body or limbs, and not much on the face. No beard. No whisker. A very wretched lean moustache, and a spare straight eyebrow. Cranium brachycephalic and large. Vertical view of the head ovoid not oval, widest between the ears, as in the Amdén. Thence regularly and equally narrowed to the frontal and occipital extremities. No compression, nor depression of the cranium, but on the contrary a distinct pyramidal ascension from a broad base, the point of cranial radiation being somewhat conically raised from the interaural and widest part of the skull. Occiput truncate and flattened, that is, not projecting beyond the neck, nor rounded posteslly, like most heads. Facial angle pretty good, but rather deficient in verticality of profile. Contour of the face lozenge shape owing to the large laterally salient cheek bones, though the forehead be not very noticeably narrowed (except with reference to its bulging base), nor the chin pointed. Forehead sufficiently good, high but some what compressed and retiring, and appearing more so by reason of the heavy frontal sinuses and zygoma, which project beyond the temples towards the sides and front. Ears big and salient. Eyes remote and oblique, with the inner angle down and tumid, and the upper lid drooping and drawn to the inner canthus. Nose rather short, straight, not level with the eyes, nor yet much raised to separate them, nor elsewhere. Not clubbed at the end, but the size spreading, and the nares large and round. Mouth large and forward, with very thick lips, but no prognathism, the teeth being vertical and the lips not gaping so as to expose them. Teeth well formed and well set in an obtusely convex large arch, those of the upper jaw, however, overhanging those of the lower. Chin rather retiring, or flat and square. The partial retirement of the chin and large frontal sinuses are what mar the verticality of the profile, which moreover shows little of nasal and much of oral projection. Figure bad, with thick goitrous neck, high forward shoulders, and somewhat bowed legs. Hands and feet well made. Muscular development of arms poor, of legs good. A thoroughly Mongolian face, but the ugliness in part redeemed by the good-natured, placid, yet somewhat dull, expression.

Note. — The orthography of the comparative vocabulary is in general that sanctioned by the Asiatic Society of Bengal, but there are a few deviations necessitated by the peculiar articulation of these races, whose gallie j and u are of incessant recurrence. I have represented the former sound by sj and the latter.
TRIBES OF NORTHERN TIBET.

by eu. Both sounds are found in the French word jeu. The system of tones or accents, so important for discriminating the many otherwise-identical roots in these tongues, there is no practicable method of doing justice to. But I have marked the chief one, or abrupt final, \( \ddot{y} \) an underscored h, thus \( \dot{h} \). In Thôchû and in Horpa, the \( h, hh \), and \( gh \), have often, nay generally, a harsh Arabic utterance. I use the short vague English a and e, as in cat, get, for their common equivalents in these tongues, but \( w \) has always the oo sound, whether short or long. It so occurs in English though rarely, as in put, pudding. The continental (European) and Eastern system of the vowels is that pursued, and the long sound of each is noted by accent superscribed. But there is a great evil attendant on this Jonesian use of accent as marking quantity; for the Tartar accent denotes the radical syllable or syllables, irrespective altogether of the long or short sound of vowels. I cannot, however, at present, remedy this evil, though hereafter I shall use the accent to denote roots putting it over the end of the radical syllable, whether ending in vowel or consonant. Quoad vowels, mine is the common vocalic system, the Northern being wholly beside the mark. \( y \) is always a consonant. It blends with many others to give them a sliding sound as in the \( zy \), above instanced. It gives \( S \) the sound of \( Sh \), as in the Syân (Shan) tribe's name. It must never be made a vowel, a langue, for that makes mono-syllables dissyllabic, and totally changes the proper sounds of words. The same as to \( w \), which we English are however more familiar with. From \( d \), I make the diphthong \( ai \); from \( o \) that of \( au \); from \( e \) that of \( oe \), sounded as in ey, i.e., in aye aye, haveinch, how; which, with the gallic \( eu \) (beurre), are invariably diphthongs, each with a single blended sound. If two vowels come together and require separate utterance, the latter is superscribed with two dots, \( \ddot{a} \). I have marked off the prefixes (\( tir-mi \), 'man,' see Gyrirng column) to facilitate access to the root and comparison on a large scale, such as that lately employed to illustrate ethnic affinities. This and the like marking off of the suffixes will be a great aid to those who wish to make such comparisons without knowledge of these languages. But the procedure is hardly correct, since the root and its prefix in particular are apt to be blended in utterance by transfer of the accent (\( mi, \dot{m}i \)), and since the sense also of the roots is occasionally as dependant (though in a different way) on that of their prefixes, as it is in regard to the prepositions of the Aryan tongues (\( tir-mi \), 'man': \( ti-mi \), 'fire'). Nevertheless these important particles are liable to a large range of mutations, synonymous as well as differential, merely euphonic, as well as essential, whilst some of the tongues use them very amply, and others very rarely. Add to these features the infixes and the suffixes, with the occasional change of place and function between all the, and you have before you the causes of the differences of these languages, which are often so operative as to merge their essential affinity and make it indiscernible, except by those who, knowing the roots, can pursue them and the servile portions of the vocabularies through their various metamorphoses and transpositions.

* Compare in Tibeto-Himalayan and Indo-Chinese series, as follows:—

**Day.**—\( Nyi'-ma, Ma'-ni', Ny'e'-ni, Nhi'-ti-ma, Sak'-ni' \). Root \( Nyi \).

**Eye.**—\( A'-ni, Mi-do, Mi-kha, Ta-i-myek, Nyi-tsi \). Root \( Mi \).

**Dog.**—\( Khi'-ma, Ko-chu, Ché-ma, Khé, Ta-kwe, Ka-zeu \). Root \( Khyi \).

**Ripe.**—\( Kas-ma, Mhái-ti, Minh, Min-bo \). Root \( Smi \).

**Sour.**—\( Kuch-chir, Kyîr-bo, Da-chu ' \). Root \( kKyîr \).

**Hear.**—\( Khep-chê, Nap-sy, Ta-chi-n \). Root \( Sî \).

These are extreme cases, perhaps, of mutation; but they are therefore all the better adapted to illustrate my meaning; and links enough will be found in the vocabularies to bind them surely together.
6. ON THE COLONIZATION OF THE HIMALAYA BY EUROPEANS.

As the interesting subject of the fitness of the Himalaya for European colonization is beginning to excite the attention of individuals and of the Government, it may be worth while to state distinctly my own conviction on the subject, together with the chief grounds of that conviction, because I have resided some thirty years in the Central and Eastern parts of the range, and have also served awhile in the Western, and all that time my attention has been directed to studies calculated to make my observation and experience more effective.

I say, then, unhesitatingly, that the Himalaya generally is very well calculated for the settlement of Europeans, and I feel more and more convinced that the encouragement of colonization therein is one of the highest and most important duties of the Government.

In the long, and throughout the globe quite unparalleled, gradation of heights, from the plains to the snows, every variety of climate is found with correspondent capabilities for the successful culture of various products suited to the wants of Europeans, for their own consumption or for profitable sale; and in this extraordinary gradation of heights, the high and the low are juxtaposed in a manner alike favourable to the labours of the healthful and to the relief of the ailing.

A healthy cultivator of our race could have his dwelling at four to six thousand feet, and his farms, both there and at various higher and lower elevations, yet still close to his abode; so that quasi-tropical and quasi-European products might be raised by him with the greatest facility; and in defect of health and strength, the colonist, like the visitor, would enjoy the vast advantage of entirely changing his climate without cost or fatigue of journey, besides having the additional resource of easy access to medicinal waters of universal diffusion and of proved efficacy in many kinds of ailments. The greatest variety of climate has of course relation to the transverse section of the Himalaya, or that from plains to snows; but the longitudinal section, or the S. E. and N. W. one, likewise presents as much and the same variety of climate as is proper to the plains in Bengal, Benâres, and the north-western provinces; and it is quite a mistake to allege of the South-East Himalayas, or of Bengal, that their climate differs only for the worse from the drier climate of the hills or plains further west and north.

* Written in 1856.
COLONIZATION OF THE HIMALAYA.

Undoubtedly, the South-East Himalaya has much less sun and much more moisture* than the North-West Himalaya. But those Europeans, who have experienced the effects of the climate of both, frequently prefer that of the former, and it is quite certain that, in the past twenty years, the South-East Himalaya has suffered much less from epidemics, and has also enjoyed a complete exemption from those severe dysenteries and fevers which have afflicted the denizens of the North-West Himalaya. It is as certain that the obscured sun of the South-East Himalaya is the cause of the difference; and that, though our clouds and mists may hurt our popular reputation with strangers, they are welcome to ourselves from their experienced and admitted beneficialness. Cloudy and misty as is our climate for five to six months, rheumatism and pulmonary affections are unknown. That the Himalayas, generally speaking is a region eminently healthful, can be doubted by no competent judge, and is demonstrable at once, and readily, by pointing to the finely developed muscles, pure skins, cheerful countenances, and universally well-formed strong-boned bodies of the native inhabitants, whose health and strength, and capacity of enduring toil and carrying heavy burdens, are as notorious, as are their exemption from bodily malformations and from most of the direst diseases to which flesh is heir, as well in the tropics as in the high latitudes of Europe—results owing to the preëminent equability and temperateness of the climate,† added to the simple active habits of the people.

The fearful epidemics of the plains seldom penetrate the Himalayas, which, moreover, seem to have a positive exemption from endemic diseases, or those proper to any given country. For forty years cholera has ravaged the plains continually almost. But in all that period Népál has been visited only twice and Darjeeling scarcely at all. In the same forty years at Káthmandú, only two deaths (Mr. Stuart and Lieutenant Young) have occurred among Europeans, and both those were occasioned by diseases wholly apart from local influences; and in the escort of the Resident, the salubrity in my time was so great, that promotion came hardly to be calculated on at all, and a Sepahee would be a Sepahee still, after fifteen to twenty years' service.‡

The Civil medical statistics of Népál, as of Darjeeling, have always told the same story; and if the Military statistics of the latter place have been, till lately, 

* The fall of rain is no accurate test of mean moisture, but the following facts have their value. — Mean annual fall of rain at Darjeeling 130 inches; at Káthmandú, in the Valley of Népál, 60; at Simla 70; at Cherrapunji 500. It must always be remembered, that the amount of rain and moisture at any given spot in the Himalayas depends greatly on the number of covering ridges intervening between such spot and the course of the great column of vapour borne by the monsoon from the ocean. The fact, that the fall of rain in the Côncan is five-fold what it is in the Deccan, owing to the intervention of the Ghàit range, will make this more intelligible.

† Very imperfect sanitary arrangements to the north-west, where large multitudes are assembled yearly such as are unknown to the Sanitaria of the south-east, must be added in explanation of the dysenteries and fevers noted.

‡ In my sitting-room, which is freely ventilated, the thermometer ranges only from 60 to 65, day and night, between the end of June and the end of September. In December, January, and February, the range is about the same, or but slightly greater.

§ The Escort or Honorary Guard formerly consisted of 200 men; it now consists of 100.
less favourable, the reasons of this had nothing to do with the hill climate, but
resulted wholly from the senseless selection of cases sent up; the absurd neglect of
seasons in sending up and taking down of the invalids; and lastly, the shameful
abandonment of all care and supervision of the men on the way up and down.

The appearance of the European children at Darjeeling might alone suffice to
prove the suitableness of the climate of the Himalaya at six to eight thousand feet
for European colonization, confirmed, as such evidence is, by that of the aspect
and health of such adult Europeans as came here with uninjured constitutions,
and have led an active life since their arrival. Finer specimens of manly vigour
the world could not show; and though none of the individuals I allude to have
lately toiled all day in the open air at agricultural labours, yet I am credibly in-
formed that some of them did for several years after their arrival here, and
with perfect impunity; their agricultural pursuits having been abandoned for
reasons quite apart from either injured health or inability to support them-
selves and families comfortably by such labours.

That Europeans would sustain injury from exposure during agricultural labours
at any period of the year, seems therefore refuted by fact; and when it is
remembered that such persons would be working here, as at home, amid an in-
digenous arboreal vegetation of oaks, hollies, chestnuts, sycamores, elms, horn-beams,
birches, alders, elders, willows, and, more westerly, pines and firs, such a fact de-
rives from such an analogy double strength; and the attempted inference from both
is further justified by the healthful growth in the Himalaya of such of our own
cereals and vegetables and fruits as we have thus far tried to introduce, with
the sole exception of delicate and soft pulped fruits, not of an early or spring matu-
ing kind, such as peaches, grapes, and the like. These rot, instead of ripening in the
central region of the Himalaya, owing to the tropical rains and rarity of sun-shine
at the ripening season.

But such soft fruits as become mature before the rains set in, as strawberries,
come to perfection, as do all hard fruits, such as apples. There is, in fact, no end
no end of the mineral and vegetable wealth of the Himalaya, and if the absence of
flat ground, with the severity of the tropical monsoon or rainy season, present
considerable drawback to agricultural success, on the other hand the endless
inequalities of surface offer a variety of temperature and of exposure, together with
signal modification even of the element of moisture and rain, all highly conducive
to the advantageous cultivation of numerous and diverse products proper to the
soil or imported from elsewhere.

Temperature changes regularly in the ratio of 3\degree diminution of heat for every
thousand feet of height gained; and every large ridge crossing the course of the

‡ We may now add that the children and, in a few instances, grandchildren born
at Darjeeling of the Europeans in question, and the children generally of the gentlemen
resident there, are as healthy and vigorous as any children in Europe.

§ Agriculture does not require much exposure at the hottest season, when the crops
are growing.

* The beech is the only European tree not found in the Himalayas. The rest are
very common.
Monsawon modifies almost as remarkably the amount of rain in the several tracts covered by such ridges. The ratio of decrease of heat with elevation, which has just been stated, must however be remembered to be an average and to have reference to the shade, not to the sun, for it has been found that the direct rays of the sun are as powerful at Darjeeling as in the plains, owing probably to the clearness of our atmosphere; and this is the reason why our clouds are so welcome and beneficial during the hottest months of the year. In other words, the constant cloudiness of that season is beneficial to the European. It is otherwise, however, as regards his crops, which being ripening at that period, would be benefited by a clearer sky; and thus it is that a certain degree of oppugnacy exists between the sites most congenial to the European and to his crops; for, whilst a height of six to seven thousand, perhaps, might be most congenital to him, one of four to five thousand would certainly suit them better, not so much for the average higher temperature, as for the larger supply of sun-shine. But the oppugnacy is only one of degree, and whilst four thousand is a very endurable climate for the European, there is no reason why he should not have his abode, as is the frequent custom of the country, at a somewhat higher level than that of his fields, should he find such an arrangement advantageous upon the whole.

The fertility of the soil is demonstrated by the luxuriance of the arboreal and shrub vegetation, a luxuriance as great in degree as universal in prevalence. True this luxuriance has its evils* and, in its present unpruned state, may be one great cause why the feeding of flocks and herds is scantily pursued by the people, and without much success, speaking generally; for there are exceptions even now, and European energy would soon multiply these exceptions, besides grappling successfully with the presumed source of the evil, or too much and too rank vegetation, not to add, that, in the districts next the snows and Tibet, that hyper-luxuriance ceases, and herds and flocks abound, and the latter yield fleeces admirable for either fineness or length of fibre.† The soil consists of a deep bed of very rich vegetable mould from one to three feet deep, to preserve which from being carried away by the tropical rains after the removal of its natural cover of forest and under-growth, by terracing and other known expedients, must be the colonist's first care, for the underlying earth is almost always a hungry red clay but happily one whose sand poverty is much qualified by better ingredients derived from the debris of the gneissae and schistae that constitute the almost sole

*The paucity of graminee is, I believe, a feature of the Himalayan Botany, and every observant person must notice the absence of meadows and grazing land and hay fields throughout the hills. But this is to be accounted for and explained by the uncommon strength and abundance of the indigenous vegetation; for, whenever a tract of land is kept clear, grass springs up; and the European grasses that have been imported, including clovers and lucern, flourish exceedingly, the moist climate being very favourable to them. Such, however, are the richness and high flavour of the native vegetation, that large and small cattle, even when provided with the finest European pasture, are apt to desert it in order to graze at large amid the forests and copses. I here speak of the central region of the Himalaya, wherein leeches are the great enemies of the cattle, and a peculiar disease of the hoofs to which they are subject.

†The samples I sent to Europe of the wool of the sheep and goats of the Northern region of the Himalaya and of Tibet were valued at seven to nine pence per pound.
rocks. The argillaceous constituents of the soil are perhaps in good proportion; the siliceous, perhaps, rather too abundant; the calcareous, deficient. Heretofore, the superficial mould has been the sole stay of the agriculturist and floriculturist. How far that would continue to be the case under abler culture, I know not. But, so long as it did continue, the caution above given would demand the most vigilant and incessant attention.

The common European cereals, or wheat, barley, rye, and oats, are little heeded in the Himalaya, where I never saw crops equal those grown in various parts of the plains. But this, though no doubt attributable in some measure to a deal of the Himalayan population being located at heights above those where, in the present forest encumbered state of the country, a sufficiency of summer sun for such crops can be safely calculated upon, is likewise attributable in part to the preference for rices, maizes, sorghums, panicums or millets, buck-wheat, and amaranth, on the part of the people, whose cultivation of wheat is most careless, without manure, even in double-cropped and old lands, and the plant is allowed to be over-run, whilst growing, by wild hemp or artemisia, or other social weed of most frequent occurrence in the Himalaya. Observe, too, that the system of double cropping now occasions the sacrifice of the despised wheat crop which is a spring one to the cherished autumnal crop which is a rice one; and that were the former allowed due consideration and treated with reference to its furnishing a main article of food, instead of being regarded merely with reference to the still, as is now very generally the case among the native population, we might reasonably expect to see fine crops of wheat as high as five thousand feet and more, especially so when the clearance of the land, conducted judiciously, was enabled to produce its due and experienced effects in augmenting the sun-shine and diminishing the rain and mist in such properly cleared tracts. Heretofore, skill and energy have done absolutely nothing, in these or other respects, for Himalayan agriculture, and yet there is no country on earth where more advantage might be derived from skill and energy applied to the culture of agricultural products. As already said, the infinite variety of elevation and of exposure (both as to heat and moisture), together with the indefinite richness of the soil, as proved by the indigenous tree and shrub and other vegetation, are premises one can hardly fail to rest soundly upon in prognosticating the high success of European culture of the Himalayan slopes, notwithstanding the drawbacks I have enumerated. There need hardly be any end to the variety of the products, and good success must attend the cultivation of many of them, after a little experience shall have taught the specialities of the soil and climate, so that the subject should be incessantly agitated till the Government and the public are made fully aware of its merits. How much iteration is needed, may be illustrated by the simple mention of the fact, that the fitness of the Himalayas for tea-growing was fully ascertained twenty-five years ago in the valley of Népal, a normal characteristic region, as well in regard to position* as to elevation. Tea seeds and plants were procured from

*It is equi-distant from snows and plains, and has a mean elevation of 4,500 feet.
Colonization of the Himalaya.

China through the medium of the Cashmere merchants then located at Kháthmándú. They were sown and planted in the Residency garden, where they flourished greatly, flowering and seeding as usual, and moreover, grafts ad libitum were multiplied by means of the nearly allied Eurya (Camellia) kesi, which, in the valley of NépáI, as elsewhere, throughout the Himálaya, is an indigenous and most abundant species. These favourable results were duly announced at the time to Dr. Abel, Physician to the Governor General, an accomplished person, with special qualifications, for their just appreciation. And yet, in spite of all this, twenty years were suffered to elapse before any effective notice of so important an experiment could be obtained.

I trust, therefore, that the general subject of the high capabilities of the climate and soil of the Himálayas, and their eminent fitness for European colonization having once been taken up, will never be dropped till colonization is a “fait accompli” and that the accomplishment of this greatest, surest, soundest, and simplest of all political measures for the stabilization of the British power in India, may adorn the annals of the present Viceroy’s administration.

But observe, I do not mean wholesale and instantaneous colonization, for any such I regard as simply impossible; nor, were it possible, would I advocate it. The distance and unpopularity of India, however, would preclude all rational anticipation of any such colonization, whatever might be the wish to effect it. What I mean is, looking to these very obstacles and drawbacks, seeming and real, that some systematic means should be used to reduce their apparent and real dimensions, to make familiarly and generally known the cheapest methods and actual cost of reaching India; to afford discriminating aid in some cases towards reaching it and settling in it; and to show that, in regard to the Himálaya, the vulgar dread of Indian diseases is wholly baseless—to show also, that its infinite variety of juxtaposed elevations, with correspondent differences of climate, both as to heat and moisture, and the unbounded richness of its soil at all elevations, offer peculiar and almost unique advantages (not a fiftieth part of the surface being now occupied) to the colonist, as well on the score of health as on that of opportunity, to cultivate a wonderful variety of products ranging from the tropical nearly to the European.

A word as to the native population, in relation to the measure under contemplation. In the first place, the vast extent of unoccupied land would free the Government from the necessity of providing against wrongful displacement; and, in the second place, the erect spirit and freedom from disqualifying prejudices, proper to the Himálayan population, would at once make their protection from European oppression easy, and would render them readily subservient under the direction of European energy and skill to the more effectual drawing forth of the natural resources of the region. Located himself at an elevation he might find most conducive to his health, the colonist might, on the very verge of the lower region (see Essay on Physical Geography of Himalaya, in another part of this work), effectually command the great
resources for traffic in timber, drugs, dyes, hides,* horns, ghee, and textile materials, not excluding silk, which that region affords; whilst, if he chose to locate himself further from the plains and devote himself to agriculture and sheep-breeding, he might make his election among endless sites in the central and higher regions (see paper above referred to) of the Himalayas, of a place where these or those sorts of cereal flourished best, and where cattle and sheep could be reared, under circumstances of surface, vegetation, and temperature as various as the imagination can depict, but all more or less propitious; the steep slopes and abundant vegetation, rank but nutritious, of the central region, giving place, in the higher region, to a drier air, a more level surface, and a scantier and highly aromatic vegetation, peculiarly suited to sheep and goats, whose fleeces in that region would well repay the cost of transport to the most distant markets.

Not that I would in general hold out to the colonist the prospect of growing rich by the utmost use of the above indicated resources for the accumulation of wealth—to which might, and certainly in due course would, be added those of the Trans-Himalayan commerce||—but would rather fix his attention, primarily, at least upon the certain prospect of comfort, of a full belly, a warm back, and a decent domicile, or, in other words, of food, clothes, and shelter for himself, his wife, and children, unfailing with the most ordinary prudence and toil, and such, as to quality and quantity, as would be a perfect god-send to the starving peasantry of Ireland and of the Scotch Highlands. These are the settlers I would, but without discouraging the others, primarily encourage by free grants for the first five years, and by a very light rent upon long and fixed leases thereafter, looking to compensation in the general prestige of their known forthcomingness on the spot, and assured that, with the actual backing upon occasions of political stress and difficulty of some fifty to one hundred thousand loyal hearts and stalwart bodies of Saxon mould, our empire in India might safely defy the world in arms against it.

* Countless herds of cattle are driven for pasture annually, during the hot months, from the open plains into the Tarai and Bhabar, and of the thousands that die there, the hides and horns are left to rot, for want of systematic purchase, and this whilst the demand is so urgent, that cattle-killing has become a trade in order to meet it.|| In 1832 I furnished to Government a statement of the amount of this commerce, as conducted through Nepal proper, the exports and imports then reached thirty lacs, and this under circumstances as little encouraging to commercial enterprise as can well be imagined, for monopolies were the order of the day, and those in power were often the holders of such monopolies, as I believe is still the case in Nepal and also in Cashmere. In the paper adverted to, I also pointed out, by comparative statements, how successfully Britain could compete with Russia in regard to this commerce.

|| We are, it should never be forgotten, 'rari sunt ex gurgite vasto,' occupying a position quite analogous to that of the Romans, when one of their ablest statesmen exclaimed 'quantum nobis periculum sit, sereno nostro numere non cepissent.' We cannot, for financial reasons of an enduring kind, create an adequate guard against the perils of such a position, nor materially alter it for the better gaudat physical security, save by having such a body of our countrymen as above contemplated within call.

To ward off Russian power and influence, we are just now entering on a war (in Persia) as immediately and immensely costly, as full of perplexities and difficulties even in any of its better issues. Were one-tenth, nay, one-fiftieth, of the money which that war, if it last, will cost, bestowed on the encouragement of European settlements in the Himalayas, we might thus provide a far more durable, safe and cheap barrier against Russian aggression, and should soon reduce her land-borne commerce with Eastern Asia to nil. (A.D. 1868.)
7. ON THE COMMERCE OF NEPAL.

[The following papers, which are of special interest just now, were addressed to the Political Secretary at Calcutta in 1831, and were published in a volume of "Selections from the Records of the Government of Bengal, No. XXVII," in 1867. —Ed.]

No. I.—A precise practical account of the commercial route to Kathmandú, and thence to the marts on the Bhoite or Tibetan frontier, with the manner and expense of conveying goods, the amount and nature of the duties levied thereon by the Népál Government, and the places where they are levied.

No. II.—Lists of imports and exports, with remarks.

It is scarcely necessary for me to remark, that a connexion with this country was originally sought by us purely for commercial purposes, which purposes the government, up to the beginning of this century, directly and strenuously exerted itself, by arms and by diplomacy, to promote. Now, though I would by no means advise a recurrence to that mode of fostering the commerce in question, but, on the contrary, entirely adhere to the opinions expressed by me in my public despatch of the 8th of March, 1830, yet I think it is possible we may fall into the opposite error of entire forgetfulness and neglect of the matter. I conceive, therefore, that a few remarks tending to reveal the actual and possible extent and value of the trade in question will, at the present moment, be well timed and useful, in which hope I shall now proceed to make some such remarks, and to point out, in the course of them, the specific object for which each of the two accompanying documents was framed. Why that great commerce, which naturally ought to, and formerly did, * subsist between the vast Cis- and Trans-Himalayan regions, should seek the channel of Népál rather than that of Bhútan on the one hand, or of Kumaon on the other, I have already explained at large, in my despatch above alluded to, and to which I beg to refer you, should the subject seem worthy of any present consultation or consideration. But I shall probably be met at the threshold of the discussion with the reasonable questions—what has been the effect of sixteen years'...

* I recommend a reference to the old records (inaccessible to me) of the commercial Residency of Patna and of its out-post Bettia. In 1842, an official reference was made to me, too immediately before my departure from Népál to be answered, the object of which was to ascertain why the imports from Tibet through Népál, and particularly that of gold, had fallen off so much.
peace and alliance with NépáI—what is now the positive amount of this commerce?—what its extent as compared with any like preceding period. If the mustard-seed be indeed, to attain its promised dimensions, there ought to be now some distinct symptoms of its great power of increase.

To meet in some sort, and prospectively, these reasonable enquiries, I have drawn up the paper No. II. I have myself searched in vain through my record for any—the vaguest—data, by which I might judge of the amount of this commerce at the times of Kirkpatrick's1 and Knox's missions to Káthmándú, or, at the period of Mr. Gardner's arrival here (1810), and the vexation I have experienced at finding none such, has led me thus to place on record the best attainable data for the present time. Fifteen years hence these data will furnish a scale of comparison by which to measure the justness of the views now entertained respecting the power of increase inherent in the trade of S0pti1. It will readily be anticipated this government neither makes nor keeps any express record of the annual amount of exports and imports, and that it is no easy thing for one in my situation to get possession of the indirect, yet facile, measure of this amount furnished by the sum-total of the duties annually realized upon it. So far as attainable, I have used this measure. I have also, sought and obtained other measures. I have secretly and carefully applied to some of the oldest and most respectable merchants of Káthmándú, and the other chief towns of the Valley, for conjectural estimates of the total annual amount of imports and exports, and of the number and capital of the chief commercial firms of the Valley. These estimates are given in Number XI. In the absence of statistical documents, these are the only accessible data, and when it is considered that I have been many years at this place, it may reasonably be presumed, that I have the means of so applying to the merchants in question as to procure from them sincere statements to the best of their knowledge.

It appears then that at this present time there are, in the great towns of the Valley of NépáI, fifty-two native and thirty-four Indian merchants engaged in foreign commerce, both with the South and the North, and that the trading capital of the former is considered to be not less than 50,18,000, nor that of the latter less than 23,05,000. A third of such of these merchants as are natives of the plains have come up subsequently to the establishment of the Residency in 1818, since which period, as is thought by the oldest merchants of Káthmándú, the trade has been tripled.

Turning again to No. II., Part I., we have, for the annual prime cost value of the imports in Sírca rupees 10,11,000, and Part II. of No. II. affords, for the annual value, at Káthmándú, of the exports, 12,77,800 of Népálese rupees, equivalent to Kuldars 10,64,833-5-4, thus making the total of imports and exports 23,75,633-5-4 of Kuldar rupees. But, from particular circumstances, the imports of 1830-31 were above what can be considered an average specimen, and should be reduced by one-third.

†1792 and 1801, respectively.

Before I left NépáI, I had some reason to suppose these estimates to be too high by a third.
THE COMMERCE OF NEPAL.

In respect to the annual amount of duties realised by this government upon this trade, I cannot ascertain it upon the northern branch of the trade, but upon the southern branch, or imports and exports from and to India, (which is farmed and more easily discoverable,) it reached last year (1830) the sum of one lakh and sixty-thousand three hundred and sixty-four Nepálese rupees. Now, if we take (as there are good grounds for doing) the duty, upon an average, of 6 per cent. ad valorem, the above amount of duty will give a total annual value of imports and exports, with the plains of India alone, of 26,72,733 Nepálese rupees, equivalent to Siccas 17,81,231-10-8. But to this sum must be added the whole amount of imports and exports passing duty free, and which cannot be rated at less than seven lakhs of Kuldars per annum. There are exemptions, from principle, of a general nature, such as those affecting the export of gold, pice, and Nepálese rupees; and which articles alone amounted for 1830-31, to fully five lakhs of Siccas, as per list of Part II. No. II. There are also exemptions from favoritism, which, by the usage of the Nepál government, are largely extended to its more respectable functionaries, civil and military—all of whom, if they have a penny to turn, or expense to meet abroad, at once dabble in trade, and procure for themselves freedom of export and import for the nonce. The goods so exported and imported must be rated at a lakh per annum, nor can the Durbar's own purchases or imports be set down at less. We must add, therefore, seven lakhs of exempted goods to the nearly eighteen lakhs pointed out by the duties, and we shall have, in this way, little short of twenty-five lakhs of Kuldars for the total amount value of the exports and imports, to and from the plains, as indicated by the amount of duties and of exemptions. Such, according to data, of some worth at least, is the present extent

† The deficiency of exports is made up, and more by the agricultural produce of the lowlands, especially grain, six lakhs of which are annually sent to Patna, etc., where it is paid for in money wholly. The means of export afforded to Nepál by her Tarai agriculture escaped me in drawing up the tables of commerce.— B.H.H., 1834.

The total of exports and imports must, therefore, be set down at upwards of thirty lakhs.—B.H.H., 1857.
of the trade of Népál. If we would reasonably conjecture to what a height that trade might easily grow, we may do so by turning to the statistical documents touching the amount and nature of the Russian commerce with China via Kishintha; and then, comparing the facilities and difficulties of such a commerce with those which present themselves to a commerce with the same country via Káthmándú and Lhásá. From St. Peterburg to Peking, by any feasible commercial route, cannot be less than 5,600 miles;* and though there is water carriage for a great part of the way, yet such is the savage sterility of the country, and such the rigor of the climate, that the water passage takes three years, and the land route one entire year, to accomplish it. The Russian government levies high duties on this trade, not less than 20 to 30 per cent., save on Russian products, which are scant, compared with the foreign. There are some monopolies, and many prohibitions, especially those mischievous ones affecting the export of either coin or precious metals.

I have mentioned the interval separating St. Peterburg and Peking. It is further necessary to advert to the yet more distant seats, both of production and of consumption, in reference to the more valuable articles constituting the Russian trade. The Russians export to China peltry, woolen and cotton cloths, glass-ware, hardware, hides, and prepared leather. Of these, not more than half of the first is produced in Siberia, the other half is obtained from North America, either via England, or by way of Kamtchatka and the Aleutian Isles. Of the cotton and woollen cloths, the coarse only are Russian made, the fine come chiefly from England; and the like is true of the glass-ware and hardware. The hides are, mainly, of home production. Russia imports from China musk, borax, rhubarb, tea, raw and wrought silk, diito diito cotton, porcelain, Japan ware, water colours, etc. But the best musk, borax, and rhubarb by far are those of Tibet, and especially of Sisán, the north-eastern province of Tibet; and no tea is better or more abundant than that of Szechuen, which province is only eighty-seven days' journey from Káthmándú; whilst, of course, the musk, borax and rhubarb regions (as above indicated) are yet nearer to us, yet more inaccessible to the Russians, than Szechuen.

What more I have to say on these products will fall more naturally under my remarks on the line of communication with those countries through Népál; and to that topic I now address myself. From Calcutta to Peking is 2,860 miles. Of this, the interval between Calcutta and Káthmándú fills 540 miles, two-thirds of the way being navigable commodiously by means of the Ganges and Gandák. The mountains of Népál and of Tibet are steep and high; but they are, excepting the glaciers of the Himálayas, throughout chequered with cultivation and population, as well as possessed of a temperate climate. It is only necessary to observe the due season for passing the Himálayas, and there is no physical obstacle to apprehend; so that the journey from Káthmándú to Peking may be surely accomplished in five months, allowing for fifteen days of halts. But wherefore speak of Peking? At the eighty-seventh stage only, from Káthmándú, the merchant enters

* Mr. Brun gives 4,186 miles for what I take to be the direct, or nearly direct, way. Coxe, in one place, gives 5,368, in another place 4,701 miles. Bell's Itinerary yields 6,342. These are obviously the distances by various routes, or, by a more or less straight course, I take nearly the mean of them.
that rich and actively commercial province of China Proper, called Szechuen,' whence by means of the Yang-tze-kiang, and of the Hwangho, he may import his wares, as readily as cheaply, throughout the whole central and northern parts of China, if he can be supposed to have any adequate motive for going beyond the capital of Szechuen, where he may sell his European and Indian products, and purchase tea or silk or other products of China. The mountains of Siffán and of Tibet, which yield the finest borax, musk and rhubarb in the world, lie in his way both to and fro; and, in a word, without deviating from his immediate course, or proceeding above ninety days' journey from Káthmándú, he may procure where they grow, or are wrought, all those valuable articles of commerce which Russia must seek indirectly and at a much greater cost. But England and China, and not Calcutta and China, it may be argued, must be the sites of the production and consumption of the truly valuable articles of this commerce, of which the Népâli and Indians would have little more than the carrying trade; and England is afar off! It is so, indeed; but, with reference to the cheapness and facility of ship freight, of how little importance to commerce is the distance of England from Calcutța—not to mention that, as I have observed in reference to the Russian commerce, we must not suppose the Russian has no further to seek than St. Petersburg, but remember that England and Canada supply him with half he needs. From Canada Russia seeks through England our peltry, to convey it to the Chinese across the endless savage wastes of Siberia. What should hinder our Indian subjects and the Népâli from procuring these same furs at Calcutta and conveying them through Népâ and Tibet to these same Chinese. At less than ninety stages from Káthmándú, they would arrive at the banks of the Hwangho in Siffán, or those of the Yang-tze-kiang in Szechuen; and then the merchants might be said to have reached their goal. What, again, should hinder the same merchants from under-selling the Russian, in the articles of English woollens, hard-ware and glass-ware, by conveying them to Szechuen from Calcutta, by the same route? Nothing, it may safely be said, but want of sufficient information upon the general course and prospect of commerce throughout the world; and that information we might easily communicate the practical substance of to them. There are no political bars or hindrances to be removed for the Népâli have used the Chinese commerce with Tibet for ages, and our Indian subjects might deal in concert with Népâli by joint firms at Káthmándú. Nay, by the same means, or now, or shortly, Europeans might essay this line of commercial adventure. But of them it is not my present purpose to speak. Let

The route from Lhâsa to the central and western provinces of China is far more easy than that from Lhâsa to Pekin.

Lord Elgin is now proceeding to China, in order to determine the footing upon which the civilized world, and especially England, shall hereafter have commercial intercourse with the Celestial Empire.

It may be worth while to remind His Excellency of the vast extent of conterminous frontier and trading necessity in this quarter, between Gilgit and Brahmakund. We might stipulate for a Commercial Agent or Consul to be located at Lhâsa, or for a trading frontier post, like Kischta; and, at all events, it would add to the weight and prestige of our Ambassador, to show himself familiar
the native merchants of Calcutta and of Nepal, separately or in concert, take up this commerce, and whilst we, though not the immediate movers, shall yet reap the great advantage of it, as consisting in an exchange of European articles for others chiefly wanted in Europe, we shall have a better chance of its growing to a vigorous maturity than if Europeans were to conduct it through its infancy. I have only further to add, in the way of continued contrast between the Russian commerce and that here sketched, that whilst the former is loaded with duties to the extent of 25 per cent., the latter would, in Nepal, be subject only to 8 per cent. duty; in Tibet, to no duty at all; and in our provinces only, I fancy, to a very moderate one, which might perhaps be advantageously abolished. Having thus, in the best manner I was able, without numerous books to refer to, none of which are to be had here, given a rapid view of the grounds upon which I conceive a very flourishing commerce might be driven in European and Indian articles, between the great Cis- and Trans-Himalayan plains, by means (at least in the first instance) of our Indian subjects and those of Nepal, I need only add, that the document No. 1. is designed to arouse and direct the attention of the native merchants of Calcutta; that I have given it a popular form with an eye to its publication for general information in the Gleanings in Science; that No. 2. might be similarly published with advantage, and lastly, that nothing further is necessary, in order to give this publication all the effect which could be wished, than-simply to enjoin the Editor of that work to refer any native making enquiries on the subject to the Resident at Kathmandu, who, without openly aiding or interfering, might smooth the merchant's way to Kathmandu, and assist him with counsel and information. To prove that I have laid no undue stress on this matter, I only desire that a reference be had to the circumstances and extent of the Russian commerce at Kiachta, as lately (i.e., in 1829) laid before Parliament; and even if this parallel between the two trades be objected to in its present extent, (and I have run it the whole length of China on one side, partly from a persuasion of the soundness of the notion, partly to provoke enquiry,) let us limit our own views to Tibet and maintain the parallel so modified. It may instruct, as well as stimulate us. Tibet, in the large sense, is an immense country, tolerably well peopled, possessed of a temperate climate, rich in natural productions, and inhabited by no rude nomades, but by a settled, peaceful, lettered, and commercially disposed race, to whom our broad cloths are the one thing needful; since, whilst all ranks and ages, and both sexes, wear woollen cloths, the native manufactures are most wretched, and China has none of a superior sort and moderate price wherewith to supply with his whole case, or with the landward, as well as the sea-board relations of Britain and China.—Note of 1857.

* That is, the 6 per cent. before spoken of and 2 per cent. more levied between Kathmandu and the Bhote Frontier; but the latter duty can hardly be rated so high; at all events, 8 per cent. will amply cover all Custom House charges within the Nepalese dominions. In our territories, the duties appear to reach 7 per cent. See general remarks to Part 1.
the Tibetans. With her musk, her rhubarb, her borax, her splendid wools, her mineral and animal wealth, her universal need of good woollens, and her incapacity to provide herself, or to obtain supplies from any of her neighbours, Tibet may well be believed capable of maintaining a large and valuable exchange of commodities with Great Britain, through the medium of our Indian subjects and the people of Nepal, to which latter the aditus, closed to all others by China, is freely open. Nor is it now needful to use another argument, in proof of the extension of which this commerce is capable, than simply to point to the recorded extent of the existing Russian commerce with China across Siberia.

P.S., 1857.—A costly road has been constructed recently over the Western Himalaya; but, adverting to proximity and accessibility to the various centres of supply and demand, I apprehend that a brisk trade between the Cis- and Trans-Himalayan countries would inevitably seek the route of the central or eastern part of the chain. To Delhi, Benares, Patna, Dacca and Calcutta, on the one hand, to all the rich and populous parts of Tibet, extending from Digarchee to Sifam, on the other hand, either of the latter routes is far nearer and much more accessible. By the unanimous testimony of all natives and of written native authorities Western Tibet is very much the poorest, most rugged, and least populous part of that country. Utsang, Kham, Sifam, and the proximate parts of China furnish all the materials, save shawl-wool, for a trade with us, as well as all the effective demand for our commodities. All this points to Kathmandu Darjeeling or Takyeul (above Gowhatti in Assam) as the most expedient line of transit of the Himalaya.

I.

THE TRADE OF NEPAL.

When we consider how much intelligent activity the native inhabitants of Calcutta have, of late years, been manifesting, we cannot help wondering that none of the mercantile class among them should have yet turned their attention to the commerce of Nepal. Do they not know that the Newars, or aborigines of the great Valley of Nepal, have, from the earliest times, maintained an extensive commerce between the plains of India on the one hand and those of Tibet on the other? By the terms of the Treaty of 1792, the duties leviable on both sides are limited to 2½ per cent. ad valorem of the specie. The actual charges to which the trader is put far exceed the customs duties co nomina, since tolls are levied by every Jaguerdar on the transit of goods through the lowlands. *See Cooper, Bengal As. Soc. Journal for May 1859.

† Since this was written the successful growth and manufacture of tea in the British Himalaya are accomplished facts adding greatly to the means of establishing without doubt or difficulty a flourishing commerce with Tibet and the countries immediately north and east of it. In Kumaon, Sikim, Assam, are found great and thriving tea-growing establishments. Nothing is more craved for or less procurable, in Tibet and up to the Russian frontier, than good tea; and if we cannot open up the Takyeul route from Assam we can and have that through Sikim by the Chola pass. The recent treaty has given us a right of way and of road construction, and this pass is not liable to be closed by the snow nor is the access to Sikim from the south rendered dangerous by malaria. The southern half of Sikim is our own; the northern half belongs to our dependant ally to whom we restored it in 1816, and for whom we have preserved it ever since, from the grasp of Nepal.
other; that Népál is now subject to a wise and orderly Native Government; that owing to the firm peace and alliance between that Government and the Honorable Company's, the Indian merchant has full and free access to Népál; that the confidence inspired by the high character of the native administration, and by the presence of a British Resident at the Court, has led the native merchants of Benáres to establish several flourishing kothees at Káthmándú, that the Casmerians of Patna have had kothees there for ages past; that so entirely is the mind of the inhabitants of our territories now disabused of the old idle dread of a journey to Népál, that lakhs of the natives of Oude, Behar, and North East Bengal, of all ranks and conditions, annually resort to Káthmándú, to keep the great vernal festival at Paur penet Kabétrá. Are the shrewd native merchants of Calcutta incapable of imitating the example of their brethren of Benáres, who have now no less than ten kothees at Káthmándú; and will it not shame them to hear, whilst not one of them has essayed a visit to Káthmándú, to make enquiry and observation on the spot, very many Népálese have found their way to Calcutta, and realized, on their return, cent per cent. on their speculations in European articles? The native merchants of Calcutta have, whilst there, a hard struggle to maintain with their European rivals in trade, but at Káthmándú, they would have no such formidable rivalry to contend with, because Europeans not attached to the Residency, have no access to the country and without such access, they probably could not, and certainly have not, attempted to conduct any branch of the trade in question. But every native of the plains of India is free to enter Népál at his pleasure, nor would he find any difficulty in procuring from the Government of the country permission to sojourn by himself or his agent at Káthmándú, for purposes of trade. With a view to arouse, as well as to direct, the attention of our native brethren of the City of Patna, in regard to the trade of Népál, we subjoin some of the principle details respecting the route, the manner and the cost of carriage, and the nature and amount of the duties levied by the Népál Government. It cannot be necessary to dwell upon that portion of the way which lies within the heart of our own provinces—suffice it to say that, by the Ganges and Gandák, there is commodious water carriage at all seasons, from Calcutta to Govindgunge or Kearsiah, situated on the Gandák river, in the Zillah of Sarun, and no great way from the boundary of the Népálese territories. Kearsiah or Govindgunge, then, must be the merchant's place of debarkation for himself and his goods, and there he must provide himself with bullocks for the conveyance of his wares, as far as the base of the greater mountains of Népál, where again, he will have to send back the bullocks and hire men to complete the transfer of his merchandise to Káthmándú; and here we may notice a precaution of some importance, which is, that the merchant's wares should be made up at Calcutta into secure packages adapted for carriage on a man's back of the full weight of two Calcutta bazar maunde each; because, if the wares be so made up, a single mountaineer will carry that surprising weight over the huge mountains of Népál, whereas two men not being able to unite their strength with effect in the conveyance of goods, packages heavier than two maunde are, of necessity, taken to pieces on the road at great hazard and
inconvenience, or the merchant must submit to have very light weights carried for him, in consideration of his awkwardness or inexperience in regard to the mode of adjusting loads. Besides the system of duties proceeds in some sort upon a presumption of such loads as those prescribed; and lastly, two such loads form exactly a bullock freight; and upon bullocks it is necessary, or at least highly expedient to convey wares from Kesriah to the foot of the mountains. Let every merchant, therefore, make up his goods into parcels of two full bazar maunds each, and let him have with him apparatus for fixing two of such parcels across a bullock's saddle. He will thus save much money and trouble. Kesriah and Govindunge are both flourishing villages at which plenty of good bullocks can be had by the merchant, for the carriage of his wares, as well as a good tattoo for his own riding to the foot of the hills, whence he himself must either walk, or provide himself (as he easily can at Hitounds) with a dooly, for the journey through the mountains to Kathmandu, the hire of a bullock from Kesriah to Hitounds, at the foot of the mountains, is three Sicca rupees: besides which sum, there is an expense of six annas per bullock to tokdars or watch-men on this route, viz., two annas at Moorliah, two at Bichieko, and two at Hitounds. The total expenses, therefore per bullock, from Kesriah to Hitounds, are Sicca rupees 3-6-0. The load of each bullock is four pukka maunds. The stages are nine, as follows:—Kesriah to Bhopatpoor, 6 cos; to Lohi, 7 cos; to Segoulee, 6 cos; to Amodahi, 6 cos; to Pursoni, 6 cos; to Biosoollah or Simrabasa, 4 cos; to Bichieko, 5 cos; to Chooriah Ghati, 3 cos; and to Hitounds, 4 cos; being 44 cos in all. Hitounds, as already frequently observed, is at the foot of the great mountains, which, for want of roads, no beast of burden can traverse laden. Men, therefore, are employed, but so athletic and careful and trustworthy are the hill porters, that this sort of carriage is far less expensive or inconvenient than might be imagined. The precautions in respect to packages before prescribed having been attended to by the trader he will find the four maunds of goods, which constituted the one bullock's load as far as Hitounds readily taken up by two hill-porters, who will convey them most carefully in six days to Kathmandu. It is an established rule, that four maunds, properly packed, make two bakkooos, or men's loads, which are conveyed to Kathmandu at the fixed rate of two rupees of the country per bakkoo or load. The stages and distances are as follows:—Hitounds to Bhainsa Dohhang, 3½ cos; to Bhimphedy, 4 cos; to Tambakhani, 3 cos; to Chitlong, 3 cos; to Thankot, 3 cos; to Kathmandu, 3 cos—Total, 19½ cos. At Hitounds, there is a Custom House Chokey, where packages are counted merely, not opened, nor is any duty levied there. At Chisapangi Fort, which is half way between Bhimphedy and Tambakhani, is another Custom Chokey, and there the merchandise is weighed, and a Government duty is levied of one anna per dharni of three seers, being two Paisa rupees per bakkoo: also, a Zemindary duty at Chitlong of two annas per bakkoo or load of 32 dharni, in other words of 96 ordinary seers. At Thankot, the last stage but one, a further Zemindary duty is levied of four annas per bakkoo.
To which, if we add the 3-6-0 Sicca for bullock hire and watch-men, between Kesaria and Hitounda, we shall have a total of Sicca rupees 9-10-9½ for the expense, for duty and carriage, of conveying four pukka basar mounds and upwards, (64 dhârni or 192 ordinary seers exactly,) from the Ghaut of the Gandâk to Kâ-thmândû, where finally the goods are subject to an ad valorem duty of rupees 3-8-0 of the country or 2-13-6 Sicca, and where the merchant may get cent per cent. upon Calcutta prices for his European articles, if they have been well selected.

The duties upon imports from the plains, leviable at Kâ-thmândû, are farming by the Government, instead of being collected directly. The farm is called Bhansâr—the farmer, Bhansâri. On the arrival of a merchant with goods from the plains, the Bhansâri, or his deputy, waits upon the merchant and seals up his bales, if it be not convenient to him to have them at once examined. When the bales are opened and the goods inspected, an ad valorem duty (for the most part) of 3½ per cent. is levied on them by the Bhansâri, thus:

<table>
<thead>
<tr>
<th>Description</th>
<th>Nepalese Rs.</th>
<th>Sicca</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hire of Porters</td>
<td>4 0 0</td>
<td>3 4 0½</td>
</tr>
<tr>
<td>Duties Paisa rupees</td>
<td>4 1 2 0</td>
<td>3 1 2 8</td>
</tr>
<tr>
<td>Per bullock load</td>
<td>7 1 2 8</td>
<td>6 4 9½</td>
</tr>
</tbody>
</table>

To carry the four pukka basar mounds and upwards (64 dhârni or 192 ordinary seers exactly,) from the Ghaut of the Gandâk to Kâ-thmândû, the goods are subject to an ad valorem duty of rupees 3-8-0 of the country or 2-13-6 Sicca, which the merchant may get cent per cent. upon Calcutta prices for his European articles, if they have been well selected.

The duties upon imports from the plains, leviable at Kâ-thmândû, are farming by the Government, instead of being collected directly. The farm is called Bhansâr—the farmer, Bhansâri. On the arrival of a merchant with goods from the plains, the Bhansâri, or his deputy, waits upon the merchant and seals up his bales, if it be not convenient to him to have them at once examined. When the bales are opened and the goods inspected, an ad valorem duty (for the most part) of 3½ per cent. is levied on them by the Bhansâri, thus:

<table>
<thead>
<tr>
<th>Description</th>
<th>Nepalese Rs.</th>
<th>Sicca</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Kinnâra or Kinnâra, per cent.</td>
<td>2 0 0</td>
<td>1 1 0 0</td>
</tr>
<tr>
<td>For Nirikhi, per cent.</td>
<td>1 8 0</td>
<td>1 3 6</td>
</tr>
<tr>
<td>Total</td>
<td>3 8 0</td>
<td>2 1 3 6</td>
</tr>
</tbody>
</table>

The value of the goods, upon which depends the amount of duty, is settled by inspection of the merchant's invoice and by appraisement of a regular officer, thence called the Nirikhman. If the merchant continues to dispute the appraiser's valuation, and the consequent amount of duty, and will not listen to reason, it is usual for the Government, in the last resort, to require the merchant to dispose of his wares to it at his own alleged valuation. Let no one therefore think to abate the duty by under-valuing his goods, for if he do, he may find himself taken at his word, when he least expected it. For the rest, if he be fair and reasonable and exhibit his invoice, he has nothing to fear from the Bhansâri, who is not a man of eminent place or power, and if he were, would not be suffer'd under the present able administration, to oppress the merchant. In respect to the duties levied on the way up, (at Chisapani and Thankot,) as already explained, they are called Sayer and Bakwaan. If the merchant pleases, he may avoid paying them on the road, and settle for them at Kâ-thmândû, in which case the Collector of Chisapani takes a memorandum of the weight of the goods and forwards it to
the Bhanarsi and to the Government Collector at Kathmandu, giving the merchant, at the same time, a note of hand to pass him on.

We have stated that the duty on Imports from the plains is, in general, an ad valorem one of 3-8-0 of the country currency; but as, there is a different rate in respect to some of the articles, and, as the enumeration of the chief Imports will serve as a sort of guide to the Calcutta trader, who may be disposed to adventure a speculation to Kathmandu, we shall give a list of these Imports with the duty assigned to each.

<table>
<thead>
<tr>
<th>Articles</th>
<th>Duty in Nepal Rupees &amp; Biscoas</th>
<th>per cent.</th>
</tr>
</thead>
<tbody>
<tr>
<td>European broad cloths and other woollens of all sorts</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>European chintzes and other cotton of all sorts</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>European silks of all sorts</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>European linens of all sorts</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>Amritsar and Cashmere shawls, good</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>Dacca muslins and Jamdanees, sahans, &amp;c.</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>Malda and Bhangulpoor silk and mixed silk and cotton stuffs</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>Benares kinkhash, toftas, mushrooms, shanlas, dopattahs, &amp;c.</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>Miraspoor and Calpee kharwas and garhas</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>Mowshahans, andarshahs, &amp;c.</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>Behar, pagroes, khases, &amp;c.</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>Bareilly, Lucknow and Tanha chintzes</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>European cutlery, as knives, scissors, &amp;c.</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>European glass-ware chandeliers, wall-shades, &amp;c.</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>European mirrors, window glass, &amp;c.</td>
<td>3 8 0 2 1 8 6</td>
<td></td>
</tr>
<tr>
<td>Indian karanas, or groceries, drugs, dyes, and spicery of all sorts</td>
<td>5 0 0 4 1 0</td>
<td></td>
</tr>
<tr>
<td>Peltry of Europe and India, as Dacca, other skins, goat ditto, &amp;c.</td>
<td>5 0 0 4 1 0</td>
<td></td>
</tr>
<tr>
<td>Quicksilver, vermillion, red and white lead, brimstone, jasta, ranges, camphor</td>
<td>5 0 0 4 1 0</td>
<td></td>
</tr>
<tr>
<td>Indigo pays in kind</td>
<td>1 0 0 0 8 2 0</td>
<td></td>
</tr>
<tr>
<td>Precious stones, as diamond emerald, pearl, coral</td>
<td>1 8 0 1 3 6</td>
<td></td>
</tr>
<tr>
<td>Indian laces, as Kalabutti, Gotab, &amp;c.</td>
<td>5 0 0 4 1 0</td>
<td></td>
</tr>
</tbody>
</table>

Whoever has sold his wares at Kathmandu will next look to purchasing a “Return Cargo” with the proceeds of such sale. We therefore now proceed to notice the manner and amount of the Export duties levied by the Nepal Government upon goods exported to the plains. There is no difference between goods the produce of Nepal and such as are the produce of Bhote (Tibet) or China, all paying on exportation to India at the same rate.

The Exports, like the Imports, are farmed, and it is therefore with the Bhanarsi that the merchant will have again to treat with.
The Export duty is an *ad valorem* one, and amounts, for the most part, to 4-11-1 per cent., which is levied thus:

<table>
<thead>
<tr>
<th></th>
<th>Ostensibly</th>
<th>Really</th>
</tr>
</thead>
<tbody>
<tr>
<td>As Bakkooana</td>
<td>1 0 0</td>
<td>1 2 2</td>
</tr>
<tr>
<td>As Nirikhi</td>
<td>1 4 0</td>
<td>1 4 0</td>
</tr>
<tr>
<td>As Kinara</td>
<td>2 0 0</td>
<td>2 4 3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4 4 0</strong></td>
<td><strong>4 11 1</strong></td>
</tr>
</tbody>
</table>

These sums are Nepalese currency. Their equivalents in Sicas rupees are 3-7-3 and 3-13-9. There are no further duties levied on the road, and the merchant, upon payment of the above *ad valorem* duty at Kathmandu, receives from the Bhansari a pass, or Dhoka Nikshet, which will carry him, free beyond the limits of Nepal.

The merchant's goods, on his return, should be made up, as on his approach, into bakkoo or men's loads of thirty-two dharnis of three seers per dharni, and he should have bullocks waiting his arrival at Hitounda, by previous arrangement. The following is a list of some of the principal exports, with their respective duties:

<table>
<thead>
<tr>
<th>Articles</th>
<th>Duties in Nepal Rupees &amp; Siccas.</th>
<th>Ostensibly</th>
<th>Really</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chours</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
<tr>
<td>Tibetan, Himalayan and Chinese woollens, as</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maleeda, Tooe, Namda, Chourpat, Rahry, Bhot etc</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
<tr>
<td>Chinese damasked and brocaded satin &amp; silks</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
<tr>
<td>Sohaga or borax</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nepalese, Bhotes and Chinese drugs — rhubarb,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>mihargiyan, saharbore, momira, jatamangsee,</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
<tr>
<td>hurtal, &amp;c.</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
<tr>
<td>Bhotes and Nepalese paper</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
<tr>
<td>Musak pods, per seer of 32 Sa. Wt.</td>
<td></td>
<td>1 4 0 1 0 3</td>
<td></td>
</tr>
<tr>
<td>Gold</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
<tr>
<td>Silver</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
<tr>
<td>Rupees of the plains</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
<tr>
<td>Rupees of Nepal and copper pice of ditto</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
<tr>
<td>Bhotes poneys or tanghas, each</td>
<td></td>
<td>7 0 0 5 1 1 0</td>
<td></td>
</tr>
<tr>
<td>Hard-ware, as iron phowras &amp;c.</td>
<td></td>
<td>4 11 1 3 13 9</td>
<td></td>
</tr>
</tbody>
</table>

Though we would not advise the native merchant of Calcutta to meddle, in the first instance, directly himself, with the trade of Bhotes, whether in exports or imports, yet as that country causes the great demand for European woollens in particular, and is, on many accounts, of more consideration in a commercial point of view than Nepal, we shall give some details relative to the trade with it, through Nepal, analogous to those we have already furnished respecting the trade with Nepal itself.
THE COMMERCE OF NEPAL.

The duties upon the Bhote trade are levied by government through its own officers, not farmed, like the duties on the trade with the plains. Goods of the plains (whether the produce of Europe or India,) exported through Népál to Bhote, are made up into packages or bākkōos, of sixteen dhārnīs, or forty-eight seers only, owing to the extreme difficulties of the road, which will not permit a man to carry more than that weight upon his back; and there are no other means whatever of conveyance, until the Himalaya has been passed. Upon these bākkōos or loads the duty is levied, and amounts to Paisa rupees 1-0-1 per bākkōo, for all articles alike. The duty is levied at the Taksāṛ or Mint, and the collector is familiarly called Taksāṛ in consequence. The details of duty of the 1-0-1 are these:

\[
\begin{array}{ll}
\text{Taksāṛ} & 0 0 0 \\
\text{Nikāḍi} & 0 1 0 \\
\text{Bahidāṛ} & 0 0 1 \\
\end{array}
\]

Paisa Rupees \(\begin{array}{ll}
1 & 0 1 \\
\end{array} \) = Sicas 0 10 10

Upon payment of this sum to the Taksāṛ, that officer furnishes the merchant with a passport, which will pass his goods, free, to the frontier of Bhot or Tibet.

The chief exports to Bhote are:—European broad cloths (crimson, green, orange, liver, and brown-coloured), cutlery, pearls, coral, diamonds, emeralds, indigo and opium. Goods imported into Népál from Bhote (no duty levied there) pay to the Taksāṛ at Kathmándū as follows:

Musk pods, per seer (in kind) \(\frac{1}{2}\) tolaha.
Gold, per tolah \(\frac{1}{10}\) anna.

Silver is all necessarily sold to the Taksāṛ and is received at the Sicca weight, paid for at the Népāl or Mohúr weight, difference three annas.

\[
\text{Articles} \qquad \text{Duty.}
\]

<table>
<thead>
<tr>
<th>Articles</th>
<th>Duty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chours, white</td>
<td>... ... ... ... ... ... per dhārmī 4 annas.</td>
</tr>
<tr>
<td>Ditto, black</td>
<td>... ... ... ... ... 3</td>
</tr>
<tr>
<td>Chinese and Bhotea velvets, woolens, satins, silk thread, and raw silk</td>
<td>... ... ... ... ... ... per cent. 4 rupees</td>
</tr>
<tr>
<td>Garbeeth, &amp;c.</td>
<td>... ... ... ... ... 4</td>
</tr>
<tr>
<td>Borax</td>
<td>... ... ... ... ... 4</td>
</tr>
<tr>
<td>Chinese and Bhotea teas</td>
<td>... ... ... ... ... 4</td>
</tr>
<tr>
<td>Drugs</td>
<td>... ... ... ... ... 4</td>
</tr>
</tbody>
</table>

From Kathmándū to Bhoté frontier, or rather, to the frontier marts of Kooti and of Keroong, there are two roads, one of which is called the Keroong and the other the Kooti way, after the marts in question, which are respectable Botea towns.

The following are the stages and expenses:—Kathmándú to Kooti, eight stages, sixteen dhārmīs, or forty-eight seers, a man’s load. His hire, 2 rupees of Népál—or Sicas 1-10-0 for the trip.

The stages are Sankhoo, \(\frac{3}{4}\) cos; to Sipa, \(\frac{7}{4}\) cos; to Choutra, 5 cos; to Maggar-
The load is the same as on the Kooti road and the hire of the carrier the same.

The Himalaya once passed, you come to a tolerably plain country, along which beasts of burden can travel laden. The usual carriage is on ponies and mules, which carry two bakkos of sixteen dhamis each, and can be hired for the trip, from Lhasa to the Nepal frontier, for twenty rupees of Bhote currency. They perform the journey in about a month, allowing for three or four days' halts.

P.S.—The Nepalese dhami is equal to three seers. The Nepalese rupee is worth thirteen annas. It is called, after an ancient dynasty, Mahendra Mally, or shortly and commonly Mohari. It is almost a mere nominal coin, from its scarcerness, the common currency consisting of half rupees or Mohara. The Bhote rupee is called Kala Mohari. It ought to be equal to the Nepalese, but is rendered five gundas less valuable by undue adulteration.
<table>
<thead>
<tr>
<th>ARTICLES</th>
<th>At what price purchased in Calcutta, or where manufactured or grown.</th>
<th>Estimated value cost of goods imported into Co.'s</th>
<th>At Net price paid in Nepalese Rupees</th>
<th>Amount of goods imported to England</th>
<th>Amount of goods paid for in all</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>European crimson velvet</td>
<td>From 5 to 18 Rs. per yard.</td>
<td>18,000</td>
<td>26,000</td>
<td>2,000</td>
<td>24,000</td>
<td>The Tibetans care not for our velvets, but they are much admired by the Népalése, both males and females. Ladies wear velvet bodies; gentlemen velvet caps and jackets. Scabbards and saddles are covered with velvets.</td>
</tr>
<tr>
<td>&quot; blue and green ditto.</td>
<td>&quot; 8 &quot; 12 &quot;</td>
<td>8,000</td>
<td>12,000</td>
<td>4,000</td>
<td>12,000</td>
<td></td>
</tr>
<tr>
<td>&quot; black ditto</td>
<td>&quot; 5 &quot; 9 &quot;</td>
<td>4,000</td>
<td>4,000</td>
<td>None</td>
<td>8,000</td>
<td></td>
</tr>
<tr>
<td>&quot; brown, liver, and abiree ditto</td>
<td>&quot; 5 &quot; 10 &quot;</td>
<td>5,000</td>
<td>10,000</td>
<td>2,000</td>
<td>8,000</td>
<td></td>
</tr>
<tr>
<td>Broad cloth of scarlet colour</td>
<td>&quot; 2½ &quot; 10 &quot;</td>
<td>30,000</td>
<td>60,000</td>
<td>10,000</td>
<td>50,000</td>
<td></td>
</tr>
<tr>
<td>&quot; green ditto</td>
<td>&quot; 2 &quot; 12 &quot;</td>
<td>20,000</td>
<td>40,000</td>
<td>25,000</td>
<td>15,000</td>
<td></td>
</tr>
<tr>
<td>&quot; brown ditto</td>
<td>&quot; 2½ &quot; 6 &quot;</td>
<td>25,000</td>
<td>50,000</td>
<td>20,000</td>
<td>30,000</td>
<td></td>
</tr>
<tr>
<td>&quot; black ditto</td>
<td>&quot; 3 &quot; 9 &quot;</td>
<td>8,000</td>
<td>16,000</td>
<td>None</td>
<td>16,000</td>
<td></td>
</tr>
<tr>
<td>&quot; blue ditto</td>
<td>&quot; 3 &quot; 11 &quot;</td>
<td>21,000</td>
<td>42,000</td>
<td>2,000</td>
<td>40,000</td>
<td></td>
</tr>
<tr>
<td>&quot; liver, yellow, and abiree ditto</td>
<td>&quot; 2½ &quot; 4 &quot;</td>
<td>16,000</td>
<td>32,000</td>
<td>3,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Europe shawls</td>
<td>&quot; 6 &quot; 25 &quot; per piece.</td>
<td>2,000</td>
<td>4,000</td>
<td>None</td>
<td>4,000</td>
<td></td>
</tr>
<tr>
<td>&quot; rumal</td>
<td>&quot; 1½ &quot; 2 &quot;</td>
<td>1,000</td>
<td>2,000</td>
<td>&quot;</td>
<td>2,000</td>
<td></td>
</tr>
<tr>
<td>&quot; satin</td>
<td>&quot; 1½ &quot; 2 &quot;</td>
<td>2,500</td>
<td>5,000</td>
<td>&quot;</td>
<td>5,000</td>
<td></td>
</tr>
<tr>
<td>&quot; chintzes, 1½ by 28 yds.</td>
<td>&quot; 4 &quot; 14 &quot;</td>
<td>22,000</td>
<td>44,000</td>
<td>2,000</td>
<td>42,000</td>
<td></td>
</tr>
<tr>
<td>French ditto, 1 by 14 to 24 yds.</td>
<td>&quot; 14 &quot; 80 &quot;</td>
<td>8,000</td>
<td>16,000</td>
<td>1,000</td>
<td>15,000</td>
<td></td>
</tr>
<tr>
<td>Country ditto, from Tanda, Barelly, Furruckabad, &amp;c., 1½ to 2 by 6 to 9 yards</td>
<td>&quot; 1½ &quot; 4 &quot;</td>
<td>2,00,000</td>
<td>3,00,000</td>
<td>5,000</td>
<td>2,95,000</td>
<td></td>
</tr>
</tbody>
</table>
| In Tibet all ranks and both sexes wear woollens throughout the year, and almost exclusively of other apparel; yet the only
<table>
<thead>
<tr>
<th>ARTICLES</th>
<th>At what price purchased in Calcutta, or where manufactured or grown.</th>
<th>Indicated price of goods imported in Co.'s Rupees</th>
<th>At what price sold in Nepalese Rupees</th>
<th>Amount of goods transported to India in Rupees</th>
<th>Amount of goods sold in Nepal in Rupees</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe cambries, 1 by 12 yards</td>
<td>&quot; 5 &quot; &quot; 12 &quot;</td>
<td>17,000</td>
<td>34,000</td>
<td>1,200</td>
<td>32,800</td>
<td>native manufactures of woollen cloths are of the most inferior quality and insufferable weight.</td>
</tr>
<tr>
<td>&quot; long cloth, 1 by 24 yds.</td>
<td>&quot; 6 &quot; &quot; 10 &quot;</td>
<td>6,000</td>
<td>12,000</td>
<td>2,000</td>
<td>10,000</td>
<td>Nor is the total deficiency of good broad cloths capable of being supplied by the Chinese, who use not, nor make, woollens.</td>
</tr>
<tr>
<td>&quot; leno cloth, 1 by 10 yds.</td>
<td>&quot; 2½ &quot; &quot; 9 &quot;</td>
<td>16,000</td>
<td>32,000</td>
<td>2,000</td>
<td>30,000</td>
<td>Tibetan only receives a small quantity of Toos and Maleeda from China; and those cloths, though made of fine wool, are of poor, loose-textured, flannel-like manufacture.</td>
</tr>
<tr>
<td>Dacca jamdance, 1 by 10 yards.</td>
<td>&quot; 10 &quot; &quot; 10 &quot;</td>
<td>5,000</td>
<td>10,000</td>
<td>None</td>
<td>5,000</td>
<td>How large, then, ought to be the demand for our broad cloths in Tibet, if sufficiently intelligent and active industry was employed in putting them within the reach of the Tibetans.</td>
</tr>
</tbody>
</table>
| Tanda jamdance                               | From 5 to 10 Rs. per piece.                                       | 5,000                                        | 7,500                                 | 500                                      | 7,000                                | "Our imitations of Indian handkerchiefs and Cashmere shawls are becoming very popular among the middle and lower orders in Népal."
| Dacca muslin, 1 by 18 yards.                | " 10 " " 15 "                                                     | 8,000                                        | 16,000                                | None                                     | 16,000                               | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."
| Muslin of Behar, Santipoor, Chandrakona, and Kopanow, 1 by 16 yards. | " 2 " " 10 "                                                     | 40,000                                       | 60,000                                | 500                                      | 50,500                               | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."
| Dacca Sahian, 1 by 18 yards.                | " 8 " " 8 "                                                      | 40,000                                       | 60,000                                | None                                     | 80,000                               | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."
| Sahian cloth of Santipoor, Chandrakona, Jahana, Kopanow, and Tanda, etc., 1½ & 2 cubits by 12 and 18 yards. | " 1½ " " 8 "                                                      | 100,000                                      | 160,000                               | 5,000                                    | 145,000                              | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."
| Kora Gora cloth of Dhurbanga, Lanka, Jahana, and Majhduwa, etc., 1½ & 2 cubits by 14 and 20 yards. | " 1½ " " 6 "                                                      | 33,000                                       | 50,000                                | 500                                      | 49,000                               | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."
| Dacca Turban, 1½ span by 12                 | " 5 " " 15 "                                                     | 10,000                                       | 20,000                                | 300                                      | 19,000                               | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."
| and 30 yards                                | " 1½ " " 10 "                                                    | 30,000                                       | 45,000                                |                                          | 45,000                               | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."
| Turban of Kopanow and Jahana 1½ span by 20 and 40 yards. | " 1½ " " 4 "                                                      | 10,000                                       | 15,000                                | None                                     | 15,000                               | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."
| Gintee of Bykanpore and Jahana, etc., 1 cubit by 6 & 8 yds. | " 2 " " 8 "                                                      | 7,000                                        | 10,600                                |                                        | 10,500                               | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."
| Indian and English Doriah cloth 1 by 16 yards. | " 2½ " " 5 "                                                      | 7,000                                        | 14,000                                |                                          |                                      | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."
| Maldahsee cloth, 1 by 9 or 10 yds.          | " 2½ " " 5 "                                                      | 7,000                                        | 14,000                                |                                          |                                      | "English and Indian Chintzes are not worn at all in Tibet. Both are much worn in Népal by the middle and lower orders."

*Note:* The table provides a detailed list of various textile items along with their prices, indicating their procurement, manufacture, or import from different regions, and their disposal in Nepal and India.
<table>
<thead>
<tr>
<th>Item Description</th>
<th>Measurement</th>
<th>Price (Rs)</th>
<th>Price (Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moornahabad cloth stuffs of sorts</td>
<td>1 by 6 or 9 yards</td>
<td>12,000</td>
<td>24,000</td>
</tr>
<tr>
<td>Boolool Chasma Kumberbund of Malda</td>
<td>1 cubit by 6 yards</td>
<td>1,000</td>
<td>2,000</td>
</tr>
<tr>
<td>Radhanagarre and Bhaungilpoo ree, Soosy and Loonga cloth</td>
<td>1 by 6 yards</td>
<td>1,600</td>
<td>3,200</td>
</tr>
<tr>
<td>Benares Mushroo and Goobbadan</td>
<td>1 1/2 cubits by 6 yards</td>
<td>7,000</td>
<td>14,000</td>
</tr>
<tr>
<td>Benares Dhootees 2 of sorts, 21 1/2 cubits by 6 yards, with brocaded edges</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gya Dhootees, ditto ditto</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benares Kinkhabs, 1 by 6 or 6 yards</td>
<td>2 1/2, 4 p. ea. pr.</td>
<td>3,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Benares Bapattas, 1 by 5 yards</td>
<td>1 1/2, 3</td>
<td>2,000</td>
<td>4,000</td>
</tr>
<tr>
<td>Benares Doppattas, with brocaded edges, 1 1/2 by 2 by 6 or 1 1/2 yards</td>
<td>50 „400„ per piece.</td>
<td>28,000</td>
<td>56,000</td>
</tr>
<tr>
<td></td>
<td>20 „600„</td>
<td>4,000</td>
<td>8,000</td>
</tr>
<tr>
<td>Tash of Benares, Lucknow, and Patna</td>
<td>1 1/2 by 6 yards</td>
<td>5 „40„ each.</td>
<td>1,200</td>
</tr>
<tr>
<td>Golden Kallabutto</td>
<td>75 „300„ per piece.</td>
<td>8,000</td>
<td>16,000</td>
</tr>
<tr>
<td>Silver ditto</td>
<td>12 as „1„ per tolah</td>
<td>12,000</td>
<td>24,000</td>
</tr>
<tr>
<td>English lace and Indian Gotah and Kinaras of gold</td>
<td>1 1/2, 1 1/2</td>
<td>5,000</td>
<td>10,000</td>
</tr>
<tr>
<td>Ditto ditto of silver</td>
<td>2 1/2</td>
<td>22,000</td>
<td>44,000</td>
</tr>
<tr>
<td>Gold and silver Salmusitaras</td>
<td>12 as „1„</td>
<td>6,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Cashmeer and Amritsar Shalwars</td>
<td>20 „1000„ per piece.</td>
<td>45,000</td>
<td>90,000</td>
</tr>
<tr>
<td>Ditto ditto Rumals, 1 1/2 &amp; 2 1/2 yds</td>
<td>20 „150„</td>
<td>6,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Kalpi and Mirzaepoor Kharwa cloth, 12 cubits by 6 or 7 yds, Mirzaepoor and Patna Carpets, of sorts</td>
<td>14 as „1-12„</td>
<td>6,000</td>
<td>12,000</td>
</tr>
<tr>
<td></td>
<td>21 1/2, 50</td>
<td>4,000</td>
<td>8,000</td>
</tr>
<tr>
<td>Patna and Govindgunge Seringhees</td>
<td>1 „8„</td>
<td>1,900</td>
<td>2,400</td>
</tr>
</tbody>
</table>

Women make gowns of them, the men jackets and linings to jackets—to the latter use they are occasionally applied in Bhote. No kind of cotton stuffs, fine or coarse, are used as apparel in Tibet, and the little the Tibetans purchase, is wanted merely for covering the pictures with which the walls of sacred edifices are literally covered in Tibet. On the contrary, all classes in Nepal wear cotton wholly or partially throughout the year; and as Nepal has no native manufacture of any but very coarse sorts, there is a large demand for the finer fabrics, both of Europe and India. 2,400 Chintzes and Sahans are the kinds most used. The whole of the middle and upper classes are clad in foreign cottons. The poor manufacture, each family, their own supply of coarse goods. 44,000 The manufacture is purely and entirely domestic and peculiar to the females.

1 English lace, the beautiful silk and muslin fabrics of Benares, 12,000 brodered all round with gold or silver, and the splendid broacades 7,500 of the latter place are not much known or esteemed in Bhote. 8,000 They are all well-known and much esteemed in Nepal, but only to a very moderate extent within the
<table>
<thead>
<tr>
<th>ARTICLES</th>
<th>At what price purchased in Calcutta, or where manufactured or grown.</th>
<th>Estimated import cost in Co's Rupees</th>
<th>At what price sold in Nepal in Nepalese Rupees</th>
<th>Amount of goods consumed in all</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>English and Bengal silk thread, per seer of 80 Sa. Wt.</td>
<td>From 4 to 16 Rs. per seer. 22 &quot; 30 &quot; per md. 12 &quot; 16 &quot; per md. 25 &quot; 500 &quot; per seer. 10 &quot; 20 &quot; per searge. 1 &quot; 10 &quot; per searge.</td>
<td>12,000 4,000 32,000 40,000 22,000 13,000</td>
<td>24,000 None 8,000 60,000 None 80,000 30,000 30,000 26,000 20,000</td>
<td>None</td>
<td>24,000 means of the people. Every man, however, who can afford it, will have his cap banded with lace of silver or gold, and the Court annually consumes a considerable supply of brocaded goods of the finest qualities.</td>
</tr>
<tr>
<td>Cotton thread, Indian mostly.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6,800 Bhotes receive its supply of Shaws by way of Ladakh, to Nepal they come via the plains. All who can afford it wear them.</td>
</tr>
<tr>
<td>Cotton, raw, from Mirzapore.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>64,000 Kharwas are used for lining the dresses of the commonalty of Nepal and for their bed furniture.</td>
</tr>
<tr>
<td>Pearles (large)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50,000 The Nepalese manufacture cotton stuff as fine as Kharwa, but they cannot give them a permanent colour, such as Kharwa receives in the plains.</td>
</tr>
<tr>
<td>Ditto (middle-sized)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17,000 Bhote has long been a capital market for pearls and coral. All 20 women of rank wear the former and all the priests of rank carry rosaries of coral beads.</td>
</tr>
<tr>
<td>Ditto (small)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>15,000 The market, however, is now glutted.</td>
</tr>
<tr>
<td>Coral (large) 1½ to 2½ tolahs per bead</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>35,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Ditto (middle) 5 to 10 beads per tolah</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>37,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Ditto (small) 12 to 20 do. do.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Diamonds, Emeralds, Rubies, and Sapphires</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>17,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Neshapoori Feroza stone</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>15,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Cornelian</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>200 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Kohrohah or red amber.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Ditto yellow</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Ditto Kuppori Pooshah</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Poth or glass beads, of different colours</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Chank</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Large Crowies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3,500 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Kuldar gold Mohuri</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Golochan</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Indigo</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Otter skins</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12,000 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Green skins, of prepared leather for native shoes, etc.</td>
<td>From 3 to 6 as. each.</td>
<td></td>
<td></td>
<td></td>
<td>200 Gold Mohurs fetch at Kathmandu 25 rupees of Nepal each,</td>
</tr>
<tr>
<td>Item</td>
<td>Unit</td>
<td>Quantity 1</td>
<td>Quantity 2</td>
<td>Quantity 3</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-------</td>
<td>------------</td>
<td>------------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td>Saltpetre</td>
<td>1/2 Maund</td>
<td>40,000</td>
<td>80,000</td>
<td>1,200</td>
<td></td>
</tr>
<tr>
<td>Brimstone</td>
<td></td>
<td>6,000</td>
<td>12,000</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>Quicksilver</td>
<td></td>
<td>3,000</td>
<td>6,000</td>
<td>1,600</td>
<td></td>
</tr>
<tr>
<td>Vermilion cinnabar</td>
<td></td>
<td>3,000</td>
<td>6,000</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>China red lead</td>
<td></td>
<td>2,500</td>
<td>5,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country ditto</td>
<td></td>
<td>1,000</td>
<td>2,000</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Ruakapoor</td>
<td>8/12 Seer</td>
<td>800</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Camphire</td>
<td></td>
<td>7,000</td>
<td>14,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White sandal</td>
<td></td>
<td>4,000</td>
<td>8,000</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>Red ditto</td>
<td></td>
<td>2,000</td>
<td>4,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zangar or verdigris</td>
<td></td>
<td>5,000</td>
<td>10,000</td>
<td>1,200</td>
<td></td>
</tr>
<tr>
<td>White lead</td>
<td>2</td>
<td>3,000</td>
<td>6,000</td>
<td>1,500</td>
<td></td>
</tr>
<tr>
<td>Sankhia, Hartal, Tabkiah do.</td>
<td>4/3 Seer</td>
<td>4,000</td>
<td>8,000</td>
<td>2,000</td>
<td></td>
</tr>
<tr>
<td>Opium</td>
<td>3/4</td>
<td>500</td>
<td>1,000</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Ranga, Tin</td>
<td>12 Maund</td>
<td>16,000</td>
<td>32,000</td>
<td>1,500</td>
<td></td>
</tr>
<tr>
<td>Jasta, Pewter</td>
<td>4</td>
<td>18,000</td>
<td>36,000</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td>12</td>
<td>10,000</td>
<td>20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel</td>
<td>16</td>
<td>4,000</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gun flints, European</td>
<td>1 1/2</td>
<td>6,000</td>
<td>12,000</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>European-made guns, of sorts</td>
<td>250 300</td>
<td>11,000</td>
<td>22,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monghyr-made ditto</td>
<td>10 35</td>
<td>2,000</td>
<td>4,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English knives and scissors</td>
<td>4 as 2</td>
<td>1,200</td>
<td>2,400</td>
<td>300</td>
<td></td>
</tr>
</tbody>
</table>

The rupee in question being worth 13 annas and 4 pie.

Népál and Tibet are always very inadequately supplied with good indigo.

There is a very great demand for it just now in the latter country.

Saltpetre is produced in the Népáli Tarai, and brimstone in the hills, but neither in quantity equal to the demand of the government, who therefore prohibit all export to Tibet of that which comes from the plains. The transports or exports to Tibet are therefore clandestine.

Opium is in great demand in Tibet just now. A very insufficient quantity gets there at present. It is procured by the Népáli curiously, in the Tarai, from our ryots between the Narayani and Bagmati.

Népál is full of copper and iron and the people have great skill in working them. Tin, lead and zinc they get from below, and a variety of mixed metals. Népál produces plenty of zinc, but no skill to work the mines.

The whole Goorkha army, which is armed with muskets, is
<table>
<thead>
<tr>
<th>ARTICLES</th>
<th>At what price purchased in Calcutta, or where manufactured or grown.</th>
<th>Estimated quantity imported in Co's.</th>
<th>At what rate sold in Nepalese Rupees</th>
<th>Amount of goods brought.</th>
<th>Amount of goods consumed in Nepal.</th>
<th>REMARKS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>English needles, etc.</td>
<td>From 11 to 1½ Rs. per 100.</td>
<td>1,500</td>
<td>3,000</td>
<td>None</td>
<td>3,000</td>
<td>supplied with flints from below,</td>
</tr>
<tr>
<td>Ditto iron and brass-ware</td>
<td></td>
<td>600</td>
<td>1,200</td>
<td>“</td>
<td>1,200</td>
<td>chiefly from Calcutta.</td>
</tr>
<tr>
<td>Atter of Ghazepore, Jannapore, Choha oil ditto</td>
<td></td>
<td>6,000</td>
<td>12,000</td>
<td>None</td>
<td>12,000</td>
<td>For English fowling-pieces and</td>
</tr>
<tr>
<td>Keorah Water</td>
<td>1,200</td>
<td>1,200</td>
<td>2,400</td>
<td>“</td>
<td>2,400</td>
<td>hard-ware, there is always a con-</td>
</tr>
<tr>
<td>Abir</td>
<td>1,000</td>
<td>2,000</td>
<td>2,000</td>
<td>“</td>
<td>2,000</td>
<td>siderable demand in Nepal; guns</td>
</tr>
<tr>
<td>Saffron of Cashmear</td>
<td>5,000</td>
<td>10,000</td>
<td>10,000</td>
<td>“</td>
<td>10,000</td>
<td>priced between 250 to 500 rupees</td>
</tr>
<tr>
<td>Lobhan</td>
<td>1,500</td>
<td>3,000</td>
<td>3,000</td>
<td>“</td>
<td>3,000</td>
<td>sell very well, and so do good</td>
</tr>
<tr>
<td>Paun of Behar and Bengal</td>
<td>3,500</td>
<td>7,000</td>
<td>7,000</td>
<td>“</td>
<td>7,000</td>
<td>plain scissors and needles. Our</td>
</tr>
<tr>
<td>Coconaut Hookah bottoms</td>
<td>2,500</td>
<td>7,000</td>
<td>7,000</td>
<td>“</td>
<td>7,000</td>
<td>scissors are also in demand in</td>
</tr>
<tr>
<td>Almonds</td>
<td>600</td>
<td>1,200</td>
<td>1,200</td>
<td>“</td>
<td>1,200</td>
<td>Bhote, and if we would condescend</td>
</tr>
<tr>
<td>Dates</td>
<td>3,000</td>
<td>3,000</td>
<td>3,000</td>
<td>“</td>
<td>3,000</td>
<td>to work upon the models</td>
</tr>
<tr>
<td>Cocanuts</td>
<td>1,800</td>
<td>3,000</td>
<td>3,000</td>
<td>“</td>
<td>3,000</td>
<td>prescribed by the usage of these</td>
</tr>
<tr>
<td>Dakh raisins</td>
<td>3,000</td>
<td>6,000</td>
<td>6,000</td>
<td>“</td>
<td>6,000</td>
<td>countries, we might obtain a large</td>
</tr>
<tr>
<td>Makhanaan</td>
<td>700</td>
<td>1,000</td>
<td>1,000</td>
<td>“</td>
<td>1,000</td>
<td>vent in them for our hard-ware,</td>
</tr>
<tr>
<td>Desee betel nut</td>
<td>400</td>
<td>800</td>
<td>800</td>
<td>“</td>
<td>800</td>
<td>of most sorts.</td>
</tr>
<tr>
<td>Ditto ditto Dakheeni pepper,</td>
<td></td>
<td>5,000</td>
<td>10,000</td>
<td>“</td>
<td>500</td>
<td>Both Nepal and Tibet constantly</td>
</tr>
<tr>
<td>(Black)</td>
<td>20,000</td>
<td>4,000</td>
<td>8,000</td>
<td>“</td>
<td>9,600</td>
<td>require and consume a large quanti-</td>
</tr>
<tr>
<td>cloves</td>
<td></td>
<td>14,000</td>
<td>28,000</td>
<td>“</td>
<td>18,000</td>
<td>ty of tropical spicery, drugs and</td>
</tr>
<tr>
<td>Nutmegs</td>
<td></td>
<td>4,000</td>
<td>8,000</td>
<td>“</td>
<td>28,000</td>
<td>dried fruits, and both countries</td>
</tr>
<tr>
<td>Pepal.</td>
<td></td>
<td>800</td>
<td>1,600</td>
<td>“</td>
<td>7,000</td>
<td>repay India with large returns of</td>
</tr>
<tr>
<td>Assafetida</td>
<td></td>
<td>5,800</td>
<td>11,000</td>
<td>“</td>
<td>1,400</td>
<td>drugs and samples peculiar to</td>
</tr>
<tr>
<td>Mace</td>
<td></td>
<td>6,000</td>
<td>12,000</td>
<td>“</td>
<td>10,000</td>
<td>either region. Of the 10,000 num-</td>
</tr>
<tr>
<td>Cinnamon</td>
<td></td>
<td>2,500</td>
<td>5,000</td>
<td>“</td>
<td>1,000</td>
<td>ber and value of the medi-</td>
</tr>
<tr>
<td>Zeera.</td>
<td></td>
<td>2,000</td>
<td>4,000</td>
<td>“</td>
<td>5,000</td>
<td>cinal substances furnished to</td>
</tr>
<tr>
<td>Small Cardamumns</td>
<td></td>
<td>4,000</td>
<td>8,000</td>
<td>“</td>
<td>4,000</td>
<td>commerce by these countries, Euro-</td>
</tr>
<tr>
<td>Jetmudh or Moolhati</td>
<td></td>
<td>600</td>
<td>1,000</td>
<td>“</td>
<td>8,000</td>
<td>pean medical men are strangely</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,000</td>
<td>uninformed.</td>
</tr>
<tr>
<td>Item</td>
<td>Quantity</td>
<td>Rate per unit</td>
<td>Price</td>
<td>Type</td>
<td>Market Price</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
<td>----------</td>
<td>---------------------</td>
<td>--------</td>
<td>------</td>
<td>--------------</td>
<td></td>
</tr>
<tr>
<td>Gugal</td>
<td>6</td>
<td>7 Rs. per maund.</td>
<td>600</td>
<td>1,200</td>
<td>None</td>
<td>1,200</td>
</tr>
<tr>
<td>Nasadar</td>
<td>7</td>
<td>9</td>
<td>1,200</td>
<td>2,400</td>
<td>2,400</td>
<td></td>
</tr>
<tr>
<td>Dry ginger</td>
<td>3</td>
<td>4</td>
<td>1,000</td>
<td>2,000</td>
<td>2,000</td>
<td></td>
</tr>
<tr>
<td>Mangrela or Kalonjee</td>
<td>21</td>
<td>3</td>
<td>300</td>
<td>600</td>
<td>600</td>
<td></td>
</tr>
<tr>
<td>Akarkora</td>
<td>18</td>
<td>22</td>
<td>300</td>
<td>600</td>
<td>600</td>
<td></td>
</tr>
<tr>
<td>Bakkam wood</td>
<td>9</td>
<td>11</td>
<td>2,500</td>
<td>5,000</td>
<td>5,000</td>
<td></td>
</tr>
<tr>
<td>Kusum flower</td>
<td>8</td>
<td>13</td>
<td>6,000</td>
<td>12,000</td>
<td>12,000</td>
<td></td>
</tr>
<tr>
<td>Tund ditto</td>
<td></td>
<td></td>
<td>500</td>
<td>1,000</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>Tutea</td>
<td></td>
<td></td>
<td>900</td>
<td>1,800</td>
<td>1,800</td>
<td></td>
</tr>
<tr>
<td>Surma</td>
<td></td>
<td>1 a. per tolah.</td>
<td>300</td>
<td>600</td>
<td>600</td>
<td></td>
</tr>
<tr>
<td>Moordiasanik</td>
<td></td>
<td>6</td>
<td>200</td>
<td>400</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>Mahawur</td>
<td></td>
<td>6 Rs. per maund.</td>
<td>250</td>
<td>500</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>Golali</td>
<td>15</td>
<td></td>
<td>150</td>
<td>3,000</td>
<td>3,000</td>
<td></td>
</tr>
<tr>
<td>Tokhumbelanga and Isphoghol</td>
<td></td>
<td></td>
<td>600</td>
<td>1,200</td>
<td>1,200</td>
<td></td>
</tr>
<tr>
<td>Sendhu salt</td>
<td></td>
<td>10</td>
<td>500</td>
<td>1,000</td>
<td>1,000</td>
<td></td>
</tr>
<tr>
<td>Kattah</td>
<td></td>
<td>3</td>
<td>400</td>
<td>800</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td>Soap, soft, Indian</td>
<td></td>
<td>8</td>
<td>1,200</td>
<td>2,400</td>
<td>2,400</td>
<td></td>
</tr>
<tr>
<td>Dry leaf, tobacco</td>
<td></td>
<td>7</td>
<td>10,000</td>
<td>20,000</td>
<td>8,000</td>
<td></td>
</tr>
<tr>
<td>Chooree and Tikoolee, from Benares and Ghazepore</td>
<td>4 as 2</td>
<td>per pair.</td>
<td>1,500</td>
<td>3,000</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Peacocks' feathers</td>
<td></td>
<td></td>
<td>400</td>
<td>800</td>
<td>800</td>
<td></td>
</tr>
<tr>
<td>Chapra Lakh</td>
<td></td>
<td>11 18 per maund.</td>
<td>500</td>
<td>1,000</td>
<td>1,000</td>
<td></td>
</tr>
</tbody>
</table>

*Within the last fifteen years the gentry of Népál have become universally horsemen.*

The Court makes large and regular purchases, and pays usually, not in money, but in elephants, the produce of its Tarai territories. This sort of barter answers equally well to both parties in the transaction.

*Small mirrors are in equal demand for Népál and for Tibet.*
### General Observation

Of the seven headings under which the information continued in this paper is arranged, the first and last speak for themselves, the others may be helped by illustration. The purpose of the second heading is, chiefly, to afford a useful hint as to the usual quality of the goods required for this market. A comparison of headings 3 and 4 will give the average profits upon the trade realized at Kâthmândô at this time, after allowance has been made for the difference of Kulidar and Népâlês rupees and for the expenses of duties and carriage on account of both, which latter may be seen in No. I., so far as the Népâlês Territories are concerned; and for the rest of the way, through our own territories, the means of accurate information are in everybody's hands. I may as well, however, observe, that according to the statements of Népâlês merchants of credit, the costs on account of Custom House charges, in our territories,*

*By Treaty they ought to be 24 only.

### Table

<table>
<thead>
<tr>
<th>Articles</th>
<th>At what price purchased in Calcutta, or where manufactured or grown.</th>
<th>At what price sold in Nepalese Rupees</th>
<th>Amount of goods transported to Brâhî</th>
<th>Amount of goods purchased.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hookah makes</td>
<td>From 1 a. to 1 Re. each.</td>
<td>250</td>
<td>600</td>
<td>None</td>
<td>600</td>
</tr>
<tr>
<td>Tazee horses</td>
<td>„ 300 „1200, „</td>
<td>30,000</td>
<td>60,000</td>
<td>„ 60,000</td>
<td>600</td>
</tr>
<tr>
<td>Indian horse apparatus</td>
<td>„ 8 „12 „</td>
<td>1,000</td>
<td>2,000</td>
<td>„ 2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>Buffaloes</td>
<td>„ 6 „14 „</td>
<td>41,000</td>
<td>123,000</td>
<td>„ 123,000</td>
<td>123,000</td>
</tr>
<tr>
<td>Goats, etc.</td>
<td>„ 6 „12 „</td>
<td>11,500</td>
<td>34,500</td>
<td>„ 34,500</td>
<td>34,500</td>
</tr>
<tr>
<td>Arbur doll</td>
<td>„ 1 „ per maund.</td>
<td>500</td>
<td>1,000</td>
<td>„ 1,000</td>
<td>1,000</td>
</tr>
<tr>
<td>Sugar</td>
<td>„ 5 „7 „</td>
<td>5,000</td>
<td>12,000</td>
<td>1,000</td>
<td>10,200</td>
</tr>
<tr>
<td>Sugar candy</td>
<td>„ 15 „18 „</td>
<td>3,000</td>
<td>6,000</td>
<td>None</td>
<td>6,000</td>
</tr>
<tr>
<td>English looking-glasses</td>
<td>„ 1 a. „15 „ each.</td>
<td>3,000</td>
<td>6,000</td>
<td>400</td>
<td>8,000</td>
</tr>
<tr>
<td>English glass-ware</td>
<td>„ 6 „12 „</td>
<td>5,000</td>
<td>10,000</td>
<td>2,000</td>
<td>8,000</td>
</tr>
</tbody>
</table>

Grand Total Rs. 16,11,000/30,80,600 3,58,900/27,03,000
reach 7 per cent. of the value of the goods, half of the sum being paid at Calcutta, and the other half to various of the Customs on the way up. Every Custom House examiner on the river, they affirm, must be propitiated, and no doubt there is some truth in this assertion. The more the pity! These two headings (3 and 4) may likewise, by showing the proportionate amounts of the several sorts of goods required, and by indicating, though less accurately of course, the total amounts of annual transactions, serve to regulate commercial adventure in the first instance, and afterwards to point out to the merchant and to the government, by collaboration with the known wants and means of their regions, the enlargement of which this commerce is probably capable. And by a reference to the same circumstances, in conjunction with the matter of headings 5 and 6, which show how much of the imports is consumed in Népáí, and how much transported to the North, the intelligent merchant may gather further hints for the guidance of his conduct both present and prospective, and Government further indications relative to the probable future importance of the commerce in question. Where there is no such thing as statistical records, or, at least, none accessible to the stranger, we must be contented with the best opinions and estimates within our reach; and those which I have given have been gathered with care from native merchants of high respectability. So much for the form of the paper. In regard to its substance, I know not that much can be added to the marginal remarks. It appears (columns 3 and 4), that whilst traffic is languishing all over the world, almost for want of compensating profits, the merchants of Népáí are procuring from 50 to 100 per cent. advance upon Calcutta prices at Káthmándú upon their speculations in European woollens, chintzes, hardware and glassware, as well as upon those in Indian cotton stuffs of all sorts, spicery, drugs, dyes, and pelagic produce, such as pearls and coral, and, in a word, upon the great mass of their commercial transactions. This fact, when taken in connection with the rapidity of the returns upon these speculations, is demonstrative of itself, that the trade in question is capable of an easy, immediate, and considerable extension. It must be remembered, however, that the 100 per cent. of profit in question is not actually such, but only 200 Népáli for 100 Sícka rupees, which proportion of 2 to 1, when reduced to one denomination of coin, is only * 27 to 16. It must be further remembered that this profit, or rather advance on Calcutta prices, is exclusive of the costs in duties and carriage. When, however, due allowance has been made on both these scores, there will still remain a net or real profit of 30 per cent., which is quite sufficient to support the inference based on it. There is one general remark in reference to the trade of Bhote that I cannot forbear making. It is this, that whereas, at present, of the whole goods imported from the plains, the greater portion is consumed in Népáí, and a small portion only transported to the North, the reverse of this ought naturally to be the case with reference to the relative means and wants of the two countries. But Népáí has already sensibly felt the benign influence of a pacific intercourse with us; Tibet has yet to receive it. Its indirect extension beyond the snows, however, though slower, must be equally certain with its prevalence on this side of them. Népáí being within the reach of those whom it concerns to note particulars relative to this commerce, I shall pass on to such as belong to the Tibetan branch of it, and observe that the great staples exported through Népáí to that country have heretofore been English broad oloth, pearls, and coral. Of the two latter, there is said to be just now a superfluity in Tibet, but the former in good demand. The * Popular standard—Calcutta assay gives the value of Sícka to Moháris thus:—100 of former to 135 of latter.
### TRADE OF NÉPAL. No. II.—EXPORTS.

Export (of Tibetan and Népalése Goods) to the Plains in 1830−31.

<table>
<thead>
<tr>
<th>ARTICLES.</th>
<th>Prices at Káthmandú in Népalése Rupees.</th>
<th>Estimated amount of imported, and exported from Népalése Rupees.</th>
<th>Produce of what place.</th>
<th>REMARKS.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold—</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st sort or Kundun</td>
<td>24 Rupees per tolah ........... 20,000</td>
<td>20,000 None</td>
<td>Tibet</td>
<td>Bringing Gold from Bhot to Népal answers well as a commercial speculation, chiefly owing to the intervention of the adulterated coin of Bhot. Transporting to the plains is not profitable, but Silver and Indian Rupees being prohibited, the merchants of Népal, who have now more to buy than to sell below, carry down Gold to meet the difference, since they can dispose of it without loss, and look to gain from the returns. The Gold brought from Bhot is usually very impure. The Népalése refine it and gain by the craft. Much is used for ornaments in Népal, little for coin.</td>
</tr>
<tr>
<td>2d sort</td>
<td>22 do. do. .......... 80,000</td>
<td>80,000 10,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3d sort</td>
<td>20 do. do. .......... 40,000</td>
<td>40,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4th sort or Bukkee</td>
<td>18 do. do. .......... 45,000</td>
<td>30,000 15,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5th sort (white or bad)</td>
<td>From 13 to 17 Rs. per tolah ....... 15,000</td>
<td>5,000 10,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silver</td>
<td>Paid by Government Monopoly 15 and 14½ per old Kuldar weight .......... 10,000</td>
<td>None 10,000</td>
<td>Ditto</td>
<td>The chief coinage of Népal is of Silver, and much less than is required comes from the North, hence its transport to the Plains is prohibited, and all that is brought here is necessarily made over to the Government, which, with a shortsighted policy, perpetuating the short supply,</td>
</tr>
<tr>
<td>Product</td>
<td>Rate per Weight</td>
<td>Weight</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------</td>
<td>-----------------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1st sort or Kagae</td>
<td>35,000</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2d ditto or Gaunta</td>
<td>45,000</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3d ditto or Kachare</td>
<td>60,000</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4th ditto or Nekhana, or 2½ Muskh free of the Pod.</td>
<td>80,000</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5th ditto</td>
<td>90,000</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:**
- 1 Rupee = 100 Annas
- 1 Shoon = 10 Rupees
- 1 Do. = 8 Shoons
- 1 Rupee = 113 Kuldara
- 1 Kuldara = 1.125 Rupees

The Silver is weighed against old Kuldara, and paid for in Nepalese Rupees at 113 per 100 Kuldara. The Bazar rate is 120, the Calcutta assay 135½ nearly.

**Bhot or Tibet** produces the finest Musk, Rhubarb, and Borax in the world. Borax is, I think, an exclusive product of Tibet. A deal of Rhubarb is exported from Bhot for Europe via Siberia and Russia, and also via China and the Ocean. It would answer well to get it via Nepal, but Europeans have never sought it hence, and the natives know not its use. The European demand for Musk is very slack now—has it lost its repute as a medicine?

The Paper of Nepal is an admirable article, which ought to be substituted for the flimsy paper of the Plains, for the records of every Office in Bengal.

In the Pharmacy of India, Mahomedan as well as Hindu, the drugs of the Kachar and of Tibet enjoy the highest repute, many selling far above their weight in gold, and in great quantities. European medical men seem utterly ignorant of them, though they are to be found in most of the druggists' shops of the great cities of India.
<table>
<thead>
<tr>
<th>Articles</th>
<th>Prices at Kathmandú in Nepalese Rupees</th>
<th>Exported Annual Amount in Nepalese Rupees</th>
<th>Produce of what place</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bikhma</td>
<td>From 6 to 8 as. per seer</td>
<td>2,500</td>
<td>500</td>
<td>Kachar</td>
</tr>
<tr>
<td>Nirbisi</td>
<td>1 Re. do. do.</td>
<td>800</td>
<td>500</td>
<td>Kathai</td>
</tr>
<tr>
<td>Dadmela</td>
<td>From 3 to 4 as. do. do.</td>
<td>1,000</td>
<td>500</td>
<td>Kachar</td>
</tr>
<tr>
<td>Jatamangai</td>
<td>Do. 8 to 12 do. do. do.</td>
<td>10,000</td>
<td>300</td>
<td>Kachar</td>
</tr>
<tr>
<td>Kutki</td>
<td>3 annas do. do.</td>
<td>2,500</td>
<td>2,000</td>
<td>Ditto and Kooti Helma, Listy, Kathai, and Lekh</td>
</tr>
<tr>
<td>Mehr Gya</td>
<td>From 130 to 150 Rs. p. tolah</td>
<td>5,000</td>
<td>None</td>
<td>China</td>
</tr>
<tr>
<td>Tsamco</td>
<td>Caret</td>
<td>5,000</td>
<td>Caret</td>
<td>Kathai</td>
</tr>
<tr>
<td>Chitraltah</td>
<td>6 as. per seer</td>
<td>2,500</td>
<td>500</td>
<td>Kathai</td>
</tr>
<tr>
<td>Mamira</td>
<td>From 2 to 4 as. per tolah</td>
<td>700</td>
<td>400</td>
<td>Kathai</td>
</tr>
<tr>
<td>Tea</td>
<td>Do. 2 to 3 Rs. per seer</td>
<td>4,500</td>
<td>2,000</td>
<td>Tibet</td>
</tr>
<tr>
<td>Walnut</td>
<td>1 Re. per hundred</td>
<td>1,400</td>
<td>1,000</td>
<td>Tibet</td>
</tr>
<tr>
<td>Halva Bedud</td>
<td>From 1½ to 2 Rs. per seer</td>
<td>1,600</td>
<td>1,000</td>
<td>Ditto and Kachar</td>
</tr>
<tr>
<td>Dakh Raisins</td>
<td>2 Rs. do. do.</td>
<td>1,000</td>
<td>None</td>
<td>Ditto</td>
</tr>
<tr>
<td>Bhoten Bair</td>
<td>Do. 1 to ½ Rs. do. do.</td>
<td>400</td>
<td>200</td>
<td>Ditto</td>
</tr>
<tr>
<td>Salt (Rock)</td>
<td>3 annas do. do.</td>
<td>1,50,000</td>
<td>1,50,000</td>
<td>Ditto</td>
</tr>
<tr>
<td>Cow-tail (white)</td>
<td>From 1½ to 2 Rs. do. do.</td>
<td>27,000</td>
<td>1,000</td>
<td>Ditto</td>
</tr>
<tr>
<td>Ditto (black)</td>
<td>Do. 1 to ½ do. do. do.</td>
<td>25,000</td>
<td>1,000</td>
<td>Ditto</td>
</tr>
<tr>
<td>Shawl</td>
<td>Do. 60 to 100 Rs. pr. pair.</td>
<td>2,000</td>
<td>2,000</td>
<td>Ladak</td>
</tr>
</tbody>
</table>

No. II.—(Continued.)

The Tea is chiefly produced in Szechuan, and is commonly compacted into cakes, like Chocolate, or Cocoa. The Bhotas universally consume the substance of the Tea triturated and made up for convenience of carriage as above noted, and not like us and the Chinese; the mere infusion. Tea, however, such as we purchase in China, may be had at Lhasa in any quantity that is called for, and some of it is annually brought to Nepal.

All Nepal proper and its adjacencies is supplied with Salt from Tibet. It is Rock Salt, and very good. The Government levies no duty on it. As there cannot be less than 100,000 families in the limits contemplated, nor the families con-
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toos, ½ by 30 yards</td>
<td>Do. 24 to 45 Rs. pr. piece</td>
<td>5,000</td>
</tr>
<tr>
<td>Ditto ditto</td>
<td>Do. 15 to 21 Rs. pr. piece</td>
<td>3,500</td>
</tr>
<tr>
<td>Malidah, ½ by 12 yards</td>
<td>Do. 14 to 24 Rs. pr. piece</td>
<td>4,000</td>
</tr>
<tr>
<td>Namdah, ½ by 2 yards</td>
<td>Do. 8 to 12 Rs. pr. piece</td>
<td>2,000</td>
</tr>
<tr>
<td>Pankhi, 1 cubit by 6 to 9 yards</td>
<td>Do. 1½ to 3 Rs. pr. piece</td>
<td>2,500</td>
</tr>
<tr>
<td>Bhot Blanket, 1 by 15 cubits</td>
<td>Do. 2 to 3 Rs. pr. piece</td>
<td>5,000</td>
</tr>
<tr>
<td>Bahri Blanket</td>
<td>Do. 2 to 4½ Rs. pr. piece</td>
<td>7,000</td>
</tr>
<tr>
<td>Chourpput</td>
<td>Do. 1 to 1½ Rs. pr. piece</td>
<td>800</td>
</tr>
<tr>
<td>Nambo, 1 span by 22 yards</td>
<td>Do. 4½ to 16 Rs. pr. piece</td>
<td>8,000</td>
</tr>
<tr>
<td>Tur or Sambur</td>
<td>Do. 60 to 80 Rs. pr. piece</td>
<td>4,500</td>
</tr>
<tr>
<td>Kakun (a kind of fur)</td>
<td>Do. 80 to 150 Rs. pr. piece</td>
<td>2,800</td>
</tr>
<tr>
<td>Choorsa Khal</td>
<td>From 40 to 80 Rs. each</td>
<td>2,500</td>
</tr>
<tr>
<td>Garboot (Pelt)</td>
<td>Do. 12 to 23 Rs. pr. piece</td>
<td>700</td>
</tr>
<tr>
<td>Cochran or Satin</td>
<td>Do. 2½ to 6 Rs. pr. yard</td>
<td>15,000</td>
</tr>
<tr>
<td>Bhoolosa and Samsu (Silks)</td>
<td>Do. 4½ to 6 Rs. pr. piece</td>
<td>2,000</td>
</tr>
<tr>
<td>Velvet of Pechin</td>
<td>Do. 8 to 16 Rs. pr. piece</td>
<td>3,000</td>
</tr>
<tr>
<td>Kummerbund (Silk)</td>
<td>Do. 9 to 13 Rs. pr. piece</td>
<td>500</td>
</tr>
<tr>
<td>China Sewing Silk</td>
<td>8 annas per tolah</td>
<td>1,200</td>
</tr>
<tr>
<td>Sphatic or Crystal</td>
<td>From 1-5 to 2 Rs. pr. piece</td>
<td>2,500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1,000</td>
</tr>
</tbody>
</table>

**Notes:**
- **Pechin:** Siling
- **Lhāsa:** Ditto
- **Kachar:** Kooti, Keroong, and Ditto ditto
- **Ditto ditto:** Ditto ditto
- **Lhāsa:** Ditto ditto
- **China:** Ditto
- **Ditto ditto:** Bhoolosa and Samsu are much used by the Népalese women, but the Satins, Silks, and Velvets of China are in Népal generally giving way before our Broad Cloths and Velvets. Comes through Lhāsa.

**Observations:**
- Toos and Malidah are loosely woven, flannel-like, very narrow cloths, made of excellent wool—wretched substitutes for good Broad Cloth, but the best within the ordinary reach of the Bhotas, who, though they all wear woollens throughout the year, have not a single good manufacture of their own, nor can China furnish them with anything better than Toos and Malidah. Half the nation would be clothed by Britain if such commercial relations as time and prudent activity may establish prevailed. The Toos and Malidah sell at a good profit in the Plains, Sircars, and upper servants liking them for chudders. Namdah and the rest to Nambo are blankets of good wool, but very coarse and heavy, save the Chourpput, which is light and finer. It is made of the inner coat of the chowree ox or yak: the others of sheeps' wool. The Kachar blankets sell well in the plains to the poor, being warmer and more durable than Indian blankets. Some of the former are felted, not woven.
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Yù or Oriental jade</td>
<td>700</td>
<td>200</td>
<td>500</td>
<td>Lhásá Ditto</td>
</tr>
<tr>
<td>Sang-yesham</td>
<td>1,200</td>
<td>200</td>
<td>1,000</td>
<td>Ditto</td>
</tr>
<tr>
<td>Hawk (female)</td>
<td>From 25 to 40 Rs. each</td>
<td>12,000</td>
<td>10,000</td>
<td>2,000</td>
</tr>
<tr>
<td>Hawk (male)</td>
<td>Do. 15 to 26 do. do.</td>
<td>6,000</td>
<td>5,000</td>
<td>1,000</td>
</tr>
<tr>
<td>Tangan (Pony)</td>
<td>Do. 40 to 120 do. do.</td>
<td>10,000</td>
<td>7,000</td>
<td>3,000</td>
</tr>
<tr>
<td>Sheep and Goat, &amp;c. (Changra)</td>
<td>Sheep 1½ to 3 Rs. do.... Changra 1 to 1½ do.... Khasee 2½ to 5 do....</td>
<td>8,500</td>
<td>None</td>
<td>8,500</td>
</tr>
<tr>
<td>Copper Pots, &amp;c.</td>
<td>From 1 Re 10 as. to Rs. p. sr.</td>
<td>4,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper Piece</td>
<td>20 gundas per Rupee</td>
<td>250,000</td>
<td></td>
<td>Ditto</td>
</tr>
</tbody>
</table>

Vases, Sword-handles, Snuff Boxes, &c., come ready made of Yù. The unwrought stone is not brought. It is called oriental jade by its analyst.

The bird in question, known by the name of Baa below, and by the Tibetans called Säyi, is a large tractable species of the short-winged kind of true Hawk. It is by far the best known to Indian Falconry, and is sent all over the Deccan, as well as Hindostan. It is the Gos-hawk of Europeans. Female called Bär; male, Järra.

These mountains are not favourable to Sheep or Goats, and as the people consume a deal of their flesh, large numbers are annually brought to Nepál proper, both from the juxta Himalayan tracts where they flourish and from the Plains. None are exported.
<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mahindramalee Rupees</td>
<td>13 as. 4 p. Sicca each</td>
<td>2,20,000</td>
</tr>
<tr>
<td>Iron Phowras, Koodales, &amp;c.</td>
<td>From 4 to 5 seers pr. Rupee</td>
<td>5,000</td>
</tr>
<tr>
<td>Khookreeor Nepalese short Sword</td>
<td>Do. 8 as. to 10 Rs. each</td>
<td>1,000</td>
</tr>
<tr>
<td>Brass Pots, &amp;c.</td>
<td>1 Rs. 10 as. per seer</td>
<td>1,000</td>
</tr>
<tr>
<td>Elephants</td>
<td>From 100 to 700 Rupees per elephant</td>
<td>67,200</td>
</tr>
<tr>
<td>Ivory</td>
<td>Do. 1 Re. 4 as. to 2 Rs. p. seer</td>
<td>400</td>
</tr>
<tr>
<td>Bootwal, Horses</td>
<td>Do. 40 to 150 Rs. each</td>
<td>45,000</td>
</tr>
<tr>
<td>Wax</td>
<td>Do. 12 as. to 1 do. pr. seer</td>
<td>7,000</td>
</tr>
<tr>
<td>Honey</td>
<td>Do. 5 to 8 as. do.</td>
<td>3,000</td>
</tr>
<tr>
<td>Ganja</td>
<td>Caret</td>
<td>3,500</td>
</tr>
<tr>
<td>Bhung</td>
<td>From 5 to 7 as. per maund</td>
<td>2,000</td>
</tr>
<tr>
<td>Harra, Bahera, Aonla</td>
<td>Do. 8 to 12 as. do.</td>
<td>3,000</td>
</tr>
<tr>
<td>Small Harra</td>
<td>Do. 3 to 4½ Rs. do.</td>
<td>5,000</td>
</tr>
<tr>
<td>Bootwal Chasas</td>
<td>Do. 3 to 3½ do. do.</td>
<td>4,500</td>
</tr>
<tr>
<td>Large Cardamoms</td>
<td>Do. 5 to 6½ do. do.</td>
<td>6,000</td>
</tr>
<tr>
<td>Chararitah</td>
<td>Caret</td>
<td>2,000</td>
</tr>
<tr>
<td>Resin of the Saul tree</td>
<td>4 Rupees per maund</td>
<td>12,000</td>
</tr>
<tr>
<td>Taj</td>
<td>From 1 to 2 Rs. do.</td>
<td>2,500</td>
</tr>
<tr>
<td>Tenpaut</td>
<td>Do. do.</td>
<td>4,000</td>
</tr>
<tr>
<td>Pipsali</td>
<td>From 5 to 6 Rs. do.</td>
<td>3,000</td>
</tr>
<tr>
<td>Kuth (Terrajapon)</td>
<td>Caret</td>
<td>4,500</td>
</tr>
<tr>
<td>Moosali, Chiriakand, &amp;c.</td>
<td>1 Rupee per bullock-load</td>
<td>1,200</td>
</tr>
<tr>
<td>Stag Horn</td>
<td>From 1 to 2 as. per horn</td>
<td>1,200</td>
</tr>
</tbody>
</table>

Mahindramalee Rupees are the Rupees of Nepal. They are exported only, because the exportation of Sicas or of Silver is prohibited. At Kathmandu the exchange in the bazar against Sicas is fixed by authority at 120 to 100. It ought to be by Calcutta assay 135 to 100, and in the Tarai the Nepalese merchants are glad to get 100 Sicas for 130 Mahindramalees. Nepal is full of fine copper, and supplies copper currency to the whole tract of the plains between the Ganges and the Hills, Monghyr and Pilibehet. Iron too abounds in Nepal, and much coarse Hardware is exported to the same tract of the plains.

There are Lead, Sulphur, and Zinc mines in Nepal, but no skill to work them profitably. A deal of each is imported from the plains, and also of Tin, with which last, and with the Zinc got from us, the Nepalese mix their own Copper, and make a great variety of mixed metals in a superior style.

From the article Copper Pots to the end, the whole are the produce of Nepal, except the silver of the Nepalese Rupees. Of course, therefore, the column indicating the quantities imported from Tibet is blank, and as the entire almost of the articles produced in the Nepalese Tarai is exported to the plains, and no part of them consumed in Nepal, the column indicating local consumption is likewise a blank. It was not thought worth while to alter the form of the paper for the sake of these articles, which have no interest for the great foreign merchant.
The Népalese Saal Forest is an inexhaustible mine of timber. Saal and Sissoo are the most valuable kinds of produce.

The open low lands of Népal have been wonderfully reanimated by the continued peace and alliance with our Government, and the energy of the Népalese administration since 1816. No regular troops are maintained there by the Government, and the Civil establishment is on a very moderate scale, nor do any of the mountaineers holding lands reside there. The whole net produce of the land, consequently, is exported to Patna, &c., and chiefly on Government account. It is paid for in money therefore, and these low lands not only supply the Government of Népal with bullion for its currency, but enable it to furnish itself with the luxuries of the plains, and to maintain the balance of a trade which, so far as the hill produce is concerned, is always apt to be against Népal.

<table>
<thead>
<tr>
<th>ARTICLES</th>
<th>Prices at Katmandú in Népal Rupees</th>
<th>Estimated amount of Tyburn in Népal Rupees</th>
<th>Estimated total amount of Export of Timber in Népal Rupees</th>
<th>Produce of what place</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deer Skins</td>
<td>Carat</td>
<td>1,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Timber</td>
<td>Carat</td>
<td>3,000,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grain</td>
<td>Carat</td>
<td>6,000,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ox and Buffalo Skins</td>
<td>Carat</td>
<td>1,000,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Do. Horns</td>
<td>Carat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Népal Rupees........... 7,27,400 19,77,800 3,12,700

Sisso Rupees........... 6,06,16,610 10,64,335 6,42,683 54

(Signed) B. H. HODGSON,
Officiating Resident.
In regard to the trade of Népāl, or rather to the trade through Népāl, the principal objects of interest for the foreign merchant of every country, and especially for the European merchant, must be the production and consumption of the great Trans-Himalayan countries. On this account I have arranged the information I possess relative to the exports under heads calculated to show where the articles exported through Népāl are produced; what quantity of them is, at present, consumed in Népāl; and what quantity is transmitted to the plains. But I have adhered to the Kāthmandū prices, because I know not the prices of Tibet, and because, for the immediate benefit of those for whom I write, the Kāthmandū prices will suffice. It appears by Part I., that the prime cost value of Imports from the South per annum is 16,11,000 Sicca Rupees; by Part II., that the value of the Annual Exports to the South at Kāthmandū is 12,77,800 of Népālse Rupees, which last sum is equivalent to 10,64,833-6-4 of Sicca Rupees. And as this disparity, if not supposed to be counterpoised, as I pretend not to say it is, by a “favourable balance” upon the Northern branch of the Trade, may excite sceptical remark, I must observe first, that the Imports of 1830-31 from the South were raised one and a half lakhs above the ordinary standard, with reference to the Trade in general, by an extraordinary amount of purchases on the part of the Government. With reference to those unusual purchases, I would suggest the following reductions to those who wish to form an exact idea as possible of the present average imports:

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity (Sicca Rupees)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Velvets</td>
<td>5,000</td>
</tr>
<tr>
<td>Kimkhas</td>
<td>12,000</td>
</tr>
<tr>
<td>Pearls</td>
<td>15,000</td>
</tr>
<tr>
<td>Coral</td>
<td>25,000</td>
</tr>
<tr>
<td>Diamonds and Rubies</td>
<td>25,000</td>
</tr>
<tr>
<td>Saltpetre</td>
<td>20,000</td>
</tr>
<tr>
<td>Horses</td>
<td>20,000</td>
</tr>
</tbody>
</table>

1,22,000 Sicca Rupees.

Let us say, then, that the Imports are reduced from 16,11,000 to fifteen lakhs of Siccas, and that the Exports remain at 10,64,833 Siccas as before, the difference is about four and a half lakhs; and upon this I confess I have no accurate information to supply. Statistical documents alone could supply, with precise accuracy, the amount of Imports and Exports; none such have I the means of referring to. Let, then, the rest of the information contained in both parts of No. II. be taken as trustworthy, and let no further reliance be placed upon the totality of the transactions than its conjectural character may seem to warrant. It should be observed, however, that though the total amounts of Imports and Exports may err materially, the proportional amount of the several articles of them may still be nearly accurate, and such I verily believe they are; and being such, it is imagined they must be of material practical utility. For the rest, the marginal notes contain all the detailed information I have to supply upon the Exports of Népāl.

(Signed) B. H. HODGSON, Officiating Resident.

Népāl Residency.  |
The 1st December 1831.  |
(True Copies)        |
B. H. HODGSON.
INDEX.

ABHIDHÂNAOTTAROTĀRA, 19.
Āchārya, 30.
Abhouta Dharma, 15.
Adi Buddha, 27, 46 ff., 77, 83 ff.
His 32 lakshanas, 90.
His 80 vyanjanae, 91 f.
His 5 varnas, 91.
Ādi Dharmā, 116.
Ādi Prajnā, 85 ff.
Ādi Sangha, 88.
Aiswarika system, 23 ff., 55 ff., et passim.
Ākāśa, 92.
Ākāsa, 74 ff., 104 f.
Ānandā, 12.
Anupāpādika Buddhā, 27.
Apparāmita Dhāranī, 18, 32.
Arhat, 30, 32, 70 f.
Artha, 92.
Āryā Bhāgavati, 16.
Ashta Sāhasrika, 12 f.
--- Prajnā Prārāmitā, 16.
--- Vyākhyā, 16.
Asoka Avadāna, 17.
Asva Ghoṣa, 127 ff.
Atman, 75.
Avadāna, 15.
Avatāra, 47 f.
Avidyā, 16, 79 ff., 89, 105 ff.
Bala, 92.
Bandīja, 30 ff., 51, 63 f., 71, 139.
Bauḍhika literature, 9 ff.
Bhādrakalpika, 17.
Dhanaj Mola, 8 f., 14.
Bhikṣu, 30, 62, 63, 71.
Bhot, 7, 22.
Bhotiya language, 3 ff., 22, ii., 29 ff.
Bhotiya characters, 9 ff.
Bhotiya works, list of, 20 f.
Bhūtānī, ii., 29 ff.
Bhuvanas, 42 ff., 76, 91.
Bodhicaryā, 19, 68.
Bodhijñāna, 16, 59, 61 f.
Bodhisaṭṭha, 62, 74, 77.
Bāja, ii., 61 f.
Brahmān, ii., 39.
Buddha, 46 ff., 62, 72.

CAUSES OF GOOD AND EVIL, 50.
Chālaka, 30, 52, 64.
Chāitya, 29 ff., 49, 52, 54, 64, 71, 81, 136.
Chāitya Pungava, 19.
Chakṣa, ii., 66.
Chakṣu, 93.
Chepang language, 1, ii., 47 ff.
--- tribe, ii., 45 ff.
Circomambulation, 19.
Creation of the World, 42 f.

DAKSHINĀCHĀRA, 73.
Dāna, 15.
Dāsa Bhūmeswara, 13, 16, 49, 54.
Dāsa Śikhā, 142.
Deha, 44.
Dēnwār, ii., 62.
Dhāranā, 40.
Dhāranī, 18, 49.
Dhāranī Sangraha, 18.
Dhārma, 40 f., 55, 60, 72, 109, 113.
Dharmākāra, 116 ff.
Dharmapāla, 118.
Dhawjāgra Keyuri, 19.
Dhyāna, 25 ff., 42, 58, 61.
Dhyāni Buddha, 27, 58, 64.
Dhyāni Bodhisattva, 28 ff., 50.
Digambara, 40.
Dīvīyāvadāna, 20.
Drokpa, ii., 66.
Dwāvinaṣṭi Avadāna, 18.

EKTHĀRIAH, ii., 38 f., 43.
Export Trade of Nēpāl, ii., 114 ff.

FIVE BUDDHAS, 77.

GANDA VYŪHA, 13, 16, 49.
Gāthā, 14 f.
Geya, 14 f.
Gītā Pustaka, 20.
God's attributes, 45.
Gorkhā, ii., 40.
Gorkhāli, 2, ii., 52.
Graha Mātrikā, 19.
INDEX.

Guhya Sumagha, 17.
Guna Kâranda Vyûha, 17, 54.
Gûrung language, 1 ff., ii., 29 ff.
Gûrung tribe, ii., 39 ff., 44.
Gyâmi, ii., 65 ff.
Gyárang, ii., 65 ff.

Haiyu language, 1.
Haiyu tribe, ii., 46.
Himalaya, name, ii., 1; physical geography, ii., 1 ff.; population, ii., 13 ff.; zoology, ii., 16 ff.; aborigines, ii., 29 ff.; colonisation, ii., 83 ff.
Hor, Horpa, Horok, ii., 65 ff.

IMPORT TRADE OF NEPAL, ii., 105 ff.
Ityukta, 14 f.

Jâtaka, 15.
Jâtaka Mâla, 17.
Jnâna, 27 ff., 92.

Kachârî, 1.
Kalpatâvâdâna, 20.
Kanaka Munî, 119.
Kapûla, 2.
Kâranda Vyûha, 17, 54.
Karkotâka, 115.
Karma, 25, 74, 78 ff.
Kârmiya system, 23 ff., 41, 57, 78 ff.
Karuna Pundârika, 18.
Kasyapa, 12, 119.
Kâthinâvâdâna, 19.
Kâya, 92.
Khas language, 1 f., ii., 38 ff.
Khas tribe, ii., 28 ff., 37 ff.
Kîranti, 1 f.
Krâkucânda, 117 ff.
Krîyâ Sangrahâ, 9.
Kâhattriyâs, ii., 38 ff.
Kusunda language, 1.
Kusunda tribe, ii., 45 ff.
Kâswâr, ii., 61 f.
Kûtâgâra, 49.

Lalita Vistara, 13, 17, 49.
Lanâ, see Ranâja.
Lankâvatâra, 13, 49.
Lepcha, Lepcha, 1, ii., 29 ff.
Lhops, ii., 29 ff., 47 f.
Limbu, 1, ii., 29 ff.
Lîtawîs, 17.
Lokeywara Satakâ, 19.

Magar language, 1 f., ii., 29 ff.
Magar tribe, ii., 39 f., 43 f.

Mahâkâla Tantra, 19.
Mahâsûyatâ, 74.
Mahâvastu, 17.
Mahâyâna Sûtra, 11.
Mahâyânikâ Artbhas, 32, 60, 72, 86.
Mannsa, 78 ff.
Manichâra, 18.
Mânjhî, ii., 62.
Mânjñhoasha, 62.
Mânjunâtha, 62.
Mânsuri, 62, 116 ff.
Mânuśhij Buddha, 7.
Mânuśhij Bodhisattvas, 28 ff.
Mânyâk, ii., 65 ff.
Mâracharyâ, 68.
Matter, 44, 55.

Metempsychosis, 51.
Military tribes of Nepal, ii., 37 ff.
Moksha, 23, 45 ff., 50, 55, 84.
Mûrmi, 1, ii., 29 ff.

Nâgas, 115 ff.
Nâgapûjâ, 19.
Nâgavâsas, 115 ff.
Nava Dharmas, 12 ff., 49, 69.
Nâyaka, 63, 71, 140 f.
Nâyakot, ii., 55 ff.
Nâpâl languages, 1 ff.; written characters, 3 ff.; religion, 22 ff.; name, 51, 117; legendary history, 115 ff.; commerce, ii., 91 ff.

Newârâ, 1, 3 ff., 47, 63, ii., 29 ff.
Newârâ, 1 ff., 51, 62.
Nîlânâ, 14 f.
Nîlîpta, 63.
Nîrodha, 16.
Nîrvânas, 46, 82.
Nîrvrîttis, 16, 23 ff., 41, 45 ff., 55 ff., 74 ff., 104 f.

Nîvâsa, 19, 141.

OBJECTS OF BUDDHIST WORSHIP, 93 ff.
Origin of mankind, 43 ff., 79 ff.
Original language of Buddha scriptures, 66 f.

Pâli, 120 ff.
Pancha Abhâheka, 142 f.
Pancha Rasahâ, 18.
Pâramitâ, 13, 15, 91.
Parbattia, see Khâs.
Paurânikas, 73.
Paurânîka Buddha, 29.

Pindapâtra, 19.
INDEX.

Pindapātra Avadāna, 19.
Prachanda Deva, 118 f.
Prajñā, 42, 53, 56, 61, 72, 75, 78 ff., 89, 104 f., 109, 116.
Prakritā Pāramitā, 12, 14, 16, 49, 60, 62.
Prājñika Svañhārīka system, 25, 55 ff., 62.
Prākrit, 120 ff.
Prakrit, 55.
Prāna, 44.
Pratīkā, 18.
Pratjñāna Dhāranī, 19.
Pratyekabuddha, 32, 60, 87.
Pravṛtti, 16, 23 ff., 41, 45 f., 55 ff., 74 ff., 104 f.
Prāvṛttika, 24, 61.
Primary language of Buddhist writings, 120 ff.
Pūrva Khāṇḍa, 11, 54, 139.
Pūrāṇas, 38 f., 49.

RAKHĀ BHĀGAVATĪ, 12, 14, 16, 60.
Ranja, 8, 14.

SADDHARMA PUNDĀRĪKA, 13, 17, 49.
Sāhā, ii., 39.
Sāvīsam, 133 ff.
Sātvānva, 2.
Saktis of Buddha, 58 f.
Sākya Sinha, 11 ff., 70, 119 f.
Sākya Vacanikā, 70.
Samādhi Rāja, 13, 17, 32, 49.
Sāṃbhū Pūrāṇa, 14, 17, 27, 53, 57, 62, 115 ff.
Sangha, 41, 69 ff.
Sankara Āchārya, 12, 14, 48.
Sanātana, 45, 74.
Sanekrit, 3, 5, 66 f., 120 ff.
Sansekrit Bauddha literature, 11 ff., 36 ff.
Saptavara Dīkṣānti, 19.
Sāraka Dīkṣānta, 13, 54.
Sarira, 44.
Savārtha Śiddha, 32.
Serpa, ii., 29 ff.
Shadāyatana, 80.
Sifpa, ii., 65 ff.
Sikhī Buddha, 115.
Sokpa, ii., 65 ff.
Spirit, 44.
Srávaka, 30, 52, 86.
Srávaka Buddha, 32, 60.
Stotra Sangraha, 20.
Sugataja, 86.
Sugatāvadāna, 19.

Sukhavatī Loka, 19.
Sumaghaṇḍavānīsa, 19.
Sūṇavāt, 1, 2, 39 ff.
Sūnya, 16, 24 ff., 59 ff., 74 ff., 83, 93, 105.
Sūtra, 12, 14 f., 60, 87.
Suvarṇa Prabhāsot, 13, 17, 49.
Svabhāva, 25, 73.
Svabhārīka system, 13, 23 ff., 41, 55 ff., 61.
73 ff., 105.
Swayambhū, 17, 111.
Swayambhu Purāṇa, see Śāmbhu Purāṇa.

Thākpa, ii., 65 ff.
Tantras, 36 ff., 49.
Ṭantrika Buddhas, 29.
Ṭantrikas, 73.
Tajā, 25 ff., 61.
Tarā, ii., 3, 21.
Tārā Satnāma, 19.
Tathāgata, 62, 77, 97, 101 ; lists, 33 ff.
Tathāgata Guhyaśa, 13, 49.
Thākuri, ii., 39, 43.
Thōčhō, ii., 65 ff.
Tibet (see also Bhot) literature, 9 ff.; languages, ii., 29 ff.
Triād (Buddha, Dharma, Sangha), 27, 53, 103.

Triṃśunātaka, 50.
Triyāna, 60, 102, 145.

Udāna, 15.
Upadesa, 15.
Upāli, 12.
Upāya, 72, 78, 89, 104.

VAIPULTA, 15.
Vajra Āchārya, 41, 52, 63 f., 69, 99.
Vajra Pani, 17.
Vajra Sattva, 73, 136.
Vajra Sūchi, 127 ff.
Vāmāchāra, 73.
Vasita, 92.
Vihāra, 29 ff., 52, 62 ff.
Vīja Maṇtra, 73, 76.
Vinaya, 37.
Vinaya Sūtra, 20.
Vipasyī Buddha, 115.
Vīvabhrā Buddha, 115 f.
Vyākaranas, 12, 15 ff.

YATNA, 25, 74, 82 f.
Yātikā system, 23 ff., 41, 57, 82 f.
Yoni, 56.
Yugna, 44.