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"It will flourish, if naturalists, chemists, antiquaries, philologers, and men of science, in different parts of *Asia*, will commit their observations to writing, and send them to the Asiatic Society at Calcutta. It will languish if such communications shall be long intermitted; and it will die away, if they shall entirely cease."—SIR WM. JONES.

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Catalogue of Nipalese Birds, collected between 1824 and 1844.—By
B. H. HODGSON, *Esq.*

To the Secretary of the Bengal Asiatic Society.

SIR,—When I went to England in 1844 I presented my immense Zoological Collections (10,000 specimens, osteological and ordinary) to the National Museum. I was immediately asked, how many of the species had been named and described, one or both, in print? I answered that all the new Mammals had been so, by myself, in the Bengal Asiatic Journal, or in the India Review, and that a vast number of the new genera and species of Birds had been described in a paper sent from Nepal just before I left it. But that paper, it was replied to me, had not appeared, and I was requested to recast it, as well as I could, from rough notes, not having retained a copy of the MS. I did so, and the paper was printed. But it did not include the whole of my ornithological stores, and it seemed expedient to put at once in print, my own complete Catalogue of Birds. Accordingly I placed that catalogue in the hands of Mr Gray for publication, and it soon after appeared in London,* substantially my own, but with its groups disposed according to the system followed in the National Museum Catalogue. The alterations I think were not always for the better, my own distribution having been founded on a careful examination of the entire organs of species in a fresh state—a vast advantage, though one, no doubt, qualified by my non-access to Library and Museum. In due time another complete Catalogue of all my collections appeared under the auspices of the Trustees of the National Museum, and therein the Curators of Zoology in that institution made such rectifications of my printed and MS. catalogues as seemed proper to them. No doubt, there was upon the whole much improvement upon my unaided work performed in the jungles. But, for the reason I have already assigned, the new determinations of species and allocations of types according to their affinities, were not always sound, and students of Himalayan Zoology have, accordingly, found it expedient

* In Gray's Zoological Miscellany for June, 1844.

to consult the priorly made Catalogue of Birds which, notwithstanding the changes made in it also by the same hands, yet more clearly than the latter and official one, reflected my own conceptions, particularly as to novelty of species.

Accordingly I have been frequently asked for copies of this prior Catalogue which is frequently cited by writers in Europe, but I have no more copies left and cannot comply with these requests. It seems to me that the republication of the Catalogue in our Journal might be of service to local explorers, whose labours it is the great aim of our Journal to assist and facilitate; and that this Catalogue, giving as it does, in one view, a complete enumeration of Nipalese species, must always be convenient for consultation, notwithstanding its errors. I therefore forward it for publication if the Society see fit; and I have marginally noted the chief points in which, I think, Mr. Gray has unwisely deviated from my own allocation of new types.

I am, your's truly,

B. H. HODGSON.

The numbers after the names refer to the drawings and specimens, a nearly complete series of which has been sent to the British Museum. The genera are arranged according to the system followed in that collection.*

Vulturidæ. *Gypaëtos barbatus*, 604. *Neophron percnopterus*, 605. *Vultur fulvus*, 805. *V. leuconotus*, 46. *V. bengalensis*, 47. *V. tenuiceps*, 806. *Polypteryx cupido*, v. *cinereus*? 802. *Hemigyps ponticerianus*, 804.

Falconidæ. *Buteo canescens*, 11, 12. *B. erythrura*, 779. *Hemietus strophiatatus*, 496. *Aquila crassipes*, v. *nævia*? 1. *A. nipalensis*, vel *rubriventer*, 5. *A. milvoides*, 583. *A.*? *Daphanea*, 683. *A. vittata*, 725. *A. bifasciata*, 789. *Neopus perniger*, 2. *Butaquila leucocephala*, 859. *Nisætus grandis*, 7. *N. pallidus*, 8. *N. nipalensis*, 9. *N. pulchrior*, 680, 786. *Limnætus unicolor*, v. ? *pennatus*, 757. *Circætus nipalensis*, v. *undulatus*, *Vigors*, 4. *C. tarayensis*, 6. *C. mithilensis*, 754. *C. maculatio*, 777. *C. gallicus*, 753.

* This arrangement so far as it differs from my own (only slightly) is that of the Museum Catalogues. For the rest, the names of species, genus, subfamily and family are all my own.

Pandion indicus, 715. *Ichthyiaetus plumbeus*, v. *Horsfieldii*? 10. *I. hucarius*, 756. *Haliaetus albipes*, v. *Macei*? 3. *H. lanceatus*, 755. *Dentiger pondicerianus*, 15. *Falco thermophilus*, 21, 787. *F. milvipes*, 26. *F. peregrinus*, 29, 44, 45, 788. *F. peregrinoides*, 607, 682. *F. sultaneus*, 681. *F. micrurus*, 821. *F. subbuteo*, 50. *F. rufipes*, 48. *F. rufipedoides*, 718. *F. tinnunculus*, 38, 39, 42. *F. tinnunculoides*, 49. *F. interstinctus*, 40, 41. *F. chicquera*, 43. *Hierax entolmus*, v. *Bengalensis*? 51, 52. *Hyptiopus* (*Baza*) *lophotes*, 657. *Pernis bhāratensis*, v. *apivorus*? 723, 727. *Elanus melanopterus*, 23. *Milvus subhemalayanus*, 13. *M. indicus*, v. *cheela*? 14. *M.*? *rotundicauda*, 16. *Astur palumbarius*? 24, 25, 685. *A. indicus*, 27, 28, 766. *Butastur teesa*, 708. *Accipiter nissolis*, 30, 31. *A. scutarius*, 32, 34, 36, 37, 722. *A. subtypicus*, 33, 780. *A. affinis*, 35. *A. fringillaroides*, 660. *Circus cyaneus*, 17, 18. *C. cinerascens*? v. *pallidus*? 19, 20. *C. æruginosus*, 22. *C. melanoleucos*, 706. *C. nipalensis*, 736. *C. plumipes*, 497.

Strigidae. *Athene tarayensis*, 63. *A. cuculoides*, 67. *A. tubiger*, 486. *A. perlineata*, v. *undulata*? *Buch.* 707. *A. badia*, 770. *Ninox Jeridius*, 670. *Scops sunia*, 64, 65. *S. letitia*, 66. *S. pennata*, v. *Aldrovandi*? 721. *Cultrunguis nigripes*, 55. *C. flavipes*, 56. *Aetoglaux* (*Huhua*) *nipalensis*, 54. *Otus vulgaris*, 60. *O. brachyotus*, 61. *Mesomorpha* (*Urrua*) *cavearia*, v. *Bengalensis*? 57. *M. coromandra*, 742. *M. nivicola*, 827. *Meseides* (*Bulaca*) *newarensis*, 59. *Strix flammea*, 62. *S. badia*, 841.

Caprimulgidae. *Caprimulgus saturator*, 174. *C. innotatus*, 175. *C. nipalensis*, 176, 177. *C. gymnopus*, 749.

Hirundinidae. *Cypselus nipalensis*, v. *affinis*? 334. *Chætura gigantea*? v. *nudipes*, *H.* 656. *Hirundo nipalensis*, 329. *H. rupicola*, 330. *H. rustica*, 331. *H. subsoccata*, 332. *H. minuta*, 333.

Todidae. *Eurystomus calorynx*, 248. *E. orientalis*, 247. *Coracias bengalensis*, 613. *Simornis* (*Raya*) *sericeogula*, v. *Eurylaimus Dalhousiæ*, *James*, 279. *S. rubropygia*, 280.

Trogonidae. *Trogon Hodgsoni*, 178, 179.

Alcedinidae. *Alcyon capensis*? v. *princeps*, *H.* 221. *A. smyrnensis*, 590. *A. calipyga*, 769. *A. guttata*, 364. *A. rudis*, 365. *A. bengalensis*, 606.

Meropidae. *Merops ferugiceps*, 560. *M. quanticolor*, 561. *M.*

typicus, 746. *M. viridis*, 875. *M. torquatus*, 876, (665). *Napophila* (*Bucia*) *nipalensis*, 201, 202. *N. meropura*, 762.

Upupidæ. *Upupa Epops*? v. *indicus*, *H.* 132.

Promeropidæ. *Cinnyris nipalensis*, 523, 524. *C. miles*, 525, 526, 527. *C. ignicauda*, 529, 530. *C. saturata*, 531. *C. epauletta*, 532. *C. strigula*, 533, 534. *C. epimecurus*, 828. *Arachnothera chrysopus*, 528. *Myzanthæ* (*Micrura*) *ignipectus*, 393, 394. *M. inornata*, 395. *Pachyglossa melanoxantha*, 488.

Meliphagidæ. *Chloropsis cyanopterus*, 250, 251, 252. *C. auri-frons*, 253.

Certhidæ. *Certhia hemalayana*, *Tichodroma phænicoptera*? v. *subhemalayana*, 372. *Sitta castaneoventris*, 399. *S. nipalensis*, 401, 402. *S. corallina*, 400. *Pnoepyga* (*Tesia*) *concolor*, 847. *P. pusilla*, 870. *P. rufiventer*, 457. *P. albiventer*, 491. *Oligura* (*Tesia*) *cyaniventer*, 489. *O. flaviventer*, 490. *Troglodytes subhemalayanus*, 396.

Luscinidæ. *Orthotomus sutorius*, v. *ruficapillus*, v. *sphænura*? 387. *Decura* (*Suya*) *fuliginosa*, 881, (106). *D. crinigera*, v. *caudata*, 415. *Prinia fusca*, 388. *Cisticola subhemalayana*, 437. *Salicaria arundinacea*? 818. *S. affinis*, 826. *Hippolais Swainsoni*, 385. *Phyllopneuste xanthoschistos*, 380, 381. *P. affinis*, 838. *P. trochilus*, 861. *P. reguloides*, 862. *Nivicola schistilatus*, 860. *Horonis flaviventris*, 849. *H. fortipes*, 850. *Neornis*? *cacharensis*, 855. *N. strigiceps*, 382. *N.*? *flavolivacea*, 853. *Tribura luteoventris*, 851. *Horeites brunifrons*, 836. *H. pollicaris*, 848. *Abrornis erochroa*, 383. *A. schisticeps*, 468. *A. castaneoceps*, 469. *A. chloropus*, v. *Regulus modestus*, *Auct.* 889. *A. xanthogaster*, 854. *A. tenuiceps*? v. *regulus*? 856. *A. pulchrala*, 879. *Polyodon** (*Yuhina*) *gularis*, 309. *P. occipitalis*, 310. *P. nigrimentum*, 697. *Myzornis pyrrhoura*, 694. *Ixulus flavicollis*, 312. *Copsychus saularis*, 439. 440. *Grillivora longicauda*, v. *Kittacincla macrura*, 438, 731. *Phænicura*? *leucocephala*, (g. *Chaimarrornis*), 297. *P. rubricauda*, 298.

* *Polyodons* and *Myzornis* here placed in the *Luscinidæ*, and *Alcopus* inserted in the *Turdidæ*, should have been left, as they were placed by me, in the family of the *Meliphagidæ*. They are genuine Honey-suckers in habits and in structure and so also is *Saroglossa* inserted in the sequel under *Sturnidæ*!

418. *P. ruticilla*, 403, 405. *P. tricolor*, 406, 482, 483. *P. cæruleocephala*, 475. *P. schisticeps*, 813. *P. nipalensis*, v. *atrata*, 404. *Tarsiger chrysæus*, 408, 409. *Larvivora cyanea*, 455, 456. *L. homochroa*, 885. *Dimorpha* (*Siphia*) *strophciata*, 424, 430, 476, 714. *D. rubrocyanea*, 384. *D. leucocyanea*, 837. *Synornis joulainus*, 421.* *S. leucura*, (*Muscicapa*, *Auct.*) 811. *Nemura cyanura*, 407. *N. rufilatus*, 484. *N. flavolivacea*, 884. *Calliope pectoralis*, 214. *C. Lathamii*, 441. *Cyanecula* v. *Calliope suecoides*, 703. *Muscisylvia leucura*, 215. *Bradypterus phænicuroides*, 817. *Thamnobia scapularis*, 213. *Rubicola ferrea*, 413, 416, 417. *Saxicola saturator*, 299. *S. rubicola*, 300, 301. *S. meloleuca*, 420. *S. insignis*, 812. *Accentor strophciatus*, 414. *A. immaculatus*, v. *nipalensis*, 487. *A. cachârensis*, 873. *A. nipalensis*, 874. *Iora scapularis*, 711. *Parus sultaneus*, 344. *P. xanthogenys*, 397. *P. monticolus*, 398. *P. jouschistos*, 845. *P. melalophus*, 846. *P. dichrous*, 852. *P. ? seriophrys*, 863. *P. schistinotus*, 716. *P. æmodius*, 830. *P. erythrocephalus*, 389, 390. *Temnorist*† (*Suthora*) *atrifrons*, 470. *T. fulvifrons*, 888. *Zosterops madaraspatana*, 391, 392. *Motacilla Hodgsoni*, 133, 134, 135. *M. boarula*, 136, 772. *M. xanthoschista*, 678, 679. *M. locustrina*, 775. *Budytes calcaratus*, 667, 668. *B. citreoloides*, 732. *B. schisticeps*, 733, 773. *B. fulviventer*, 774. *B. dubius*, v. *anthoides*, 808. *Enicurus maculatus*, 347. *E. fuliginosus*, 348. *E. schistaceus*, 349. *E. immaculatus*, 350. *E. Scouleri*, v. *heterurus*, 698. *Anthus maculatus*, 435. *A. roseaceus*, v. *rufogularis*? 734. *A. hortulanus*, 791. *A. brevirostris*, 814. *A. pelopus*, 877. *Cichlops monticolus*, v. *Corydalla Richardi*? 431. *C. ubiquitarius*, 432, 433. *C. thermophilus*, 735. *C. fortipes*, 738.

Turdidæ. *Chlorisoma venatoria*, 210, 211. *Myophonus metallicus*, 224. *M. Temminckii*, 225. *Pitta cyanoptera*, 454. *P. rodogaster*, 761. *Heleornis* (*Paludicola*) *nipalensis*, 453. *Cinclus Pallasii*, 240. *C. P. young?* v. *maculatus*, 241. *Petrocincla cyanota*, 584, 585. *P. homochroa*, 586. *P. cyanea*, 259. *P. erythrogastra*

* 421 fœm. 811 mas. of my *Joulamus*, the *leucura* of Gmelin and *rubeculoides* of Sykes who makes the former a *Muscicapa* and the latter a *Saxicola*.

† *Temnoris* next Gould's *Paradoxornis* and our *Heteromorpha* and *Conostoma* also perhaps.

351, 352, 353. *Orocetes cinclorhynchus*, 359—362. *Petrophila turdoides*, 587. *Zoothera monticola*, 268, 269. *Turdus pæcilopterus*, 184—186. *T. oreocinoides*, 197. *T. atrogularis*, 198, 199. *T. erythrurus*, 200, 720. *T.?* *picaoides*, 363. *T. rubrocanus*, 575. *T. Naumannii*, 790. *T. viscivorus?* 832. *Merula nivicolis*, 182, 183. *?* *Grandala cælicolor*, 844. *Oreocincla Whitei*, 194—196. *O.?* *rostrata*, 833. *O.?* *micropus*, 158, s. g. *Turdulus*. *Hemipteron nipalense*, 377. *Crateropus rufimentum*, 187. *C. ocellatus*, 191. *C. moniliger*, 192. *C. grisauris*, 193. *C. albogularis*, 204. *C. leucolophus*, 205. *C. cærulatus*, 493, 494. *C. variegatus*, 693. *C. affinis*, 768. *C. erythropterus*, 820. *C. erythrocephalus*, 163? *Trochalopteron melanura*, v. *Zanthoc. squamata*, *Gould*, 376. *T. setifer*, 317. *T. subunicolor*, 842. *Timalia pelltis*, 315. *T. leucotis*, 316. *T. pileata*, 835. *Pycoris hypoleuca*, v. *Timalia hyp.* *Auct* 704. *Mixornis ruficeps*, v. *Timalia gularis*, *Horsf.* 699. *Strachyris nigriceps*, 356. *S. pyrrhops*, 410, 411. *S. chrysæa*, 869. *Erpornis** *zanthochlora*, 760. *Malacocercus griseus*, v. *terræcolor*, 371. *M.?* *abornis*, 816. *M. geochrous*, 868. *Pomatorhinus erythrogenys*, 237. *P. schisticeps*, 288. *P. ruficollis*, 239. *Keropia striata*, 266, 267. *Oriolus Traillii*, 260, 261. *O. galbula*, 262. *O. melanoris*, 263. *O. Hodgsoni*, 264. *O. juv.?* *strigipectus*, 265. *Trichophorus xanthogaster*, 346. *Hemixus flava*, 244. *Hypsipetes psaroides*, 242. *H. viridis*, 343. *Alcopus* (*Sibia*) *picaoides*, 246. *A. nigriceps*, 258. *Alcurus melanocephalus*, 245. *A. nipalensis*, 343. *Ixops nipalensis*, v. *Actinodura?* *Gould*, 257. *Ixos cafer?* v. *pygæus*, 207. *I. leucogenys*, 208. *I. jocosus?* v. *pyrrhotis*, 209.

Muscicapidæ. *Muscicapa æstigma*, 140. *M. ciliaris*, 141. *M.?* *terræcolor*, 286, 287. *M. melanops*, 288, 289. *M. acormus*, 478. *M. hemileucura*, 797. *M. leucoschista*, 824. *Digenea leucomelanura*, 419. *D. tricolor*, 795. *Hemipus picæcolor*, v. *Muscicapa*

* *Stachyris*, *Erpornis* and *Mixornis* stood in my arrangement near to *Iōra*, *Chloropsis*, &c. among the *Brachypods*, and *Alcopus*, as already noted, among the *Meliphagidæ*, and such I still think are their proper places.

817 *Bradypterus*, alias *Hemiptilon*.

699 *Mix. ruficeps*, alias *chloris*, alias *gularis*.

734 *Pycoris*, alias *Chrysomma*. Type, *Tymalia hypoleuca*, *auct.*

picata, 285. *Hemichelidon ferrugineus*, 425. *H. fuliginosus*, 427. *Bainopus irenoides*, 284. *Chaitaris* (*Niltava*) *rubeculoides*, 137—139. *C. sundara*, 142, 422. *C. sordidus*, 423. *C. fuligiventer*, 143. *Muscipeta paradisea*, 281—283. *Rhipidura albigula*, 426. *Myiagra cærulea*, v. *occipitalis*, 730, 485. *Cryptolopha poiocephala*, 428, 429. *Chelidorynx hypoxantha*, v. *Rhipidura hypoxantha*, *Blyth*? 386.

Ampelidæ.* *Leiothrix calipyga*, v. *furcatus*? 354, 355. *Certhi-parus* (*Minla*) *ignitincta*, 311, 313. *C. castaneiceps*, 477. *Proparus* (*Siva*) *vinipectus*, 479, 480. *P.*? *chrysæus*, 591. *Fringilliparus* (*Mesia*) *argenteus*, 307, 308. *Joropus* (*Siva*) *strigula*, 314. *J. nipalensis*, 357. *J. cyanouropterus*, 358. *Prosorinia* (*Cochoa*) *purpurea*, 180, 181, 577. *P. viridis*, 221, 222. *Pteruthius erythronotus*, 232, 233. *P. xanthochlorus*, 446. *Heterornis* (*Cutia*) *nipalensis*, 254, 255. *Pericrocotus*, v. *Phænicornis princeps*, 290, 291. *P. brevirostris*, 292—294. *P. peregrinus*, 295—297. *P. sordidus*, 750. *Graucalus papuensis*? *nipalensis*, 318, 319. *Volvocivora† melaschistos*, 517—519. *Ocypterus rufiventer*, 741. *Dicrurus fin-gah*? v. *albirictus*, 550, 551. *D. pyrrhops*, 553. *D. macrocer-cus*? v. *annectans*, 675, 676. *D. niviventer*, 700. *D. hemidicrurus*, 758. *Preopaterus* (*Chaptia*) *æneus*, v. *muscipetoides*, 578. *Cometes* (*Chibia*) *crishna*, 564. *C. grandis*, 567. *Melisseus* (*Bhringa*) *remi-fer*, 554.

Laniadæ. *Tephrodornis pelvica*, 234, 235. *T. leucura*, 236. *Col-lurio nipalensis*, v. *Tephronotus*, 230, 231. *C. ferrugiceps*, 481. *C. obscurior*, 691. *C. jounotus*, 815. *C. Hardwickii*, 871. *C. trico-lor*, 229.

Corvidæ. *Garrulus lanceolatus*, 173. *G. bispecularis*, 206. *Cya-nurus*? *erythrorhynchus*, 203. *Crypsirina vagabunda*, 189. *C. sineusis*, 190. *Conostoma æmodium*, 661. *Heteromorpha unicolor*, 843.‡ *Nucifraga hemispila*, 219, 220. *Corvus macrorhynchus*? v. *Corone*? 218. *C. splendens*, v. *impudicus*? *Fregilus graculus*, 840.

* See Monograph of this group in Corbyn's India Review and in J. A. S.

† *Volvocivora* to next family or *Laniadæ*.

‡ *Heteromorpha* next *Paradoxornis* and *Temnoria*.

Sturnidæ. *Saraglossa spilopterus*, 370.* *Eulabes* v. *Gracula religiosa*, 302. *Pastor roseus*, 673, 726. *P. pagodarum*? v. *nigriceps*, 270. *P. malabaricus*? v. *caniceps*, 271, 272. *P. tristis*, 303. *P. cristatellus*, 304. *P. gregiculus*, 710. *Sturnus indicus*, 306. *Sternopastor contra*, 305.

Fringillidæ. *Ploceus flavigula*, 451. *P. melanogaster*, 655. *P. passerinus*, 70. *P. atrigula*, 743. *Coccothraustes melanozanthus*, 326, 327. *C. carnipes*, 328. *C. icteroides*, 829. *Spermestes melanocephalus*, 322, 321. *S. lineoventer*, v. *leuconota*? 324. *S. (Lonchura) acuticauda*, 325. *S. fuscoluteus*, 87. *Carduelis spinoides*, 442—444. *Procarduelis nipalensis*, 460, 461. *Pyrgyta domestica*, 447, 448. *P. montana*, 449. *Gymnoris flavirostris*, 864. *Fringilla lauda nemoricola*, 450. *Emberiza nipalensis*, v. *erythroptera*? 341, 342. *E. sordida*, v. *chlorocephala*? 445. *E. oinopus*, s. g. *Ocyris*, 473, 474. *E. aureola*, 793. *Heterura sylvana*, 436. *Alauda leio pus*, v. *orientalis*, 728. *A. triborhyncha*, v. *leipus*? 739. *A. dulcivox*, 867. *Heterops cristatus*, 729. *Corypha baghaira*, 434, 815. *Plocealauda typica*, 724. *Pyrrhulauda cruciger*, 809. *Propasser rodopepla*, 340. *P. sordida*, young of *pulcherrima*? 452. *P. pulcherrima*, v. *Pr. rodochroa*? 465—467. *Pyrrholiota rosæcolor*, v. *Pyrrh. rosea*? 464. *Pyrrhoplectes epauletta*, 462, 463. *Propyrrhula subhemachalana*, 471, 472. *P. rubeculoides*, 831. *P. sipahi*, 320, 321. *Pyrrhula erythrocephala*, 335—338. *P. nipalensis*, 329, 498, 499. *Loxia hemalayana*, 887.

Bucerotidæ. *Buceros cinerascens*, 58. *B. homrai*, 599. *B. nigrilbus*, 666. *Aceros nipalensis*, 600—602.

Psittacidæ. *Palæornis rhodocephalus*, 273, 709. *P. mystaceus*, v. *ponticerianus*, 274, 695. *P. schisticeps*, 275—277. *P. nipalensis*, 278, 674. *P. nigrirostris*, 696. *P. torquatus*? 701, 702. *Psittacula pyropyga*, v. *vernalis*? 609, 610.

Picidæ. *Bucco caniceps*, v. *viridis*? 170. *B. cæruligula*, 171. *B. igniceps*, 172. *B. grandis*, 217. *Piculus nipalensis*, 161. *P. rufifrons*, 162. *Comeris (Sasia) ochracea*, 659. *Picus sultaneus*, 165, 166. *Dryotomus flavigula*, v. *flavinucha*? 167, 168. *Chloro-*

* *Saraglossa* to *Meliphagidæ*; a very interesting form placed in genus *Lamprotornis* by Vigors, which has led, I suppose, to its disposal here under the *Sturnidæ*, with which it has no affinity.

nerpes? pyrrhotis, 492, 687. *Dendrocopus cathpharius*, 154. *D. hyperythrus*, 151, 142. *D. pyriceps*, 153. *D. majoroides*, 155, 156. *D. brunnifrons*, 157, 158. *D. moluccensis*, 159, 160. *Brachylophus sericollis*, 145, 146. *B. xanthopygæus*, 147. *B. squamatus*, 148. *B. occipitalis*, 149, 150. *Brachypternus Shorii*, 163, 164. *B. igniceps*, 520. *Meiglyptes badius*, 169.

Cuculidæ. *Phænicophaeus montanus*, 212. *Zanclostomus sirki*, 226. *Oxylophus coromandus*, v. *rubrarmus*, 611. *O. serratoides*, 612. *Eudynamys orientalis*, 249. *Centropus pygmæus*, 495, 522. *C. philippensis*, 594, 595, 692. *Cuculus hemalayanus*? v. *bharovus*, 501. *C. canorus*, 503, 506. *C. micropterus*, 504, 507. *C. saturatus*, 505, 690. *C. sparveroides*, 509—511. *C. niger*? v. *pyromatus*, 512, 514. *C. brevipennis*, 513, 689. *C. nisicolor*, 872. *Pseudornis dicruroides*, 502. *Chalcites xanthorhynchus*, 515, 516.

Columbidæ. *Vinago sphenura*, 93, 94. *V. militaris*, 104, 105. *Ptilonopus turturoides*, 100, 101. *P. macronotus*, 102. *Romeris (Toria) aromatica*, 103, 688. *Rhinopus (Ducula) insignis*, 216, 92. *Dendrotreron Hodgsoni*, 98, 99. *Columba pulchrala*, 88, 89. *C. leuconota*, 95. *C. domestica*, var. 97. *C.?* *pulchricollis*, 737. *Monornis perpulchra*, 91. *Turtur vitticollis*, 96. *T. douraca*, 107. *Coccyzura tusalia*, 663. *Cena murmensis*, 747.

Phasianidæ. *Crossoptilon tibetanum*, 785. *Phasianus Wallichii*, 76—78. *Epomia Amherstii*, 85. *E. picta*, 86. *Euplocomus leucomelas*, 79, 80, 771. *Gallus Bankiva*, 74, 75. *Tragopan satyrus*, 69, 72. *Lophophorus Impeyanus*, v. *refulgens*, 73. *Gallophasis pucrasia*, 68, 71.* *Tetraogallus Nigellii*, 781. *Ithaginis cruentatus*, 81—84. *Tetraoperdix (Lerwa) nivicola*, 108, 109. *Francolinus gularis*, 378. *F. orientalis*, 379. *F. vulgaris*? v. *brevipes*, 630—632. *Pycetes (Chacura) chukor*, 110. *Arboricola olivacea*, v. *torqueola*. 111, 113, 114. *A. rufipes*, 112. *Coturnix textilis*? v. *pluvialis*, 119, 120. *C. philippensis*, 128, 129. *C. dactylisonans*? v. *indicus*, 130, 131. *Perdicula rubicola*, 763, 764. *Hemipodius joudera*, 121. *H. Dussumieri*? v. *variabilis*, 122, 123. *H. taigur*? v. *plumbipes*, 126, 127. *Pterocles arenarius*, 784. *P. pictus*, 782. *P. exustus*, 783.

* *Gallophasis* was originally applied by me to the Káliches, which are, in structure and in geographic distribution, a most perfect link between tropical *Gallus* and boreal *Phasianus*.

Otidæ. *Otis bengalensis*, v. *deliciosa*, 115. *O. aurita*, 116, 117. *O. nigriceps*, 778.

Charadriidæ. *Ædicnemus crepitans*, 53. *Pseudops griseus*, 118. *Cursorius tarayensis*, 574. *Glareola nipalensis*, v. *cinerascens*, 658. *G. thermophila*, v. *longipes*, 799. *G. gangetica*, 825. *Squatarola cinerea*, 672. *Vanellus cristatus*, 625. *Philomachus ventralis*, v. *spinosus*, 227. *Sarciophorus fuscus*, 810. *Lobivanellus goensis*, 228. *Charadrius pluvialis*, 535, 536. *C. rufinus*, 669. *C. subrufinus*, 124, 125. *Hiaticula minor*, 628. *Hæmatopus ostralegus*, 807.

Ardeidæ. *Anthropoides virgo*, 588. *Ardea purpurea*, 592. *A. insignis*, 645. *A. cinerea*, 646. *Egretta chloriceps*, v. *virescens*, *Auct.* 622. *E. cinnamomea*, 623, 624. *E. flavicans*, v. *russata*? 638, 647. *E. nigrirostris*, 639, 641. *E. maronata*, 642—644. *E. modesta*, 794. *Nyctiardea europea*, 635—637. *Platalea pyrrhops*, 144. *Ciconia leucocephala*? v. *bi clavata*, 521. *C. nigra*, 620. *Mycteria australis*, 801. *Osteorophea immigratoria*, 713. *Tantalus rodopteron*, v. *leucocephalus*? 800. *Ibis falcinellus*, 571. *I. (Pseudibis) papillosa*, 619. *I. aimolene*, v. *melanocephalus*, 865.

Scolopacidæ. *Numenius arquata*, 614. *N. arquatula*, 615. *N. phæopus*, 616. *Limosa melanura*, 537. *Clorhynchus strophiatius*, 576. *Totanus calidris*, 367. *T. macularius*? v. *auratus*, 368. *T. glareola*, 369, 745. *T. glottoides*, 549. *T. hypoleucos*, 557. *T. ochropus*, 744. *T. glareoides*, 748. *T. fuscus*, 798. *Recurvirostra avocetta*, 573. *Himantopus melanopterus*, 516. *Tringa pusilla*? v. *Temminckii*? 629. *T. variabilis*, 740. *T. minuta*, 751, 752. *Macchetes optatus*, 366, 823. *M. pugnax*? 412, 597. *Rhynchæa capensis*? v. *indica*, 538, 539. *Gallinago nemoricola*, 540, 541. *G. media*? v. *uniclavata*, 542, 543. *G. heterura*, v. *bi clavata*, 544, 545. *G. solitaria*, 547, 548. *G. gallinula*, 608. *Scolopax rusticola*, 546.

Palamedidæ. *Parra sinensis*, 563. *P. superciliosa*, 570. *P. indica*, 719. *P. phænicura*, 572.

Rallidæ. *Zapornia flammiceps*, 374, 375. *Z. pusilla*, v. *Bailloni*, 568, 569. *Z. thermophila*, 759. *Z. nigrolineata*, 765. *Porphyrio hyacinthicus*, 562, 662. *Gallinula chloropus*, 633, 634. *Fulica atra*, 621.

Anatidæ. *Anser rubrirostris*, 579. *A. indicus*, 593. *Myrocygna girra*, 796. *Dendrocygna arcuata*, 581. *Tadorna vulpanser*, 580.

T. rutila, 803. *T. ? pnoe*, 819. *Anas mail*, 500. *A. boschas*, 653. *A. ? vitticeps*, 677. *Rhynchaspis clypeata*, 651, 652. *Dafla caudacuta*, 459, 454. *Mareca pœcilorhyncha*, 792. *Querquedula crecca*, 617, 618. *Q. vulgaris*, 767. *Fuligula vulgaris*, 373. *F. ? cheonea*, 458. *F. nyroca*, 648, 649. *F. leucophthalmos ?* 650. *F. caryophyllacea*, 664. *F. rufina*, 686, 822. *F. cristata*, 712. *Mergus serrator*, 626, 627. *Cygnus ferus*, the wild swan, whereof, strange to say, I procured a sample in the valley of Nepal during a most unusually inclement winter.

Podicipedæ. *Podiceps minor*, v. *pandubia*, 558. *P. cristatus*, 834.

Laridæ. *Xema ridibunda*, 566. *X. pallida*, 857. *Sterna roseata*, 565.

Pelecanidæ. *Pelecanus gangeticus*, 582. *P. calirhynchus*, 92. *Carbo pygmæus*, 552. *C. raptensis*, 555. *C. javanica ?* v. *raptensis*, 559. *C. leucocephala*, 596. *Plotus melanogaster*, 655.

The list consists of 652 species: 89 being Raptorial; 407 Passerine; 44 Gallinaceous; 77 Wading; and 35 Natatorial Birds.

Notes on Northern Cachar.—By Lieut. R. STEWART, 22nd Regt., B. N. I.

North Cachar, including that portion of the country called Toolaram Sonapaty's, is bounded on the north by the rivers Jumoonah and Hurriahjân, which separate it from the Assam district of Nowgong. On the east the river Dhunseeree, rising among the Burrail mountains and flowing northward, is our frontier with the independent tribes of Angami and Kutcha Nagas. A huge range of mountains called the Burrail, running directly east and west forms the line of demarkation on the south, with Cachar Proper. And on the west, the Cossilee, and one of its small tributaries called the Umpúng, rising in the Burrail range, and flowing northward, divide it from the Cossiah and Jynteah hill country.

The form enclosed by these boundaries is that of a rude square, of about 3000 square miles in area: all lying within the water-shed of the Birhampooter, and on its left bank, though removed from the stream toward the uplands. This tract is for the