

**A BIOMETRIC STUDY ON THE
TRIBES OF NORTH-WESTERN
HIMALAYAN REGION**

S. K. MAZUMDAR

**A. BIOMETRIC STUDY ON THE
TRIBES OF NORTH-WESTERN
HIMALAYAN REGION**

S. K. MAZUMDAR



**ANTHROPOLOGICAL SURVEY OF INDIA
GOVERNMENT OF INDIA
CALCUTTA-700016.**

MEMOIR No. 37

Published by
Director,
Anthropological Survey of India,
Government of India,
27, Jawaharlal Nehru Road,
Calcutta-700016.

Printed by
T. P. Ghosh,
The Star Printing Works,
30, Sibnarain Das Lane,
Calcutta-700006.

Published in May, 1976.

Price 12/-

Without the expressed permission from the Director, Anthropological Survey of India, Government of India any portion of this Memoir cannot be reproduced partly or wholly.

**A BIOMETRIC STUDY ON THE
TRIBES OF NORTH-WESTERN
HIMALAYAN REGION**

P R E F A C E

The data presented in this monograph were originally collected by Dr B. S. Guha as a member of a scientific expedition party to North Western Himalayan region in 1929 during his services as an anthropologist under the Zoological Survey of India, Government of India. As a part of an all-India Survey, he took anthropometric measurements of a total sample of seven hundred adult male individuals belonging to five ethnic groups of this region. But for the purpose of analysing this large body of data, the author considered a little more than six hundred individuals; because, measurements of some individuals were found incomplete and some data were not available to the author at the time of their analysis.

Before his death in 1961 Dr Guha had published only a brief summary of the collected data. But pressing demand from different corners was constant for publishing the whole data collected from this inaccessible region. Such demand prompted Dr D. K. Sen, late Director of this Survey, to take judicious decision of publishing the valuable data even after a lapse of so many years. Hence this publication.

The author expresses his deep sorrow as the publication could not be brought out in the lifetime of Dr Guha, the founder Director of this Survey, nor of Dr Sen both of whom took so much interest to see the data properly worked out and analysed and, thus, to make them available to the anthropologists for further research.

Although the author and the publication staff of the Survey were cautious enough not to spare any mistake, specially in the presented data, in the publication, quite possibly a mistake here or there might escape their eyes. It is worth mentioning here that Dr Guha prepared his original manuscripts by lead pencil, and the second/third typed copies of them, which could be used for the analysis, also became indistinct, and somewhere even illegible, after a lapse of about half a century. However, the author will remain grateful if any mistake in the publication is detected and kindly brought to his notice.

Lastly, the worth of this publication rests upon the prudent judgement of the readers themselves.

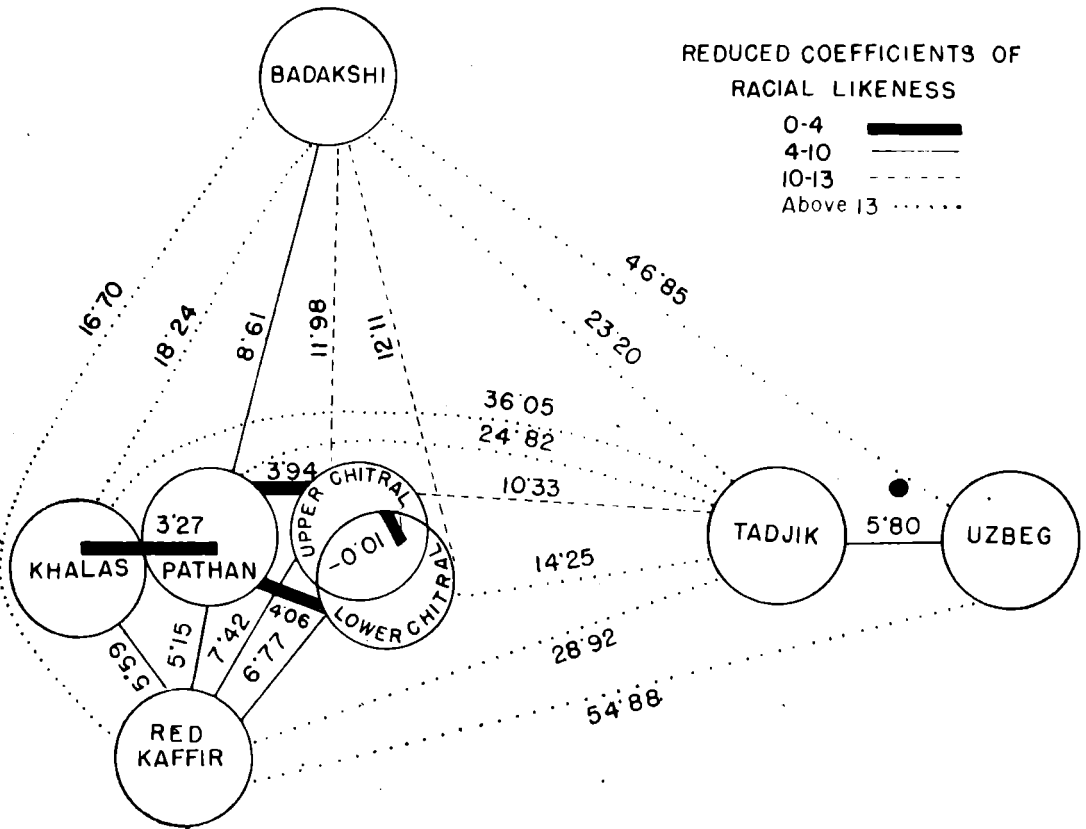
S. K. M.

CONTENTS

<i>Preface</i> ...	...	...	...	...	<i>v</i>
Introduction	...	...	...	...	1
Appendix A	...	...	...	...	16
Appendix B	...	...	...	...	26
Appendix C	...	...	...	..	32
Appendix D	...	...	...	...	52

REDUCED COEFFICIENTS OF RACIAL LIKENESS

0-4 **————**
 4-10 **-----**
 10-13 **- - - - -**
 Above 13 **.....**



INTRODUCTION

The main ethnic groups inhabiting the state of Chitral in North-Western Himalayan region are the Khalash, the Kati, and the Kho. The Khalash, known also as the Black Kaffir, are believed to be the early settlers extending to the whole of Chitral. But later, driven back by the expansion of the Kho, they remain isolated in their present high valleys of Birir, Bamboret, and Rambur. The Khalash still preserve their ancient pagan beliefs forming a religious isolate. The coming of the Kati in the area is comparatively recent. Towards the end of the last century they took refuge in this state from the neighbouring Afghan territory. The Red Kaffir considered here belong to the Kati tribe. 'Kho' is the tribal name of the people of Chitral who speak a dialect known as Khowar. The Khalash dialect is also closely related to Khowar; and both belong to the Dardic group. The Kati are linguistically different.

Dr B. S. Guha, as a member of the scientific expedition to Chitral and Kaffiristan, carried out anthropometric survey in 1929. He measured a total sample of 700 adult individuals belonging to the following ethnic groups:

- (i) the Kaffir of Rambur and Bamboret,
- (ii) the Kho of Upper and Lower Chitral,
- (iii) the Ashreti and the Dameli of the Ashret valley,
- (iv) the Pathan of Bijaur and
- (v) the present traders, such as, the Badakshi and the Tadjik from Badakshan and the Uzbek from Russian Turkistan, who came to Chitral after crossing the frontiers.

The Badakshi group is comprised of the individuals hailed from the upper social stratum of Badakshan, while the Tadjik group is comprised mainly of the agriculturists.

In his two papers (1931, 1938) on the racial composition of the Hindukush tribes, Dr Guha gave only a brief summary of the present material. The original material has so far remained unpublished. The genesis of the present study, however, rests with the publication of a recent anthropometric study by Graziosi (1964) on the three ethnic groups of Chitral. Compared to Dr Guha, the sample sizes of all the three groups investigated by Graziosi are quite small : Khalash (60), Kati (33) and Chitral (44) individuals. Moreover, Dr. Guha's main study on the inter-relationship between these ethnic groups was based on Reduced Coefficient of Racial Likeness (R.C.R.L.). But as the coefficients of racial likeness are not independent of sample size, the thesis on the affinities of these groups put forward by Dr Guha

needs re-examination on the basis of Generalised Distance D^2 (Mahalanobis 1936 ; Rao 1952). Therefore, even after lapse of so many years, it would be still worthwhile to work out and analyse the rare and large body of the data collected by Dr Guha from such an inaccessible region of North-Western Himalays. Analysis of the data was undertaken by the present author, and statistical constants of somatic characters and frequency distribution of the scopic traits are presented.

MATERIAL AND METHOD

The present material consists of anthropometric measurements and scopic observations relating to ten population groups, namely,

- (i) Kho of Upper Chitral (KUC)—150,
- (ii) Kho of Lower Chitral (KLC)—90,
- (iii) Red Kaffir (RK)—100,
- (iv) Khalash (Kh)—69,
- (v) Tadjik (Ta)—62,
- (vi) Pathan (Pa)—50,
- (vii) Uzbek and Turki (UT)—33,
- (viii) Ashreti (As)—20,
- (ix) Dameli (Dal)—18 and
- (x) Badakshi (Ba)—17.

Eighteen somatometric characters and large number of observations on head and face for each individual were taken. The techniques followed in the investigation are given in the Census of India, 1931. In the accompanying tables the terms 'nasal length' are retained in conformity with the terminology preferred by Dr Guha, though it is actually nasal height measured.

RESULTS

Mean, standard deviation and c. v. with their standard errors for 18 anthropometric characters are presented in Appendix A. In Appendix B, mean, standard deviation and c. v. with their standard errors of 13 indices are given. Frequencies of somatoscopic observations are given in Appendix C. Original measurements taken by Dr Guha are given in Appendix D.

Leaving aside the Kho groups, the sample sizes for the rest of the groups are very small. However, considering small population sizes, only groups having sample size above 30 are considered for study of interrelationship, and for this only six important characters, namely, stature, head length, head breadth, bizygomatic breadth, nasal length and nasal breadth are chosen. Hence, the groups left are Ashreti, Dameli and Badakshi. It seems that the Dameli and the Ashreti are isolated groups of Ashret Valley and not any tribal names; but their affiliation with any of the known groups is not known.

In Table 3, normalised mean values of six characters are given for all the groups. In Tables 7 and 8, frequency distributions of stature and cephalic index are shown in conventional classes. Frequency distributions over arbitrary chosen ranges of the characters, like head length, head breadth, bizygomatic breadth, are shown in Tables 9, 10 and 11.

In Table 3, a close agreement in mean values is observed among the Kho of Upper and Lower Chitral. But for the rest of the groups there is significant difference in number of characters. In respect of stature class, distribution is not homogenous in all the groups. Only 14-33 p. c. of the population are medium statured and the rest are in classes below medium and above medium in varying proportion. In Red Kaffir, 47% are in the class above medium and tall; but in Khalash 66% are in the class below medium and short. The Kho and the Pathan are composed of a mixture of short and tall persons in nearly equal proportion.

Majority of the population (62.0—82.6%) among the groups of RK, Kh and Pa are long headed, that is cephalic index below 76.0. But in the Tadjik 30.7% are hyperbrachycephalic and 69.4% of the population are round headed, that is cephalic index above 81.0. Mesocephal (52.0—61.1%) is the largest single class in both the Kho groups.

Some 40.0—53.2% of the population possess Max. Bzy. Bth. within the range 136—143mm. However, in the Tadjik there is a greater proportion of the people having Bzy. Bth. in the range (144—161mm) than that in the rest of the groups.

The straight hair is the most frequent hair form in most of the groups (67.3—100.0%). Wavy hair is found in fair proportion (20.0—32.2%) among the Kho and Pathan groups. Most prevalent lip form (thickness) is moderate, covering 62.9—74.0% of the population. Round eye slit is predominant (85.0—90.0%) among all the groups, except Uzbek in which slanting eye slit is 66.7%.

Shape of the nasal septum in highest percentage is straight form. Though convex shape is not rare in the two groups, Khalash and Pathan, frequency is more (30.0—38.0%) than the rest.

As to the colour of the eyes, a brown shade is undoubtedly preponderant (70.0—91.9%). Nearly 6.1—9.3% possess greenish eye colour. Highest percentage of blue eyes is found among the Pathan and Kaffir while it is absent in the Tadjik and Uzbek.

Of the three sites chosen for recording skin complexion only colour at upper arm is considered here for comparison. Highest percentage of blond people are found among the Tadjik and Uzbek, and the percentage is slightly less (65.6—74.0%) in the Pathan and Kho. In the two Kaffir groups, blond and brown persons are nearly equal in proportion.

The population although demonstrate a notable homogeneity, they also show certain morpho-physiognomic variation which points out existence of different racial elements in their general make up.

STANDARD DEVIATIONS AND CORRELATIONS OF ANTHROPOMETRIC CHARACTERS

After investigating inter-group difference in the mean values of anthropometric measurements, variations of the standard deviations for the various characters are studied next. In Table 1, standard deviations for each group, pooled standard deviations and chi-square values of homogeneity of each character are given. Two significant values of chi-squares for head breadth and total facial length at 1% and 5% level indicate significant variation in the distribution of head shape in these groups.

For each pair of six characters in 8 groups (excluding As and Da) correlations are also investigated. Except head length and head breadth correlation for all the pairs are homogeneous. In Table 2, chi-square values of homogeneity of correlation for each pair of characters are tabulated and pooled correlations are compared with the findings of other surveys. There is a good agreement in the correlation co-efficients with those obtained from other surveys.

INTER-RELATIONSHIP OF THE GROUPS

Generalised distance— D^2

For studying the intra-group relationships, D^2 for all possible pairs are computed. The method has been followed as illustrated in Majumdar and Rao (1960). Only six characters are considered as stated earlier. In Table 4, values of D^2 are tabulated. As the size of the samples in different groups varies, the significance of D^2 is therefore tested. In the same table values not found to be significant are marked with asterisks.

It may be seen that the distance between the Tadjik and the Uzbek from rest of the groups is large. Thus they appear to be isolated from rest of the groups apparently having no contact with them. The Tadjik do not show any nearness to the Badakshi, the upper class of their own country. On the other hand, the Tadjik are nearer to the Uzbek, as $D^2=0.91$ only. The Badakshi also disclose a distant association with the Kho.

Dameli and Ashreti seem to be closely related as $D^2=0.62$ is not significant. However, their association with the other groups could not be correctly ascertained due to small sample sizes of these groups. But its distance from the other groups suggests some close affinities with the Kho, Pathan and Kaffir groups of people.

Distance $D^2=0.26$ between the Pathan and Red Kaffir is not significant, though sample size for these groups is not small. This implies a close association between these two groups. Similarly, the Pathan and Khalash are closed groups, as distance ($D^2=0.49$) is very

small. Thus the three groups, that is the Red Kaffir, Pathan, and Khalash, are linearly arranged, the Pathan occupying an intermediate position between the two Kaffir groups. However, the two Kaffir groups are slightly remote ($D^2=0.93$).

The smallest inter-group difference ($D^2=0.07$) between the Kho of Upper Chitral and that of Lower Chitral is not significant. Possibly, they are the same group of people but occupying two different zones of a valley. It has also some affinity with the Pathan and the Red Kaffir, D^2 being 0.50 and 0.61 respectively. But the Khalash group is distant from the Kho, average $D^2=1.12$.

C. R. L. SHAPE DISTANCE AND SIZE DISTANCE

Generalised distance undoubtedly offers the best method of discrimination between populations as presented in previous discussion. But amount of computational work involving so many characters would be prohibitive for most of the laboratories where facility is too inadequate. Penrose (1953), however, recommended a much simpler method yielding distance estimate which can be compared with the generalised distance D^2 : let d_1, d_2, \dots, d_m represent the difference between the standardised means for m characters in two populations. Then, generalised distance $D^2 = mC_h^2 = d_1^2 + d_2^2 + \dots + d_m^2$. Considering six characters as before, metric data for ten groups are computed for values of mC_h^2 for all possible pairs as explained earlier. In Table 12, values of mC are tabulated and compared with D^2 . Diagonal divides the two sets of values. Right corner set shows the values of D^2 and the left corner one of mC_h^2 . There is a good agreement between the two sets of values (correlation coefficient $r=0.98$), and difference between these two corresponding sets of values is also not significant ($t=1.71$ for 4 4 d. f.)

THE DETERMINATION OF GROUP CONSTELLATION

From the previous discussion it reveals that some populations are very close while the others lie farthest apart. In Table 5, configuration of different clusters is considered. However, for small size D^2 estimate is not very precise, so the Ashreti, Dameli and Badakshi groups are left out. As no definite rules can be laid down for finding cluster formation, so, to start with two closely associated groups, the Kho of Upper and Lower Chitral are taken in Block 1. The Pathan, having the smallest average distance from the Kho of the rest of the groups, is next added to Block 1, whereby average D^2 sharply increases to 0.51. Subsequent addition of the Red Kaffir and Khalash does not appreciably change the average. So the latter three groups are taken outside the former cluster and treated separately in Block 2.

Similarly, in Block 2, The Pathan and the Red Kaffir having the smallest average D^2 are taken for consideration; and the next closest group, the Khalash, is added to this resulting no appreciable

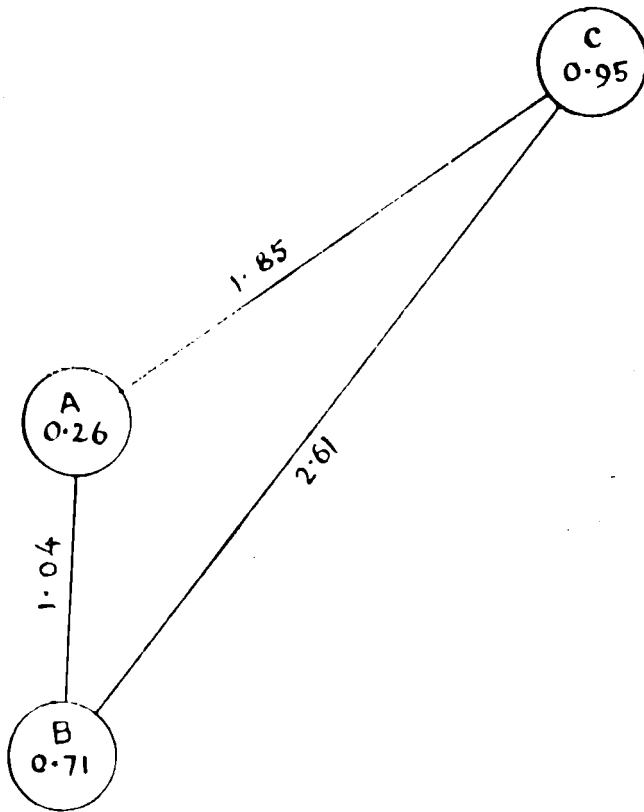


Figure 2 : Clusters and their interrelationships based on D-values

change in average value. But addition of the Tadjik sharply increases the average to 2.86. So only three populations are grouped in Block 2.

As already pointed out, the Tadjik and Uzbeg are distant from all the groups and at the same time there exists close affinity between them. So these two groups represent the Block 3.

In Table 6, inter pair distance between these three configurations, A, B and C, is given. The distance is very close between A and B, which indicates some generic affinity between the five populations constituting the cluster A and B. In Figure 2, the positions of interrelationships are somewhat clear and for comparative study with C-values Figure 1 is also reproduced from Census of India 1931.

DISCUSSION

The present material although conforms more or less with that observed by Graziosi (1964) thirty years later, there are some points of disagreement.

In the Khalash only 8% are tall and the majority from short to medium. Compared to this, Graziosi's data comprise of 51% tall, 18% short and the rest are medium statured. Again, in the Red

Kaffir, compared to the present data, tall is in fair percentage (49%) and no short statured person. The explanation put forward for this difference—as due to “natral process of increase in stature in new generation”—is not convincing.

In our present data, with the exception of the Uzbek, epicanthic fold in small percentage is observed in all the groups. Contrary to this, later observation (Graziosi 1964) failed to find any epicanthic fold in the Khalash or in the Kati group. Minor difference also persists in some more characters in those two sets of observations. As for example, percentages of straight and convex nose in the Khalash and Kati do not correspond in two sets. Also later observation (ibid, 1964) could not find any blond hair in the Kho and Khalash, although a very small percentage is found in the present sample. Comparison of percentage based on such a small sample size is apt to be misleading. So, much emphasis cannot be laid on this discrepancy.

Data on colour of skin, hair and eye are reclassified by Dr Guha himself after publication of his two earlier papers (1935 and 1938). These corrected data are presented here in this paper.

In respect of affiliation of the Red Kaffir with the other Dardic group there is disagreement. Coefficient of C. R. L., as found between the Red Kaffir and other groups, is much higher compared to other groups. This led Dr Guha (1935 and 1938) to consider the Red Kaffir not closely affiliated with any of the groups, namely, the Kho, Khalash, and Pathan. But generalised distance estimated in this paper discloses intimate relationship with the Pathan and also with other groups in Block A and B, as discussed earlier in consideration of group constellation. This is also evident when the distributions of some important characters are compared in Tables 7—11.

It seems that common racial strain constitutes basic substratum of all these populations, namely, Kho, Kaffir, and Pathan. This may be attributed due to existence of an indigenous Himalayan race (Guha 1935) which underlies the population of an entire territory, characterised by short stature, long head and brown complexion. In addition to this, a tall, dolicocephalic, leptorrhine element with light skin and eye also goes into the composition of this common racial strain. The apparent difference between the Khalash and Red Kaffir is due to varying composition of these two components.

In the Khalash, short stature is predominant, and in the Red Kaffir tall element is the dominant one. The basic substratum is later superseded by brachycephalic people having very light skin colour which is allied to Dineric race of Eastern Europe (Guha 1935). Miscegenation occurred in different proportion leading to this divergence and shifting of mean positions. This is partly observed in the Red Kaffir and in the Pathan while the Kho appear to be most effected. The Khalash are free from it and isolation helped to preserve its original stock.

ACKNOWLEDGEMENT

The author is thankful to the Director, Anthropological Survey of India, for his encouragement in analysing the data collected by Dr Guha. He is also thankful to the colleagues of the Statistical Section of the Survey for their unfailing co-operation, and to Shri R. N. Ghose of the Publication Section for making the paper ready for press.

REFERENCES

1. Graziosi, Paolo. (1964): Italian Expedition to Karakorum (K²) and Hindukush Scientific Report No. 5—Prehistory and Anthropology (Vol. 1): Prehistoric Research in Northwestern Punjab and Anthropological Research in Chitral.
2. Guha, B. S. (1935): Census of India, 1931, Vol. 1—India, Part III, Ethnographical.
3. — — (1938): The Racial Composition of the Hindukush Tribes - Proc. Indian Science Congress, Vol. 25.
4. Karve, I and Dandekar, V. M. (1951): Anthropometric Measurements of Maharashtra. Deccan College Monograph. Series 8.
5. Majumdar, D. N. & Rao, C. R. (1960): Race Elements in Bengal, Indian Statistical Series No. 3.
6. Penrose, L. S. (1953): Distance, Size and Shape. Ann. Eugen, London, 18, pp. 337—343.
7. Rao, C. R. (1952): Advanced Statistical Method in Biometric Research. John Wiley and Sons, New York.

TABLE 1

Standard deviations of characters

Group	KUC	RK	KLC	Kh	Ta	Pa	UT	As	Da	Ba	Pooled value	Chi-square 9 d.f.
Degree of freedom	149	99	89	68	61	49	32	19	17	16		
Stature	61.45	54.94	66.71	56.56	64.72	64.33	48.25	51.46	60.06	66.27	62.41	9.23
Aur. Ht.	7.32	7.52	7.85	8.34	8.47	6.75	7.60	7.66	5.30	11.50	7.75	14.98
Hd. Lth.	6.67	6.23	6.39	5.51	6.54	6.91	7.16	5.62	6.18	5.53	7.29	6.72
Hd. Br.	4.58	4.34	4.45	4.35	5.83	5.33	6.73	5.16	5.02	6.26	5.96	23.66**
Min. Fr. Br.	3.69	4.62	3.89	3.35	4.03	4.38	3.68	4.74	4.50	3.88	4.01	13.25
Biz. Br.	5.02	4.83	5.18	4.83	5.17	4.79	4.61	3.87	5.95	5.29	5.35	4.64
Big. Br.	5.86	6.06	5.35	6.25	5.89	7.33	6.06	4.83	6.57	5.89	6.01	8.92
Nas. Lth.	3.51	4.09	3.72	3.40	3.60	4.14	3.84	3.07	3.36	2.94	3.71	8.15
Nas. Br.	2.52	2.96	2.15	2.35	2.28	2.90	2.44	2.92	2.28	2.37	2.57	15.46
U. F. Lth.	4.03	4.22	4.37	3.81	4.07	4.72	5.03	5.71	3.52	4.61	4.28	11.06
T. F. Lth.	4.85	6.19	6.16	5.66	6.44	5.42	6.44	7.29	4.29	5.54	5.77	17.46*

*Significant at 5% level

**Significant at 1% level

TABLE 2

Comparative study of pooled correlation in different surveys

Pair of characters	Chi-squares (7 d.f.)	Pooled correlation			
		Present	Bengal (Muslim)	U. P.	Maharashtra
ST × HL	7.81	0.273	0.280	0.270	0.268
× HB	7.77	0.136	0.187	0.193	0.176
× BZB	11.01	0.241	0.237	0.289	0.292
× NL	2.08	0.232	0.245	0.197	0.186
× NB	4.66	0.155	0.143	0.141	0.092
HL × HB	16.31*	0.229	0.127	0.198	0.102
× BZB	4.54	0.369	0.257	0.279	0.312
× NL	6.59	0.267	0.126	0.176	0.226
× NB	4.59	0.200	0.212	0.193	0.156
HB × BZB	10.52	0.603	0.498	0.541	0.552
× NL	5.58	0.083	0.128	0.174	0.213
× NB	9.97	0.222	0.171	0.141	0.197
BZB × NL	6.06	0.165	0.155	0.185	0.142
× NB	3.43	0.304	0.234	0.273	0.229
NL × NB	8.67	0.025	0.133	0.044	0.065

*Significant at 5% level

TABLE 3

Normalised mean values of different character

	KUC	RK	KLC	KH	Ta	Pa	UT	As	Da	Ba
Stature	-0.081	0.316	-0.225	-0.463	0.227	-0.015	0.033	0.603	0.198	0.166
Hd. Lth.	-0.110	0.635	-0.140	0.547	-0.857	0.321	-0.749	-0.176	0.026	-0.449
Hd. Br.	0.143	-0.178	0.030	-0.804	0.774	-0.455	1.599	-0.428	-0.606	-0.560
Biz. Br.	-0.185	0.013	-0.099	-0.211	0.589	-0.275	1.236	-0.351	-0.135	-0.237
Nasal Lth.	-0.132	0.173	-0.173	-0.073	0.062	0.159	0.189	0.210	-0.253	0.356
Nasal Br.	-0.160	0.070	-0.058	0.109	-0.113	0.121	0.358	0.148	-0.012	-0.708

TABLE 4

Values of D² between Kho of Upper Chitral and other groups

Groups	Kho Upper Chitral	Kho Lower Chitral	Pathan	Red Kaffir	Dameli	Ashreti	Badakshi	Khalash	Tadjik	Uzbek & Turk
Kho Upper Chitral	—	0.07*	0.76	0.85	0.97	1.15	1.75	1.82	2.31	4.64
Kho Lower Chitral	0.07*	—	0.68	0.91	0.80*	1.20	1.69	1.47	2.22	4.51
Pathan ...	0.76	0.68	—	0.26*	0.57*	0.83*	1.92	0.49	4.47	7.73
Red Kaffir ...	0.85	0.91	0.26*	—	0.69*	1.01	2.21	0.93	4.49	7.50
Dameli ...	0.97	0.80*	0.57*	0.69*	—	0.62*	1.31*	1.08	3.60	7.19
Ashreti ...	1.15	1.20	0.83*	0.01	0.62*	—	1.27*	2.30	3.13	6.77
Badakshi ...	1.75	1.69	1.92	2.21	1.31*	1.27*	—	3.06	2.91	6.42
Khalash ...	1.82	1.47	0.49	0.93	1.08	2.30	3.06	—	6.55	10.00
Tadjik ...	2.31	2.22	4.47	4.49	3.60	3.13	2.91	6.55	—	0.91
Uzbek & Turk ...	4.64	4.51	4.73	7.50	7.19	6.77	6.42	10.00	0.91	—

*Value not significant.

TABLE 5

Computational scheme for finding clusters

Block	Group added to a cluster	D^2	No. of terms	$\frac{\text{Increase in } D^2}{\text{Increase in } n}$	Average D^2	Cluster
1	Kho of Upper and Lower Chitral	0.07	1	—	0.07	A Kho of Upper & Lower Chitral.
	Pathan	1.51	3	0.72	0.51	
	Red Kaffir	3.53	6	0.67	0.59	
	Khalash	8.24	10	1.18	0.82	
2	Pathan and Red Kaffir	0.26	1	—	0.26	B Pathan & Red Kaffir & Khalash.
	Khalash	1.68	3	0.71	0.51	
3	Tadjik, Uzbek & Turk	0.91	1	—	0.91	C Tadjik, Uzbek and Turk.

TABLE 6

Intra and Inter-cluster average D^2

Cluster	A	B	C
A	0.07	1.08	3.42
B	1.08	0.51	6.79
C	3.42	6.79	0.91

TABLE 7

Frequency distribution of character

Stature	KUC		RK		KLC		Kh		Ta		Pa	
	f	%	f	%	f	%	f	%	f	%	f	%
1300—1499	3	2.0	—	—	3	3.3	3	4.4	1	1.6	—	—
1500—1599	32	21.3	11	11.0	25	27.8	20	29.0	10	16.1	17	34.0
1600—1639	38	25.3	19	19.0	20	22.2	22	31.9	6	9.7	8	16.0
1640—1669	33	22.0	23	23.0	16	17.8	10	14.5	20	32.3	6	12.0
1670—1699	16	10.7	19	19.0	12	13.3	9	13.0	12	19.3	8	16.0
1700—1799	28	18.7	26	26.0	14	15.6	5	7.2	12	19.4	10	20.0
1800— X	—	—	2	2.0	—	—	—	—	1	1.6	1	2.0
	150	100.0	100	100.0	90	100.0	69	100.0	62	100.0	50	100.0

TABLE 8

Frequency distribution of cephalic index

Cephalic index	f	%	f	%	f	%	f	%	f	%	f	%
X — 70.9	2	1.3	4	4.0	—	—	10	14.5	—	—	3	6.0
71— 75.9	33	22.0	58	58.0	17	18.9	47	68.1	7	11.3	28	56.0
76.0—80.9	78	52.0	36	36.0	55	61.1	11	15.9	12	19.4	15	30.0
81.0—85.4	33	22.0	2	2.0	16	17.8	1	1.5	24	38.7	4	8.0
85.5— X	4	2.7	—	—	2	2.2	—	—	19	30.7	—	—
	150	100.0	100	100.0	90	100.0	69	100.0	62	100.0	50	100.0

TABLE 9
Frequency distribution of character

Max. Hd. Lth.	f	%	—	—	—	f	%	—	f	%	—	f	%
162—169	1	0.7	—	—	—	1	1.6	—	—	—	—	—	—
170—177	6	4.0	—	4	4.4	13	21.0	1	2.0	—	—	—	—
178—185	49	32.7	8	8.0	36	40.0	3	4.3	29	46.8	8	16.0	—
186—193	64	42.7	40	40.0	29	32.2	36	52.2	15	24.2	22	44.0	—
194—201	27	18.0	40	40.0	20	22.2	25	36.2	4	6.5	15	30.0	—
202— X	3	2.0	12	12.0	1	1.1	5	7.2	—	—	4	8.0	—
	150	100.1	100	100.0	90	99.9	69	99.9	62	100.1	50	100.0	—

TABLE 10
Frequency distribution of character

Max. Hd. Br.	KUC	RK	KLC	Kh	Ta	Pa						
	f	%	f	%	f	%						
133—138	1	0.7	4	4.0	3	3.3	13	18.8	2	3.2	7	14.0
139—144	34	22.7	34	34.0	22	24.4	38	55.1	6	9.7	19	38.0
145—150	75	50.0	48	48.0	46	51.1	17	24.6	14	22.6	18	36.0
151—156	34	22.7	13	13.0	17	18.9	—	—	28	45.2	6	12.0
157—162	6	4.0	1	1.0	2	2.2	1	1.4	11	17.7	—	—
163—168	—	—	—	—	—	—	—	—	1	1.6	—	—
	150	100.1	100	100.0	90	99.9	69	99.9	62	100.0	50	100.0

TABLE 11

Frequency distribution of character

Max. Biz. Br.

— 127	8	5.3	5	5.0	7	7.8	4	5.8	—	—	3	6.0
128—135	69	46.0	39	39.0	36	40.0	32	46.4	15	24.2	25	50.0
136—143	62	41.3	49	49.0	42	46.7	29	42.0	33	53.2	20	40.0
144—151	11	7.3	7	7.0	5	5.6	4	5.8	14	22.6	2	4.0
	150	99.9	100	100.0	90	100.1	69	100.0	62	100.0	50	100.0

TABLE 12

Value of D^2 and mc^2H for inter pair of groups. Right corner set shows value of D^2 and left corner set of mc^2H

	Kho Upper Chitral	Kho Lower Chitral	Pathan	Red Kaffir	Khalash	Uzbek & Turk	Badakshi	Tadjik	Dameli	Ashreti
Upper Chitral	—	.07	0.76	0.85	1.82	4.64	1.75	2.31	0.97	1.15
Lower Chitral	0.05	—	0.68	0.91	1.47	4.51	1.69	2.22	0.80	1.20
Pathan	0.72	0.66	—	0.26	0.49	7.73	1.92	4.47	0.57	0.83
Red Kaffir	1.00	1.08	0.37	—	0.93	7.50	2.21	4.49	0.69	1.01
Khalash	1.55	1.27	0.43	1.12	—	10.00	3.06	6.55	1.08	2.30
Uzbek & Turk	4.93	4.98	7.70	6.73	9.92	—	6.42	0.91	7.19	6.77
Badakshi	1.21	1.32	1.36	2.04	2.30	8.10	—	2.91	1.31	1.27
Tadjik	1.76	1.83	3.71	3.48	5.59	1.22	3.39	—	3.60	3.13
Dameli	0.69	0.62	0.36	0.78	0.80	7.70	1.10	3.32	—	0.62
Ashreti	1.04	1.15	0.64	0.94	1.90	7.32	1.05	2.96	0.52	—

APPENDIX A

Final Table

Statistical constants in relation to Physical Measurements of 18 characters of the males of different tribes of Chitral taken by Dr B. S. Guha in 1929.

Tribe—Kho	No. of individuals—150	Locality—Upper Chitral	
Physical Characters	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.
1. Stature	1640.96 \pm 5.02	61.45 \pm 3.55	3.74 \pm 0.22
2. Aur. Ht.	123.87 \pm 0.60	7.32 \pm 0.42	5.91 \pm 0.34
3. Max. Hd. Lth.	188.18 \pm 0.54	6.67 \pm 0.39	3.54 \pm 0.20
4. Max. Hd. Br.	147.90 \pm 0.37	4.58 \pm 0.26	3.10 \pm 0.18
5. Min. Fr. Br.	105.35 \pm 0.30	3.69 \pm 0.21	3.50 \pm 0.20
6. Max. Biz. Br.	135.34 \pm 0.41	5.02 \pm 0.29	3.71 \pm 0.21
7. Big. Br.	103.01 \pm 0.48	5.86 \pm 0.34	5.69 \pm 0.33
8. Int. Orb. Br.	30.98 \pm 0.17	2.04 \pm 0.12	6.58 \pm 0.38
9. Orb. N. Br.	96.72 \pm 0.31	3.82 \pm 0.22	3.95 \pm 0.23
10. Orb. N. Arc	108.26 \pm 0.38	4.71 \pm 0.27	4.35 \pm 0.25
11. Nas. Lth.	54.78 \pm 0.29	3.51 \pm 0.20	6.41 \pm 0.37
12. Nas. Br.	35.06 \pm 0.21	2.52 \pm 0.15	7.19 \pm 0.42
13. Nas. Dth.	25.59 \pm 0.21	2.61 \pm 0.15	10.20 \pm 0.59
14. U. F. Lth.	68.30 \pm 0.33	4.03 \pm 0.23	5.90 \pm 0.34
15. T. F. Lth.	120.92 \pm 0.40	4.85 \pm 0.28	4.01 \pm 0.23
16. Hor. Cir. Hd.	546.46 \pm 1.15	14.10 \pm 0.81	2.58 \pm 0.15
17. Sag. Arc	349.06 \pm 1.10	13.51 \pm 0.78	3.87 \pm 0.22
18. Trans. Arc	334.89 \pm 0.90	11.04 \pm 0.64	3.30 \pm 0.19

<i>Tribe—Kho</i>	<i>No. of individuals—90</i>	<i>Locality—Lower Chitral</i>	
Physical Characters	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.
1. Stature	1631.98 \pm 7.03	66.71 \pm 4.97	4.09 \pm 0.30
2. Aur. Ht.	121.97 \pm 0.83	7.85 \pm 0.58	6.43 \pm 0.48
3. Max. Hd. Lth	187.96 \pm 0.67	6.39 \pm 0.48	3.40 \pm 0.25
4. Max. Hd. Br.	147.23 \pm 0.47	4.45 \pm 0.33	3.02 \pm 0.23
5. Min. Fr. Br.	105.16 \pm 0.41	3.89 \pm 0.29	3.70 \pm 0.28
6. Max. Biz. Br.	135.80 \pm 0.55	5.18 \pm 0.39	3.82 \pm 0.28
7. Big. Br.	102.62 \pm 0.56	5.35 \pm 0.40	5.21 \pm 0.39
8. Int. Orb. Br.	31.12 \pm 0.24	2.30 \pm 0.17	7.39 \pm 0.55
9. Orb. N. Br.	96.74 \pm 0.40	3.77 \pm 0.28	3.89 \pm 0.29
10. Orb. N. Arc	107.81 \pm 0.56	5.29 \pm 0.39	4.90 \pm 0.37
11. Nas. Lth.	54.63 \pm 0.39	3.72 \pm 0.28	6.80 \pm 0.51
12. Nas. Br.	35.32 \pm 0.23	2.15 \pm 0.16	6.09 \pm 0.45
13. Nas. Dth.	25.28 \pm 0.29	2.80 \pm 0.21	11.06 \pm 0.82
14. U. F. Lth	68.48 \pm 0.46	4.37 \pm 0.33	6.38 \pm 0.48
15. T. F. Lth.	121.42 \pm 0.65	6.16 \pm 0.46	5.07 \pm 0.38
16. Hor. Cir. Hd.	544.13 \pm 1.52	14.39 \pm 1.07	2.64 \pm 0.20
17. Sag. Arc	348.17 \pm 1.45	13.78 \pm 1.03	3.96 \pm 0.29
18. Trans. Arc	331.73 \pm 1.23	11.64 \pm 0.87	3.51 \pm 0.26

<i>Tribe—Red Kaffir</i>	<i>No. of individuals—100</i>	<i>Locality—Chitral</i>	
Physical Characters	Mean \pm S. E. (in mm)	S.D. \pm S.E. (in mm)	C.V. \pm S.E.
1. Stature	1665.72 \pm 5.49	54.94 \pm 3.88	3.30 \pm 0.23
2. Aur. Ht.	120.80 \pm 0.75	7.52 \pm 0.53	6.23 \pm 0.44
3. Max. Hd. Lth.	193.61 \pm 0.62	6.23 \pm 0.44	3.22 \pm 0.23
4. Max. Hd. Br.	145.99 \pm 0.43	4.34 \pm 0.31	2.97 \pm 0.21
5. Min. Fr. Br.	106.50 \pm 0.46	4.62 \pm 0.33	4.34 \pm 0.31
6. Max. Biz. Br.	136.40 \pm 0.48	4.83 \pm 0.34	3.54 \pm 0.25
7. Big. Br.	104.45 \pm 0.61	6.06 \pm 0.43	5.80 \pm 0.41
8. Int. Orb. Dr.	30.40 \pm 0.27	2.71 \pm 0.19	8.91 \pm 0.63
9. Orb. N. Br.	96.77 \pm 0.45	4.49 \pm 0.32	4.64 \pm 0.33
10. Orb. N. Arc	110.59 \pm 0.56	5.57 \pm 0.39	5.04 \pm 0.36
11. Nas. Lth.	55.91 \pm 0.41	4.09 \pm 0.29	7.32 \pm 0.52
12. Nas. Br.	35.65 \pm 0.30	2.96 \pm 0.21	8.30 \pm 0.59
13. Nas. Dth.	26.41 \pm 0.28	2.78 \pm 0.20	10.53 \pm 0.74
14. U. F. Lth.	69.15 \pm 0.42	4.22 \pm 0.30	6.10 \pm 0.43
15. T. F. Lth.	120.74 \pm 0.62	6.19 \pm 0.44	5.13 \pm 0.36
16. Hor. Cir. Hd.	552.00 \pm 1.57	15.71 \pm 1.11	2.85 \pm 0.20
17. Sag. Arc	355.12 \pm 1.40	14.04 \pm 0.99	3.95 \pm 0.28
18. Trans. Arc	327.94 \pm 1.16	11.61 \pm 0.82	3.54 \pm 0.25

<i>Tribe—Khalash</i>	<i>No. of individuals—69</i>		<i>Locality—Chitral</i>
Physical Characters	Mean ± S. E. (in mm)	S.D. ± S.E. (in mm)	C.V. ± S.E.
1. Stature	1617.13 ± 6.81	56.56 ± 4.81	3.50 ± 0.30
2. Aur. Ht.	120.86 ± 1.00	8.34 ± 0.71	6.89 ± 0.59
3. Max. Hd. Lth.	192.97 ± 0.66	5.51 ± 0.47	2.85 ± 0.24
4. Max. Hd. Br.	142.26 ± 0.52	4.35 ± 0.37	3.06 ± 0.26
5. Min. Fr. Br.	103.94 ± 0.40	3.35 ± 0.28	3.22 ± 0.27
6. Max. Biz. Br.	135.20 ± 0.58	4.83 ± 0.41	3.58 ± 0.30
7. Big. Br.	103.93 ± 0.75	6.25 ± 0.53	6.01 ± 0.51
8. Int. Orb. Br.	31.26 ± 0.35	2.87 ± 0.24	9.26 ± 0.79
9. Orb. N. Br.	97.17 ± 0.62	5.11 ± 0.43	5.27 ± 0.45
10. Orb. N. Arc	107.86 ± 0.73	6.06 ± 0.52	5.61 ± 0.48
11. Nas. Lth.	55.00 ± 0.41	3.40 ± 0.29	6.18 ± 0.53
12. Nas. Br.	35.75 ± 0.28	2.35 ± 0.21	6.53 ± 0.56
13. Nas. Dth.	26.26 ± 0.31	2.59 ± 0.23	9.96 ± 0.85
14. U. F. Lth.	69.16 ± 0.46	3.81 ± 0.33	5.52 ± 0.47
15. T. F. Lth.	121.86 ± 0.68	5.66 ± 0.49	4.64 ± 0.39
16. Hor. Cir. Hd.	544.43 ± 1.64	13.60 ± 1.16	2.50 ± 0.21
17. Sag. Arc	354.96 ± 1.38	11.51 ± 0.98	3.24 ± 0.28
18. Trans. Arc	323.38 ± 1.48	12.32 ± 1.05	3.81 ± 0.32

<i>Tribe—Tadjik</i>	<i>No. of individuals—6?</i>	<i>Locality—Chitral</i>	
Physical Characters	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm.)	C. V. \pm S. E.
1. Stature	1660.19 \pm 8.22	64.72 \pm 5.81	3.90 \pm 0.35
2. Aur. Ht.	128.87 \pm 1.08	8.47 \pm 0.76	6.57 \pm 0.59
3. Max. Hd. Lth	182.73 \pm 0.83	6.54 \pm 0.59	3.58 \pm 0.32
4. Max. Hd.Br.	151.66 \pm 0.74	5.83 \pm 0.52	3.84 \pm 0.35
5. Min. Fr. Br.	107.19 \pm 0.51	4.03 \pm 0.36	3.75 \pm 0.34
6. Max. Biz. Br	139.48 \pm 0.66	5.17 \pm 0.46	3.71 \pm 0.33
7. Big. Br.	103.74 \pm 0.75	5.89 \pm 0.53	5.67 \pm 0.51
8. Int. Orb. Br.	31.89 \pm 0.36	2.81 \pm 0.25	8.80 \pm 0.79
9. Orb. N. Br.	98.45 \pm 0.54	4.23 \pm 0.38	4.29 \pm 0.39
10. Orb. N. Arc	109.60 \pm 0.65	5.13 \pm 0.46	4.68 \pm 0.42
11. Nas. Lth.	55.50 \pm 0.46	3.60 \pm 0.32	6.49 \pm 0.58
12. Nas. Br.	35.76 \pm 0.29	2.28 \pm 0.20	6.38 \pm 0.57
13. Nas. Dth.	24.97 \pm 0.31	2.47 \pm 0.22	9.89 \pm 0.89
14. U. F. Lth.	70.47 \pm 0.52	4.07 \pm 0.37	5.77 \pm 0.52
15. T. F. Lth.	123.48 \pm 0.82	6.44 \pm 0.58	5.21 \pm 0.47
16. Hor. Cir. Hd.	542.74 \pm 1.69	13.31 \pm 1.20	2.45 \pm 0.22
17. Sag. Arc	343.92 \pm 1.48	11.65 \pm 1.05	3.39 \pm 0.30
18. Trans. Arc	341.98 \pm 1.30	10.23 \pm 0.92	2.99 \pm 0.27

APPENDIX A

21

<i>Tribe - Pathan</i>	<i>No. of individuals - 50</i>		<i>Locality - Chitral</i>
Physical Characters	Mean \pm S. E. (In mm)	S. D. \pm S. E. (In mm)	C.V. \pm S.E.
1. Stature	1645.10 \pm 9.10	64.33 \pm 6.43	3.91 \pm 0.39
2. Aur. Ht.	124.98 \pm 0.95	6.75 \pm 0.68	5.40 \pm 0.54
3. Max. Hd. Lth.	191.32 \pm 0.98	6.91 \pm 0.69	3.61 \pm 0.36
4. Max. Hd. Br.	144.34 \pm 0.75	5.33 \pm 0.53	3.69 \pm 0.37
5. Min. Fr. Br.	104.20 \pm 0.62	4.38 \pm 0.44	4.20 \pm 0.42
6. Max. Biz. Br.	134.86 \pm 0.68	4.79 \pm 0.48	3.55 \pm 0.36
7. Big. Br.	101.14 \pm 1.04	7.33 \pm 0.73	7.25 \pm 0.72
8. Int. Orb. Br.	32.00 \pm 0.32	2.28 \pm 0.23	7.22 \pm 0.71
9. Orb. N. Br.	96.58 \pm 0.56	3.95 \pm 0.40	4.09 \pm 0.41
10. Orb. N. Arc	108.32 \pm 0.66	4.68 \pm 0.47	4.32 \pm 0.43
11. Nas. Lth.	55.86 \pm 0.59	4.14 \pm 0.41	7.41 \pm 0.74
12. Nas. Br.	35.78 \pm 0.41	2.90 \pm 0.29	8.11 \pm 0.81
13. Nas. Dth.	26.72 \pm 0.35	2.49 \pm 0.25	9.32 \pm 0.93
14. U. F. Lth.	69.84 \pm 0.67	4.72 \pm 0.47	6.76 \pm 6.68
15. T. F. Lth.	122.20 \pm 0.77	5.42 \pm 0.54	4.44 \pm 0.44
16. Hor. Cir. Hd.	545.70 \pm 2.42	17.11 \pm 1.71	3.14 \pm 0.31
17. Sag. Arc	351.50 \pm 2.02	14.27 \pm 1.43	4.06 \pm 0.41
18. Trans. Arc	330.78 \pm 1.89	13.33 \pm 1.33	4.03 \pm 0.40

Tribe— <i>Usbeg & Turk</i>	No. of individuals—33		Locality— <i>Chitral</i>
	Physical Characters	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. $\pm$ S. E.
1. Stature	1648.09 \pm 8.40	48.25 \pm 5.94	2.93 \pm 0.36
2. Aur. Ht.	131.39 \pm 1.32	7.60 \pm 0.94	5.78 \pm 0.71
3. Max. Hd. Lth.	183.52 \pm 1.25	7.16 \pm 0.88	3.90 \pm 0.48
4. Max. Hd. Br.	156.58 \pm 1.17	6.73 \pm 0.83	4.30 \pm 0.53
5. Min. Fr. Br.	107.42 \pm 0.64	3.68 \pm 0.45	3.44 \pm 0.42
6. Max. Blz. Br.	142.94 \pm 0.80	4.61 \pm 0.57	3.23 \pm 0.40
7. Big. Br.	106.52 \pm 1.06	6.06 \pm 0.75	5.69 \pm 0.70
8. Int. Orb. Br.	32.82 \pm 0.42	2.40 \pm 0.30	7.31 \pm 0.90
9. Orb. N. Br.	99.67 \pm 0.87	4.97 \pm 0.61	4.99 \pm 0.61
10. Orb. N. Arc	107.52 \pm 0.94	5.38 \pm 0.66	5.00 \pm 0.62
11. Nas. Lth.	55.97 \pm 0.67	3.84 \pm 0.47	6.86 \pm 0.84
12. Nas. Br.	36.39 \pm 0.42	2.44 \pm 0.30	6.71 \pm 4.83
13. Nas. Dth.	23.67 \pm 0.27	1.54 \pm 0.19	6.51 \pm 0.80
14. U. F. Lth.	72.52 \pm 0.88	5.03 \pm 0.62	6.94 \pm 0.85
15. T. F. Lth.	125.79 \pm 1.12	6.44 \pm 0.79	5.12 \pm 0.63
16. Hor. Cir. Hd.	550.18 \pm 3.04	17.46 \pm 2.15	3.17 \pm 0.39
17. Sag. Arc	340.39 \pm 2.70	15.48 \pm 1.91	4.55 \pm 0.56
18. Trans. Arc	348.70 \pm 2.47	14.19 \pm 1.75	4.07 \pm 0.50

<i>Tribe—Ashreti</i>	<i>No. of individuals—20</i>	<i>Locality—Chitral</i>	
Physical Characters	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.
1. Stature	1683.65 \pm 11.51	51.46 \pm 8.14	3.06 \pm 0.48
2. Aur. Ht.	124.95 \pm 1.71	7.66 \pm 1.21	6.13 \pm 0.97
3. Max. Hd. Lth.	187.70 \pm 1.26	5.62 \pm 0.89	2.99 \pm 0.47
4. Max. Hd. Br.	144.50 \pm 1.15	5.16 \pm 0.82	3.57 \pm 0.56
5. Min. Fr. Br.	103.40 \pm 1.06	4.74 \pm 0.75	4.58 \pm 0.72
6. Max. Biz. Br.	134.45 \pm 0.87	3.87 \pm 0.61	2.88 \pm 0.46
7. Big. Br.	99.85 \pm 1.08	4.83 \pm 0.76	4.84 \pm 0.77
8. Int. Orb. Br.	32.00 \pm 0.45	2.00 \pm 0.32	6.25 \pm 0.99
9. Orb. N. Br.	98.15 \pm 0.67	3.01 \pm 0.48	3.07 \pm 0.49
10. Orb. N. Arc *	111.42 \pm 0.74	3.22 \pm 0.52	2.89 \pm 0.47
11. Nas. Lth.	56.05 \pm 0.69	3.07 \pm 0.49	5.48 \pm 0.87
12. Nas. Br.	35.85 \pm 0.66	2.93 \pm 0.46	8.17 \pm 1.29
13. Nas. Dth.	26.00 \pm 0.52	2.34 \pm 0.37	9.00 \pm 1.42
14. U. F. Lth.	72.00 \pm 1.28	5.71 \pm 0.90	7.93 \pm 1.25
15. T. F. Lth.	124.65 \pm 1.63	7.29 \pm 1.15	5.85 \pm 0.93
16. Hor. Cir. Hd. *	539.53 \pm 2.88	12.54 \pm 2.04	2.32 \pm 0.38
17. Sag. Arc *	346.89 \pm 2.79	12.17 \pm 1.98	3.51 \pm 0.57
18. Trans. Arc *	328.89 \pm 1.94	8.48 \pm 1.38	2.58 \pm 0.42
19. Ht. upto Tragus	1558.70 \pm 11.30	50.53 \pm 8.00	3.24 \pm 0.51

* Number of individuals 19.

<i>Tribe - Dameli</i>	<i>No. of individuals—18</i>		<i>Locality—Chitrai</i>
Physical Characters	Mean \pm S. E. (in mm)	S. D. \pm S. E. (In mm)	C. V. \pm S. E.
1. Stature	1658.39 \pm 14.17	60.06 \pm 10.01	3.62 \pm 0.60
2. Aur. Ht.	124.11 \pm 1.25	5.30 \pm 0.88	4.27 \pm 0.71
3. Max. Hd. Lth.	189.17 \pm 1.46	6.18 \pm 1.03	3.27 \pm 0.54
4. Max. Hd. Br.	143.44 \pm 1.13	5.02 \pm 0.84	3.50 \pm 0.58
5. Min. Fr Br.	103.50 \pm 1.06	4.50 \pm 0.75	4.35 \pm 0.72
6. Max. Biz. Br.	135.61 \pm 1.40	5.95 \pm 0.99	4.39 \pm 0.73
7. Big. Br.	99.33 \pm 1.55	6.57 \pm 1.10	6.61 \pm 1.10
8. Int. Orb. Br.	30.72 \pm 0.43	1.84 \pm 0.31	5.99 \pm 1.00
9. Orb. N. Br.	96.11 \pm 0.91	3.86 \pm 0.64	4.02 \pm 0.67
10. Orb. N. Arc	106.50 \pm 1.13	4.79 \pm 0.80	4.50 \pm 0.75
11. Nas. Lth.	54.33 \pm 0.79	3.36 \pm 0.56	6.18 \pm 1.03
12. Nas. Br.	35.44 \pm 0.54	2.28 \pm 0.38	6.43 \pm 1.07
13. Nas. Dth.	24.83 \pm 0.67	2.83 \pm 0.47	11.40 \pm 1.90
14. U. F. Lth.	66.50 \pm 0.83	3.52 \pm 0.59	5.29 \pm 0.88
15. T. F. Lth.	117.22 \pm 1.01	4.29 \pm 0.72	3.66 \pm 0.61
16. Hor. Cir. Hd.	543.33 \pm 3.63	15.40 \pm 2.57	2.83 \pm 0.47
17. Sag. Arc	348.83 \pm 3.47	14.71 \pm 2.45	4.22 \pm 0.70
18. Trans. Arc	325.00 \pm 2.88	12.22 \pm 2.04	3.76 \pm 0.63
19. Ht. upto Tragus	1534.28 \pm 14.17	60.08 \pm 10.01	3.92 \pm 0.65

<i>Tribe—Badakshi</i>	<i>No. of individuals—17</i>		<i>Locality—Chitral</i>
Physical Characters	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.
1. Stature	1656.41 \pm 16.07	66.27 \pm 11.37	4.00 \pm 0.69
2. Aur. Ht.	123.41 \pm 2.79	11.50 \pm 1.97	9.32 \pm 1.60
3. Max. Hd. Lth.	185.71 \pm 1.34	5.53 \pm 0.95	2.98 \pm 0.51
4. Max. Hd. Br.	143.71 \pm 1.52	6.26 \pm 1.07	4.36 \pm 0.75
5. Min. Fr. Br.*	104.00 \pm 0.97	3.88 \pm 0.69	3.73 \pm 0.66
6. Max. Biz. Br.	135.06 \pm 1.28	5.29 \pm 0.91	3.92 \pm 0.67
7. Big. Br.	100.18 \pm 1.43	5.89 \pm 1.01	5.88 \pm 1.01
8. Int. Orb. Br.	31.18 \pm 0.47	1.94 \pm 0.33	6.22 \pm 1.07
9. Orb. N. Br.	96.00 \pm 0.89	3.66 \pm 0.63	3.81 \pm 0.65
10. Orb. N. Arc	111.59 \pm 1.11	4.59 \pm 0.79	4.11 \pm 0.70
11. Nas. Lth.	56.59 \pm 0.71	2.94 \pm 0.50	5.20 \pm 0.89
12. Nas. Br.	33.65 \pm 0.58	2.37 \pm 0.41	7.04 \pm 1.21
13. Nas. Dth.	26.06 \pm 0.62	2.56 \pm 0.44	9.82 \pm 1.68
14. U. F. Lth.	72.47 \pm 1.12	4.61 \pm 0.79	6.36 \pm 1.09
15. T. F. Lth.	124.82 \pm 1.34	5.54 \pm 0.95	4.44 \pm 0.76
16. Hor. Cir. Hd.	535.65 \pm 2.98	12.28 \pm 2.11	2.29 \pm 0.39
17. Sag. Arc	547.76 \pm 3.39	13.99 \pm 2.40	4.02 \pm 0.69
18. Trans. Arc	326.41 \pm 2.37	9.75 \pm 1.67	2.99 \pm 0.51

*Number of Individuals 16

APPENDIX B

Final Table

Statistical constants in relation to 13 indices based on the physical measurements of the male tribes of Chitral taken by Dr B. S. Guha in 1929 given in Appendix A.

<i>Tribe—Kho</i>	<i>No. of individuals—150</i>		<i>Locality—Upper Chitral</i>
Indices	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.
1. Lth.-Br.	78.68 \pm 0.28	3.49 \pm 0.20	4.44 \pm 0.26
2. Lth.-Ht.	65.89 \pm 0.34	4.19 \pm 0.24	6.36 \pm 0.37
3. Br.-Ht.	83.81 \pm 0.42	5.16 \pm 0.30	6.16 \pm 0.36
4. Trs.-Fr.-Part	71.28 \pm 0.21	2.60 \pm 0.15	3.65 \pm 0.21
5. Orb.-Nas.	111.88 \pm 0.26	3.23 \pm 0.19	2.89 \pm 0.17
6. Nasal	64.27 \pm 0.48	5.91 \pm 0.34	9.20 \pm 0.53
7. Nas. Elev.	73.32 \pm 0.74	9.10 \pm 0.53	12.41 \pm 0.72
8. Upp. Fac.	50.51 \pm 0.26	3.15 \pm 0.18	6.24 \pm 0.36
9. Tot. Fac.	89.43 \pm 0.38	4.69 \pm 0.27	5.24 \pm 0.30
10. Trs. Ceph. Fac.	91.54 \pm 0.24	2.97 \pm 0.17	3.24 \pm 0.19
11. Vertical	97.92 \pm 0.55	6.69 \pm 0.39	6.83 \pm 0.39
12. Zygo.-Fr.	77.90 \pm 0.22	2.71 \pm 0.16	3.48 \pm 0.20
13. Zygo.-Md.	76.13 \pm 0.31	3.74 \pm 0.22	4.91 \pm 0.28

<i>Tribe—Kho</i>	<i>No. of individuals—90</i>		<i>Locality—Lower Chitral</i>
Indices	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.
1. Lth.-Br.	78.41 \pm 0.32	3.08 \pm 0.23	3.92 \pm 0.29
2. Lth.-Ht.	64.94 \pm 0.46	4.37 \pm 0.33	6.73 \pm 0.50
3. Br.-Ht.	82.87 \pm 0.54	5.17 \pm 0.39	6.24 \pm 0.46
4. Trs.-Fr.-Part	71.47 \pm 0.31	2.92 \pm 0.22	4.09 \pm 0.30
5. Orb.-Nas.	111.43 \pm 0.33	3.13 \pm 0.23	2.81 \pm 0.21
6. Nasal	64.32 \pm 0.60	5.65 \pm 0.42	8.79 \pm 0.65
7. Nas. Elev.	71.85 \pm 0.98	9.34 \pm 0.70	13.00 \pm 0.97
8. Upp. Fac.	50.49 \pm 0.37	3.47 \pm 0.26	6.87 \pm 0.51
9. Tot. Fac.	89.52 \pm 0.53	5.04 \pm 0.38	5.63 \pm 0.42
10. Trs.-Ceph.-Fac.	92.25 \pm 0.34	3.27 \pm 0.24	3.55 \pm 0.26
11. Vertical	99.87 \pm 0.73	6.95 \pm 0.52	6.95 \pm 0.52
12. Zygo.-Fr.	77.51 \pm 0.33	3.10 \pm 0.23	4.00 \pm 0.30
13. Zygo.-Md.	75.61 \pm 0.36	3.44 \pm 0.26	4.55 \pm 0.34

<i>Tribe—Red Kaffir</i>	<i>No. of individuals—100</i>		<i>Locality—Chitral</i>
Indices	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.
1. Lth.-Br.	75.40 \pm 0.25	2.47 \pm 0.17	3.28 \pm 0.23
2. Lth.-Ht.	62.44 \pm 0.40	4.01 \pm 0.28	6.42 \pm 0.45
3. Br.-Ht.	82.81 \pm 0.54	5.42 \pm 0.38	6.55 \pm 0.46
4. Trs.-Fr.-Part	72.97 \pm 0.30	2.93 \pm 0.21	4.04 \pm 0.29
5. Orb.-Nas.	114.37 \pm 0.42	4.13 \pm 0.30	3.65 \pm 0.26
6. Nasal	64.14 \pm 0.70	7.00 \pm 0.49	10.91 \pm 0.77
7. Nas. Elev.	74.56 \pm 0.99	9.94 \pm 0.70	13.33 \pm 0.94
8. Upp. Fac.	50.75 \pm 0.33	3.25 \pm 0.23	6.40 \pm 0.45
9. Tot. Fac.	88.60 \pm 0.50	5.02 \pm 0.35	5.67 \pm 0.40
10. Trs.-Ceph.-Fac.	93.46 \pm 0.31	3.08 \pm 0.22	3.30 \pm 0.23
11. Vertical	100.25 \pm 0.72	7.15 \pm 0.51	7.13 \pm 0.50
12. Zygo.-Fr.	78.12 \pm 0.31	3.12 \pm 0.22	3.99 \pm 0.28
13. Zygo.-Md.	76.60 \pm 0.38	3.81 \pm 0.27	4.97 \pm 0.35

<i>Tribe—Khalash</i>		<i>No. of individuals—69</i>		<i>Locality—Chitra</i>
Indices	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.	
1. Lth.-Br.	73.27 \pm 0.36	2.50 \pm 0.22	3.39 \pm 0.29	
2. Lth.-Ht.	62.66 \pm 0.53	4.39 \pm 0.37	6.97 \pm 0.59	
3. Br.-Ht.	84.89 \pm 0.70	5.78 \pm 0.49	6.80 \pm 0.58	
4. Trs.-Fr.-Part	73.10 \pm 0.29	2.38 \pm 0.20	3.26 \pm 0.28	
5. Orb.-Nas.	111.04 \pm 0.47	3.92 \pm 0.34	3.53 \pm 0.30	
6. Nasal	65.27 \pm 0.78	6.47 \pm 0.55	9.95 \pm 0.85	
7. Nas. Elev.	73.80 \pm 1.10	9.16 \pm 0.78	12.38 \pm 1.05	
8. Upp. Fac.	51.18 \pm 0.33	2.75 \pm 0.23	5.37 \pm 0.46	
9. Tot. Fac.	90.19 \pm 0.52	4.36 \pm 0.37	4.83 \pm 0.41	
10. Trs.-Ceph.-Fac.	95.08 \pm 0.39	3.25 \pm 0.28	3.42 \pm 0.29	
11. Vertical	101.24 \pm 0.91	7.63 \pm 0.65	7.54 \pm 0.64	
12. Zygo.-Fr.	76.93 \pm 0.30	2.53 \pm 0.21	3.29 \pm 0.28	
13. Zygo.-Md.	76.93 \pm 0.48	3.95 \pm 0.34	5.13 \pm 0.44	

<i>Tribe—Tadjik</i>		<i>No. of individuals—62</i>		<i>Locality—Chitral</i>
Indices	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.	
1. Lth.-Br.	83.12 \pm 0.58	4.60 \pm 0.41	5.54 \pm 0.50	
2. Lth.-Ht.	70.60 \pm 0.63	4.98 \pm 0.45	7.05 \pm 0.63	
3. Br.-Ht.	85.06 \pm 0.74	5.85 \pm 0.53	6.88 \pm 0.62	
4. Trs.-Fr.-Part	70.73 \pm 0.41	3.20 \pm 0.29	4.52 \pm 0.41	
5. Orb.-Nas.	111.35 \pm 0.46	3.64 \pm 0.33	3.27 \pm 0.29	
6. Nasal	64.70 \pm 0.73	5.78 \pm 0.52	8.94 \pm 0.80	
7. Nas. Elev.	70.12 \pm 1.07	8.41 \pm 0.76	12.00 \pm 1.08	
8. Upp. Fac.	50.58 \pm 0.41	3.24 \pm 0.29	6.40 \pm 0.58	
9. Tot. Fac.	88.62 \pm 0.66	5.21 \pm 0.47	5.88 \pm 0.53	
10. Trs.-Ceph.-Fac.	92.04 \pm 0.42	3.27 \pm 0.29	3.55 \pm 0.32	
11. Vertical	96.21 \pm 1.00	7.87 \pm 0.71	8.18 \pm 0.73	
12. Zygo.-Fr.	76.83 \pm 0.41	3.22 \pm 0.29	4.19 \pm 0.38	
13. Zygo.-Md.	74.39 \pm 0.44	3.46 \pm 0.31	4.65 \pm 0.42	

<i>Tribe—Pathan</i>		<i>No. of individuals—50</i>		<i>Locality—Chitral</i>
Indices	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.	
1. Lth.-Br.	75.50 \pm 0.44	3.14 \pm 0.31	4.16 \pm 0.42	
2. Lth.-Ht.	65.40 \pm 0.59	4.17 \pm 0.42	6.38 \pm 0.64	
3. Br.-Ht.	86.64 \pm 0.66	4.64 \pm 0.46	5.36 \pm 0.54	
4. Trs.-Fr.-Part	72.22 \pm 0.35	2.49 \pm 0.25	3.45 \pm 0.34	
5. Orb.-Nas.	112.19 \pm 0.52	3.65 \pm 0.36	3.25 \pm 0.32	
6. Nasal	64.28 \pm 0.83	5.89 \pm 0.59	9.16 \pm 0.92	
7. Nas. Elev.	75.18 \pm 1.34	9.47 \pm 0.95	12.60 \pm 1.26	
8. Upp. Fac.	51.82 \pm 0.49	3.46 \pm 0.35	6.68 \pm 0.67	
9. Tot. Fac.	90.68 \pm 0.61	4.33 \pm 0.43	4.78 \pm 0.48	
10. Trs.-Ceph.-Fac.	93.46 \pm 0.32	2.25 \pm 0.22	2.41 \pm 0.24	
11. Vertical	98.06 \pm 0.99	6.97 \pm 0.70	7.11 \pm 0.71	
12. Zygo.-Fr.	77.29 \pm 0.37	2.65 \pm 0.26	3.43 \pm 0.34	
13. Zygo.-Md.	74.99 \pm 0.65	4.60 \pm 0.46	6.13 \pm 0.61	

<i>Tribe—Uzbek & Turk</i>		<i>No. of individuals—33</i>		<i>Locality—Chitral</i>
Indices	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.	
1. Lth.-Br.	85.42 \pm 0.77	4.45 \pm 0.55	5.21 \pm 0.64	
2. Lth.-Ht.	71.64 \pm 0.70	4.01 \pm 0.49	5.60 \pm 0.69	
3. Br.-Ht.	84.02 \pm 0.93	5.32 \pm 0.65	6.33 \pm 0.78	
4. Trs.-Fr.-Part	68.67 \pm 0.27	1.55 \pm 0.19	2.26 \pm 0.28	
5. Orb. Nas.	107.96 \pm 0.69	3.99 \pm 0.49	3.70 \pm 0.46	
6. Nasal	65.29 \pm 1.02	5.87 \pm 0.72	8.99 \pm 1.11	
7. Nas. Elev.	65.29 \pm 1.00	5.72 \pm 0.70	8.76 \pm 1.08	
8. Upp. Fac.	50.77 \pm 0.64	3.67 \pm 0.45	7.23 \pm 0.89	
9. Tot. Fac.	88.06 \pm 0.85	4.90 \pm 0.60	5.56 \pm 0.68	
10. Trs.-Ceph.-Fac.	91.37 \pm 0.51	2.94 \pm 0.36	3.22 \pm 0.40	
11. Vertical	96.01 \pm 1.15	6.63 \pm 0.82	6.91 \pm 0.85	
12. Zygo.-Fr.	75.17 \pm 0.31	1.79 \pm 0.22	2.38 \pm 0.29	
13. Zygo.-Md.	74.55 \pm 0.71	4.10 \pm 0.51	5.50 \pm 0.68	

<i>Tribe—Ashreti</i>		<i>No. of individuals—20</i>		<i>Locality—Chitral</i>
Indices	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.	
1. Lth.-Br.	77.04 \pm 0.73	3.25 \pm 0.51	4.22 \pm 0.67	
2. Lth.-Ht.	66.59 \pm 0.88	3.94 \pm 0.62	5.92 \pm 0.94	
3. Br.-Ht.	86.54 \pm 1.26	5.64 \pm 0.89	6.52 \pm 1.03	
4. Trs.-Fr.-Part	71.64 \pm 0.93	4.16 \pm 0.66	5.81 \pm 0.92	
5. Orb.-Nas.*	113.61 \pm 0.63	2.75 \pm 0.45	2.42 \pm 0.39	
6. Nasal	64.02 \pm 1.09	4.86 \pm 0.77	7.59 \pm 1.20	
7. Nas.-Elev.	72.91 \pm 1.87	8.35 \pm 1.32	11.45 \pm 1.81	
8. Upp.-Fac.	53.61 \pm 1.04	4.65 \pm 0.74	8.67 \pm 1.37	
9. Tot.-Fac.	92.80 \pm 1.41	6.32 \pm 1.00	6.81 \pm 1.08	
10. Trs.-Ceph.-Fac.	93.09 \pm 0.52	2.32 \pm 0.37	2.49 \pm 0.39	
11. Vertical	100.14 \pm 1.96	8.76 \pm 1.39	8.75 \pm 1.38	
12. Zygo.-Fr.	76.96 \pm 0.88	3.95 \pm 0.62	5.13 \pm 0.81	
13. Zygo.-Md.	74.34 \pm 1.00	4.45 \pm 0.70	5.99 \pm 0.95	

*Number of individuals 19.

<i>Tribe—Dameli</i>		<i>No. of individuals—18</i>		<i>Locality—Chitral</i>
Indices	Mean \pm S. E. (in mm)	S. D. \pm S. E. (in mm)	C. V. \pm S. E.	
1. Lth.-Br.	75.87 \pm 0.62	2.63 \pm 0.44	3.47 \pm 0.58	
2. Lth.-Ht.	65.63 \pm 0.60	2.55 \pm 0.42	3.89 \pm 0.65	
3. Br.-Ht.	86.58 \pm 0.92	3.88 \pm 0.65	4.48 \pm 0.75	
4. Trs.-Fr.-Part	72.19 \pm 0.71	3.00 \pm 0.50	4.16 \pm 0.69	
5. Orb.-Nas.	110.82 \pm 0.67	2.82 \pm 0.47	2.54 \pm 0.42	
6. Nasal	65.46 \pm 1.34	5.68 \pm 0.95	8.68 \pm 1.45	
7. Nas.-Elev.	70.36 \pm 2.15	9.13 \pm 1.52	12.98 \pm 2.16	
8. Upp.-Fac.	49.08 \pm 0.60	2.54 \pm 0.42	5.18 \pm 0.86	
9. Tot.-Fac.	86.50 \pm 0.65	2.74 \pm 0.46	3.17 \pm 0.53	
10. Trs.-Ceph.-Fac.	94.53 \pm 0.46	1.97 \pm 0.33	2.08 \pm 0.35	
11. Vertical	94.58 \pm 1.08	4.56 \pm 0.76	4.82 \pm 0.80	
12. Zygo.-Fr.	76.40 \pm 0.86	3.66 \pm 0.61	4.79 \pm 0.80	
13. Zygo.-Md.	73.35 \pm 1.24	5.27 \pm 0.88	7.18 \pm 1.20	

<i>Tribe—Badakshi</i>	<i>No. of individuals—17</i>		<i>Locality—Chitral</i>
Indices	Mean ± S. E. (in mm)	S. D. ± S. E. (in mm)	C. V. ± S. E.
1. Lth.-Br.	77.46 ± 1.09	4.49 ± 0.77	5.80 ± 0.99
2. Lth.-Ht.	66.53 ± 1.65	6.79 ± 1.16	10.21 ± 1.75
3. Br.-Ht.	85.88 ± 1.74	7.17 ± 1.23	8.35 ± 1.43
4. Trs.-Fr.-Part*	72.26 ± 0.74	2.95 ± 0.52	4.08 ± 0.72
5. Orb.-Nas.	116.30 ± 1.07	4.42 ± 0.76	3.80 ± 0.65
6. Nasal	59.57 ± 1.14	4.69 ± 0.80	7.87 ± 1.35
7. Nas.-Elev.	77.66 ± 1.94	8.00 ± 1.37	10.30 ± 1.77
8. Upp.-Fac.	53.72 ± 0.91	3.75 ± 0.64	6.98 ± 1.20
9. Tot.-Fac.	92.52 ± 1.16	4.77 ± 0.82	5.16 ± 0.88
10. Trs.-Ceph.-Fac.	94.04 ± 0.71	2.93 ± 0.50	3.12 ± 0.54
11. Vertical	101.88 ± 2.27	9.38 ± 1.61	9.21 ± 1.58
12. Zygo.-Fr.*	77.08 ± 0.62	2.48 ± 0.44	3.22 ± 0.57
13. Zygo.-Md.	74.22 ± 1.00	4.14 ± 0.71	5.58 ± 0.96

*Number of individuals 16.

Final Table

*Frequencies of somatoscopic observations of the tribes of Chitral.
 Figures in parenthesis represent percentages*

<i>Tribe - Kho</i>	<i>No. of individuals - 150</i>					<i>Locality - Upper Chitral</i>		
Skin Colour								
	Reddish white (3,9-11)	White (7,8)	Light red-dish brown (12)	Light brown (13-16)	Brown (17,18 26-29)	Yellowish white (1,2)		
Forehead	85 (56.7)	—	33 (22.0)	29 (19.3)	3 (2.0)	—		
Upper Arm	23 (15.3)	81 (54.0)	30 (20.0)	13 (8.7)	3 (2.0)	—		
Breast	25 (16.7)	47 (31.3)	37 (24.7)	38 (25.3)	2 (1.3)	1 (0.7)		
Hair (on the head)								
Colour	Black	Brown	Reddish brown	Dark blonde	Red	Grey		
	40 (26.7)	43 (28.7)	1 (0.7)	64 (42.7)	1 (0.7)	1 (0.7)		
Character	Straight	Wavy	Curly					
	101 (67.3)	47 (31.3)	2 (1.3)					
Quantity	+	++	Missing					
	2 (1.3)	147 (98.0)	1 (0.7)					
Beard and Moustache								
Quantity	+	++						
	86 (57.3)	64 (42.7)						
Colour	Black	Brown	Dark blonde	Yellow	Blonde	Very light brown	Red	Missing
	16 (10.7)	53 (35.3)	67 (44.7)	1 (0.7)	1 (0.7)	1 (0.7)	1 (0.7)	10 (6.7)
Body Hair								
Quantity	+	++	Nil	Missing				
	64 (42.7)	7 (4.7)	78 (52.0)	1 (0.7)				
Colour	Black	Brown	Dark blonde	Blonde	Missing			
	2 (1.3)	12 (8.0)	8 (5.3)	2 (1.3)	126 (84.0)			

Eyes

	Black brown	Dark brown	Brown	Clear brown	Greenish	Dark grey	Bright grey
Colour	(1) 2 (1.3)	(2-3) 36 (24.0)	(4) 47 (31.3)	(5-6) 44 (29.3)	(7-8) 14 (9.3)	(9-10) 4 (2.7)	(11-13) 3 (2.0)
Form	Round 135 (90.0)	Slanting 14 (9.3)		Missing 1 (0.7)			
Epicanthic Fold	+ 8 (5.3)	+ + 1 (0.7)	Nil 140 (93.3)	Missing 1 (0.7)			

Forehead

Height	+ 79 (52.7)	+ + 1 (0.7)	Narrow 4 (2.7)	Low 56 (37.3)	Missing 10 (6.7)		
Breadth	+ 125 (83.3)	Missing 25 (16.7)					
Slope Back- ward	+ 19 (12.7)	+ + 2 (1.3)	Well arched 1 (0.7)	Vertical 6 (4.0)	Nil 24 (16.0)	Missing 98 (65.3)	
Supra Orbital Ridges	+ 127 (84.7)	+ + 3 (2.0)	Nil 1 (0.7)	Missing 19 (12.7)			
Nose							
Nasion Depression	+ 5 (3.3)	+ + 1 (0.7)	+ + + 2 (1.3)	Nil 141 (94.0)	Missing 1 (0.7)		
Nasal Bridge	+ 50 (33.3)	+ + 87 (58.0)	+ + + 4 (2.7)	Br. 2 (1.3)	Dth. 6 (4.0)	Missing 1 (0.7)	
Nasal Septum	Straight 105 (70.0)	Convex 38 (25.3)	Concave 7 (4.7)				

Lips

Character	Thin 48 (32.0)	Moderate 100 (66.7)	Thick 2 (1.3)
------------------	-----------------------------	----------------------------------	----------------------------

Chin

Character	Moderate 81 (54.0)	Pointed 42 (28.0)	Broad 27 (18.0)
------------------	---------------------------------	--------------------------------	------------------------------

Face

Shape	Long 16 (10.7)	Pear 65 (43.3)	Oval 4 (2.7)	Round 7 (4.7)	Square 58 (38.7)
--------------	-----------------------------	-----------------------------	---------------------------	----------------------------	-------------------------------

*Tribe—Kho**No. of individuals—90**Locality—Lower
Chitral***Skin Colour**

	Reddish white (3,9-11)	White (7,8)	Light reddish brown (12)	Light brown (13-16)	Brown (17,18,26-29)
Forehead	47 (52.2)	1 (1.1)	18 (20.0)	21 (23.3)	3 (3.3)
Upper Arm	16 (17.8)	43 (47.8)	22 (24.4)	9 (10.0)	—
Breast	19 (21.1)	20 (22.2)	22 (24.4)	29 (32.2)	

Hair (On the Head)

	Black	Brown	Dark blonde	Blonde	
Colour	17 (18.9)	30 (33.3)	39 (43.3)	4 (4.4)	
Character	Straight	Wavy			
	61 (67.8)	29 (32.2)			
Quantity	+	++			
	3 (3.3)	87 (96.7)			

Beard and Moustache

Quantity	+	++	+++		
	54 (60.0)	33 (36.7)	3 (3.3)		
	Black	Brown	Dark blonde	Blonde	Missing
Colour	11 (12.2)	39 (43.3)	38 (42.2)	1 (1.1)	1 (1.1)

Body Hair

Quantity	+	++	Nil		
	33 (36.7)	6 (6.7)	51 (56.7)		
	Black	Brown	Dark blonde	Blonde	Missing
Colour	3 (3.3)	2 (2.2)	7 (7.8)	1 (1.1)	77 (85.6)

Eyes

Colour	Black brown (1)	Dark brown (2-3)	Brown (4)	Clear brown (5-6)	Greenish (7-8)	Dark grey (9-10)	Bright grey (11-13)	Blue (14-15)
	2 (2.2)	26 (28.9)	34 (37.8)	18 (20.0)	6 (6.7)	2 (2.2)	1 (1.1)	1 (1.1)

Form	Round	Slanting	Missing		
	77 (85.6)	12 (13.3)	1 (1.1)		
Epicanthic Fold	+	Nil			
	7 (7.8)	83 (92.2)			
Forehead					
Height	+	Low	Very low	Narrow	Missing
	38 (42.2)	46 (51.1)	1 (1.1)	2 (2.2)	3 (3.3)
Breadth	+	Missing			
	81 (90.0)	9 (10.0)			
Slope Backward	+	++	Vertical	Nil	Missing
	8 (8.9)	2 (2.2)	3 (3.3)	20 (22.2)	57 (63.3)
Supra Orbital Ridges	+	+++	Missing		
	85 (94.4)	1 (1.1)	4 (4.4)		
Nose					
Nasion Depression	+	+++	Nil	Missing	
	8 (8.9)	2 (2.2)	79 (87.8)	1 (1.1)	
Nasal Bridge	+	++	Dth.		
	29 (32.2)	52 (57.8)	9 (10.0)		
Septum	Straight	Convex	Concave		
	70 (77.8)	17 (18.9)	3 (3.3)		
Lips					
Character	Thin	Moderate			
	29 (32.2)	61 (67.8)			
Chin					
Character	Moderate	Pointed	Broad		
	56 (62.2)	15 (16.7)	19 (21.1)		
Face					
Shape	Long	Pear	Oval	Round	Square
	12 (13.3)	42 (46.7)	1 (1.1)	5 (5.6)	30 (33.3)

N. B. Figures within bracket indicate percentages.

*Tribe—Red Kaffir**No. of individuals—100**Locality—Chitral***Skin Colour**

	Reddish white	White	Light reddish brown	Light brown	Brown	Bright tawny
	(3,9-11)	(7,8)	(12)	(13-16)	(17-18, 26-29)	(6,22-25)
Forehead	37 (37.0)	5 (5.0)	15 (15.0)	29 (29.0)	12 (12.0)	2 (2.0)
Upper Arm	16 (16.0)	40 (40.0)	11 (11.0)	16 (16.0)	16 (16.0)	1 (1.0)
Breast	14 (14.0)	35 (35.0)	18 (18.0)	17 (17.0)	15 (15.0)	1 (1.0)

Hair (On the Head)

Colour	Black	Dark blonde	Brown	Grey	Dark brown	Red
	51 (51.0)	23 (23.0)	11 (11.0)	11 (11.0)	3 (3.0)	1 (1.0)
Character	Straight		Wavy			
	96 (96.0)		4 (4.0)			
Quantity	+	+	+	+		
	6 (6.0)	88 (88.0)	6 (6.0)			

Beard and Moustache

Quantity	+	+	+	+		
	30 (30.0)	59 (59.0)	11 (11.0)			
Colour	Black	Dark blonde	Brown	Grey	Dark brown	Missing
	42 (42.0)	24 (24.0)	16 (16.0)	9 (9.0)	2 (2.0)	7 (7.0)

Body Hair

Quantity	+	+	+	+	Nil	
	65 (65.0)	25 (25.0)	2 (2.0)	8 (8.0)		
Colour	Black	Dark blonde	Brown	Grey	Dark brown	Missing
	23 (23.0)	8 (8.0)	6 (6.0)	3 (3.0)	1 (1.0)	59 (59.0)

Eyes

Colour	Black brown	Dark brown	Brown	Clear brown	Greenish	Dark grey	Blue
	(1)	(2, 3)	(4)	(5, 6)	(7, 8)	(9, 10)	(14, 15)
	5 (5.0)	28 (28.0)	33 (33.0)	22 (22.0)	7 (7.0)	2 (2.0)	3 (3.0)

Form	Round		Slanting					
		96 (96.0)		4 (4.0)				
Epicanthic Fold	+		Nil					
		3 (3.0)	97 (97.0)					
Forehead								
Height	+	++	Low	Well arched	Missing			
		67 (67.0)	2 (2.0)	25 (25.0)	2 (2.0)	4 (4.0)		
Breadth	+	++	Missing					
		80 (80.0)	11 (11.0)	9 (9.0)				
Slope Backward	+	++	Receding	Vertical	Well arched	Nil	Missing	
		17 (17.0)	2 (2.0)	1 (1.0)	4 (4.0)	4 (4.0)	17 (17.0)	55 (55.0)
Supra-orbital Ridges	+	++	+++	Missing				
		65 (65.0)	29 (29.0)	1 (1.0)	5 (5.0)			
Nasion Depression	+	++	Nil	Missing				
		7 (7.0)	1 (1.0)	62 (62.0)	30 (30.0)			
Nasal Bridge	+	++	+++	Dth.	Br.	Missing		
		19 (19.0)	47 (47.0)	7 (7.0)	4 (4.0)	19 (19.0)	4 (4.0)	
Nasal Septum	Straight		Convex	Concave				
		70 (70.0)	29 (29.0)	1 (1.0)				
Lips								
Character	Moderate	Thin	Thick					
	60 (60.0)	32 (32.0)	8 (8.0)					
Chin								
Character	Moderate	Broad	Pointed	Square	Thin			
	66 (66.0)	16 (16.0)	15 (15.0)	1 (1.0)	2 (2.0)			
Face								
Shape	Pearn	Round	Oval	Square	Long	Triangular		
	36 (36.0)	3 (3.0)	14 (14.0)	29 (29.0)	13 (13.0)	5 (5.0)		

N. B. Figures within bracket indicate percentages.

*Tribe—Khalash**No. of individuals—69**Locality—Chitral***Skin Colour**

	Reddish white	White	Light reddish brown	Light brown	Brown
	(3,9-11)	(7,8)	(12)	(13-16)	(17,18 26,29)
Forehead	32 (46.4)	7 (10.1)	14 (20.3)	15 (21.7)	1 (1.5)
Upper Arm	12 (17.4)	18 (26.1)	21 (30.4)	14 (20.3)	4 (5.8)
Breast	4 (5.8)	10 (14.5)	23 (33.3)	26 (37.7)	6 (8.7)

Hair (On the Head)

Colour	Black	Dark blonde	Brown	Grey	Blonde	Missing
	33 (47.8)	12 (17.4)	9 (13.0)	11 (15.9)	3 (4.4)	1 (1.5)
Character	Straight	Wavy				
	65 (94.2)	4 (5.8)				
Quantity	+	++	Missing			
	9 (13.0)	58 (84.1)	2 (2.9)			

Beard and Moustache

Quantity	+	++	+++		
	19 (27.5)	46 (66.7)	4 (5.8)		
Colour	Black	Dark blonde	Brown	Grey	Missing
	15 (21.7)	18 (26.1)	24 (34.8)	11 (15.9)	1 (1.5)

Body Hair

Quantity	+	++	+++	Nil		
	45 (65.2)	17 (24.6)	1 (1.5)	6 (8.7)		
Colour	Black	Dark blonde	Brown	Grey	Blonde	Missing
	9 (13.0)	8 (11.6)	8 (11.6)	11 (15.9)	1 (1.5)	32 (46.4)

Eyes

Colour	Black brown	Dark brown	Brown	Clear brown	Greenish	Dark grey	Bright grey
	(1)	(2, 3)	(4)	(5, 6)	(7, 8)	(9, 10)	(11-13)
	3 (4.3)	18 (26.1)	20 (29.0)	17 (24.6)	6 (8.7)	2 (2.9)	3 (4.4)

Form	Round	Slanting	Missing			
	64 (92.8)	4 (5.8)	1 (1.4)			
Epicanthic Fold	+	Nil				
	3 (4.3)	66 (95.7)				
Forehead						
Height	+	Low	Very low	Missing		
	38 (55.1)	23 (33.3)	2 (2.9)	6 (8.7)		
Breadth	+	Missing				
	50 (72.5)	19 (27.5)				
Slope Backward	+	++	+++	Nil	Missing	
	20 (29.0)	4 (5.8)	1 (1.4)	12 (17.4)	32 (46.4)	
Supra Orbital Ridges	+	++	Missing			
	57 (82.6)	11 (15.9)	1 (1.5)			
Nose						
Nasion Depression	+	+++	Nil	Missing		
	6 (8.7)	1 (1.4)	60 (87.0)	2 (2.9)		
Nasal Bridge	+	++	Br.	Dth.	Missing	
	36 (52.2)	17 (24.6)	8 (11.6)	7 (10.1)	1 (1.5)	
Nasal Septum	Straight		Convex	Concave		
	44 (63.8)		21 (30.4)	4 (5.8)		
Lips						
Character	Moderate	Thin	Thick			
	42 (60.9)	24 (34.8)	3 (4.3)			
Chin						
Character	Moderate	Pointed	Broad			
	50 (72.5)	10 (14.5)	9 (13.0)			
Face						
Shape	Pear	Round	Oval	Square	Long	Triangular
	26 (37.7)	2 (2.9)	5 (7.2)	22 (31.9)	12 (17.4)	2 (2.9)

N. B. Figures within bracket indicate percentages.

<i>Tribe—Tadjik</i>	<i>No. of individual—62</i>				<i>Locality—Chitral</i>
Skin Colour					
	Reddish white	White	Light reddish brown	Light brown	Brown
	(3, 9-11)	(7, 8)	(12)	(13-16)	17, 18 26-29)
Forehead	34 (54.8)	—	5 (8.1)	22 (35.5)	1 (1.6)
Upper Arm	11 (17.7)	47 (75.8)	3 (4.8)	1 (1.6)	—
Breast	10 (16.1)	38 (61.3)	7 (11.3)	7 (11.3)	—
Hair (On the Head)					
Colour	Black	Brown	Dark blonde	Grey	
	32 (51.6)	12 (19.4)	16 (25.8)	2 (3.2)	
Character	Straight	Wavy	Curly		
	59 (95.2)	2 (3.2)	1 (1.6)		
Quantity	+ 7 (11.3)	++ 55 (88.7)			
Beard and Moustache					
Quantity	+ 18 (29.0)	++ 42 (67.8)	+++ 1 (1.6)	Missing 1 (1.6)	
Colour	Black	Brown	Dark blonde	Missing	
	15 (24.2)	21 (33.9)	24 (38.7)	2 (3.2)	
Body Hair					
Quantity	+ 33 (53.2)	++ 8 (12.9)	Nil 20 (32.3)	Missing 1 (1.6)	
Colour	Black	Brown	Dark blonde	Missing	
	4 (6.5)	11 (17.7)	4 (6.5)	43 (69.4)	
Eyes					
Colour	Dark brown	Brown	Clear brown	Greenish	Bright grey
	(2, 3)	(4)	(5, 6)	(7, 8)	(11-13)
	15 (24.2)	27 (43.5)	15 (24.2)	4 (6.5)	1 (1.6)

Form	Round	Slanting	Missing		
	53 (85.5)	7 (11.3)	2 (3.2)		
Epicanthic Fold	+	Nil	Missing		
	4 (6.5)	55 (88.7)	3 (4.8)		
Forehead					
Height	+	Low	Missing		
	36 (58.1)	23 (37.1)	3 (4.8)		
Breadth	+	++	+++	Missing	
	48 (77.4)	4 (6.5)	1 (1.6)	9 (14.5)	
Slope Back- ward	+	++	Vertical	Nil	Missing
	14 (22.6)	1 (1.6)	6 (9.7)	15 (24.2)	26 (41.9)
Supra Orbital Ridges	+	++	Missing		
	49 (79.0)	6 (9.7)	7 (11.3)		
Nose					
Nasion Depression	+	++	+++	Nil	Missing
	3 (4.8)	3 (4.8)	6 (9.7)	39 (62.9)	11 (17.7)
Nasal Bridge	+	++	+++	Broad	Depressed
	20 (32.3)	29 (46.8)	1 (1.6)	4 (6.5)	8 (12.9)
Septum	Straight	Convex	Concave		
	48 (77.4)	11 (17.7)	3 (4.8)		
Lips					
Character	Thin	Moderate	Thick		
	20 (32.3)	39 (62.9)	3 (4.8)		
Chin					
Character	Moderate	Pointed	Broad	Thin	
	35 (56.5)	10 (16.1)	16 (25.8)	1 (1.6)	
Face					
Shape	Long	Pear	Oval	Round	Square
	5 (8.1)	24 (38.7)	7 (11.3)	3 (4.8)	23 (37.1)

N. B. Figures within bracket indicate percentages.

Tribe—Pathan *No. of individuals—50* *Locality—Chitral*

Skin colour

	Reddish white	White	Light reddish brown	Light brown	Brown
	(3, 9-11)	(7, 8)	(12)	(13-16)	(17, 18, 26-29)
Forehead	10 (20.0)	—	14 (28.0)	24 (48.0)	2 (4.0)
Upper Arm	7 (14.0)	30 (60.0)	10 (20.0)	3 (6.0)	—
Breast	7 (14.0)	18 (36.0)	19 (38.0)	6 (12.0)	—

Hair (On the Head)

Colour	Black	Dark blonde	Brown	Grey	Dark brown	Blonde
	21 (42.0)	17 (34.0)	5 (10.0)	2 (4.0)	1 (2.0)	4 (8.0)
Character	Straight	Wavy	Curly			
	37 (74.0)	10 (20.0)	3 (6.0)			
Quantity	+	++	Missing			
	8 (16.0)	40 (80.0)	2 (4.0)			

Beard and Moustache

Quantity	+	++					
	22 (44.0)	28 (56.0)					
Colour	Black	Dark blonde	Brown	Grey	Dark brown	Blonde	Missing
	11 (22.0)	27 (54.0)	4 (8.0)	1 (2.0)	1 (2.0)	2 (4.0)	4 (8.0)

Body Hair

Quantity	+	++	Nil			
	28 (56.0)	6 (12.0)	16 (32.0)			
Colour	Black	Dark blonde	Brown	Grey	Missing	
	5 (10.0)	3 (6.0)	2 (4.0)	1 (2.0)	39 (78.0)	

Eyes

Colour	Black brown	Dark brown	Brown	Clear brown	Greenish	Bright grey	Blue
	(1)	(2, 3)	(4)	(5, 6)	(7, 8)	(11-13)	(14, 15)
	9 (18.0)	22 (44.0)	9 (18.0)	4 (8.0)	3 (6.0)	2 (4.0)	1 (2.0)

Form	Round 45 (90.0)	Slanting 5 (10.0)			
Epicanthic Fold	+ 4 (8.0)	Nil 46 (92.0)			
Forehead					
Height	+ 33 (66.0)	Low 15 (30.0)	Narrow 1 (2.0)	Missing 1 (2.0)	
Breadth	+ 33 (66.0)	Missing 17 (34.0)			
Slope Back- ward	+ 13 (26.0)	++ 8 (16.0)	Nil 1 (2.0)	Missing 28 (56.0)	
Supra Orbital Ridges	+ 48 (96.0)	++ 1 (2.0)	Missing 1 (2.0)		
Nose					
Nasion Depression	+ 3 (6.0)	++ 2 (4.0)	Nil 45 (90.0)		
Nasal Bridges	+ 15 (30.0)	++ 31 (62.0)	Depressed 3 (6.0)	Broad 1 (2.0)	
Nasal Septum	Straight 31 (62.0)	Convex 19 (38.0)			
Lips					
Character	Moderate 37 (74.0)	Thin 11 (22.0)	Thick 2 (4.0)		
Chin					
Character	Moderate 24 (48.0)	Pointed 17 (34.0)	Broad 9 (18.0)		
Face					
Shape	Pear 19 (38.0)	Round 3 (6.0)	Oval 2 (4.0)	Square 18 (36.0)	Long 8 (16.0)

N. B. Figures within bracket indicate percentages.

Tribe—Uzbeq & Turk

No. of individuals—33

Locality—Chitral

Skin Colour

	Reddish white (3, 9-11)	White (7, 8)	Light reddish brown (12)	Light brown (13-16)	Brown (17, 18, 26-29)
Forehead	16 (48.5)	—	4 (12.1)	8 (24.2)	5 (15.2)
Upper Arm	5 (15.2)	22 (66.7)	5 (15.1)	1 (3.0)	—
Breast	6 (18.2)	19 (57.6)	6 (18.2)	1 (3.0)	1 (3.0)

Hair (On the Head)

Colour	Black 23 (69.7)	Dark blonde 9 (27.3)	Brown 1 (3.0)
Character	Straight 33 (100.0)		
Quantity	+		++
	2 (6.1)		31 (93.9)

Beard and Moustache

Quantity	+		++		
	17 (51.5)		16 (48.5)		
Colour	Black 10 (30.3)	Dark blonde 11 (33.3)	Brown 5 (15.2)	Grey 1 (3.0)	Missing 6 (18.2)

Body Hair

Quantity	+		Nil
	12 (36.4)		21 (63.6)
Colour	Dark Blonde 1 (3.0)		Missing 32 (97.0)

Eyes

Colour	Black brown (1)	Dark brown (2, 3)	Brown (4)	Clear brown (5, 6)	Greenish (7, 8)	Dark grey (9, 10)	Bright grey (11, 13)
	2 (6.1)	15 (45.5)	7 (21.2)	5 (15.1)	2 (6.1)	1 (3.0)	1 (3.0)

Form	Round		Slanting		
	11 (33.3)		22 (66.7)		
Epicanthic Fold	+	++	Nil		
	15 (45.4)	2 (6.1)	16 (48.5)		
			Forehead		
Height	+	++	Low	Missing	
	21 (63.7)	1 (3.0)	10 (30.3)	1 (3.0)	
Breadth	+	++	Missing		
	30 (90.9)	2 (6.1)	1 (3.0)		
Slope Backward	+	Vertical	Nil	Missing	
	1 (3.0)	3 (9.1)	3 (9.1)	26 (78.8)	
Supra Orbital Ridges	+	++	Missing		
	15 (45.5)	1 (3.0)	17 (51.5)		
			Nose		
Nasion Depression	+	+++	Nil	Missing	
	12 (36.4)	3 (9.1)	16 (48.5)	2 (6.1)	
Nasal Bridge	+	++	Depressed	Broad	
	14 (42.4)	2 (6.1)	15 (45.5)	2 (6.1)	
Nasal Septum	Straight	Convex	Concave		
	28 (84.9)	1 (3.0)	4 (12.1)		
			Lips		
Character	Moderate	Thick	Thin		
	23 (69.7)	7 (21.2)	3 (9.1)		
			Chin		
Character	Moderate	Pointed	Broad		
	23 (69.7)	5 (15.2)	5 (15.2)		
			Face		
Shape	Pear	Round	Oval	Square	Long
	12 (36.4)	4 (12.1)	1 (3.0)	14 (42.4)	2 (6.1)

N. B. Figures within bracket indicate percentages.

*Tribe - Badakshi**No. of individuals - 17**Locality - Chitral***Skin Colour**

	Reddish white	White	Light reddish brown	Light brown	Brown	Yellowish brown
	(3, 9-11)	(7, 8)	(12)	(13-16)	(17, 18, 26-29)	(4, 5, 19, 20)
Forehead	12 (70.6)	—	—	1 (5.9)	3 (17.6)	1 (5.9)
Upper Arm	10 (58.8)	4 (23.5)	1 (5.9)	2 (11.8)	—	—
Breast	5 (29.4)	3 (17.6)	3 (17.6)	5 (29.4)	1 (5.9)	—

Hair (On the Head)

Colour	Black	Dark blonde	Brown	Missing
	14 (82.3)	1 (5.9)	1 (5.9)	1 (5.9)
Character	Straight			
	17 (100.0)			
Quantity	++ 17 (100.0)			

Beard and Moustache

Quantity	+		++	
	11 (64.7)		6 (35.3)	
Colour	Black	Dark blonde	Brown	Missing
	6 (35.3)	4 (23.5)	2 (11.8)	5 (29.4)

Body Hair

Quantity	+		Nil	
	16 (94.1)		1 (5.9)	
Colour	Black	Missing		
	1 (5.9)	16 (94.1)		

Eyes

Colour	Dark brown	Brown	Clear brown
	(2, 3)	(4)	(5, 6)
	6 (35.3)	5 (29.4)	6 (35.3)

Form	Round	Slanting				
	15 (88.2)	2 (11.8)				
Epicanthic Fold	Nil	Missing				
	16 (94.1)	1 (5.9)				
Forehead						
Height	+	Receding	Low	Missing		
	10 (58.8)	1 (5.9)	3 (17.6)	3 (17.6)		
Breadth	+	++	Missing			
	7 (41.2)	1 (5.9)	9 (52.9)			
Slope Backward	+	++	Receding	Vertical	Well arched	Missing
	2 (11.8)	2 (11.8)	2 (11.8)	3 (17.6)	1 (5.9)	7 (41.2)
Supra Orbital Ridges	+	++	Missing			
	14 (82.4)	2 (11.8)	1 (5.9)			
Nose						
Nasion Depression	N	Nil	Missing			
	2 (11.8)	5 (29.4)	10 (58.8)			
Nasal Bridge	Py. ++	M = M Pr. +	(MB) BY	Missing		
	10 (58.8)	3 (17.6)	2 (11.8)	2 (11.8)		
Septum	Convex			Straight		
	5 (29.4)			12 (70.6)		
Lips						
Character	Thin	Moderate	Thick			
	9 (52.9)	7 (41.2)	1 (5.9)			
Chin						
Character	Moderate	Broad	Pointed			
	11 (64.7)	2 (11.8)	4 (23.5)			
Face						
Shape	Long	Pear	Oval	Round	Triangular	Sq. are
	4 (23.5)	4 (23.5)	3 (17.6)	1 (5.9)	1 (5.9)	4 (23.5)

Tribe—Ashreti *No. of individual—20* *Locality—Chitrol*

Skin Colour

	Reddish white (3, 9-11)	White (7, 8)	Light reddish brown (12)	Light brown (13-16)
Forehead	10 (50.0)	—	3 (15.0)	7 (35.0)
Upper arm	1 (5.0)	10 (50.0)	5 (25.0)	4 (20.0)
Breast	2 (10.0)	7 (35.0)	6 (30.0)	5 (25.0)

Hair (On the Head)

	Black	Brown	Dark blonde	Grey
Colour	7 (35.0)	5 (25.0)	3 (15.0)	5 (25.0)
Character	Straight 18 (90.0)	Curly 1 (5.0)	Missing 1 (5.0)	
Quantity	++		Missing 1 (5.0)	

Beard and Moustache

	Black	Brown	Light brown	Grey	Missing
Quantity	6 (30.0)	10 (50.0)	4 (20.0)		
Colour	3 (15.0)	4 (20.0)	2 (10.0)	2 (10.0)	9 (45.0)

Body Hair

	Grey	Missing
Quantity	1 (5.0)	17 (85.0)
Colour	1 (5.0)	19 (95.0)

Eyes

	Dark brown (2-3)	Brown (4)	Clear brown (5-6)	Dark Grey (9-10)
Colour	3 (15.0)	10 (50.0)	5 (25.0)	2 (10.0)

APPENDIX C

Form	Round	Slanting		
	19 (95.0)	1 (5.0)		
Epicanthic Fold		Nil		
		20 (100.0)		
		Forehead		
Height		Missing		
		20 (100.0)		
Breadth		20 (100.0)		
Slope Back- ward		20 (100.0)		
Supra Orbital Ridges		20 (100.0)		
		Nose		
Nasion Depression		Missing		
		20 (100.0)		
Nasal Bridge	Straight	Missing		
	8 (40.0)	12 (60.0)		
Nasal Septum		Missing		
		20 (100.0)		
		Lips		
Character		Missing		
		20 (100.0)		
		Chin		
Character		Missing		
		20 (100.0)		
		Face		
Shape	Long	Pear	Oval	Square
	5 (25.0)	7 (35.0)	3 (15.0)	5 (25.0)

*Tribe—Dameli**No. of individuals—18**Locality—Chitral***Skin Colour**

	Reddish white	White	Light reddish brown	Light brown
	(3, 9—11)	(7, 8)	(12)	(13—16)
Forehead	11 (61.1)	—	3 (16.7)	4 (22.2)
Upper Arm	3 (16.7)	9 (50.0)	5 (27.8)	1 (5.6)
Breast	3 (16.7)	6 (33.3)	8 (44.4)	1 (5.6)

Hair (On the Head)

Colour	Black	Brown	Dark blonde	Missing	
	7 (38.9)	3 (16.7)	7 (38.9)	1 (5.6)	
Character	Straight	Wavy	Curly	Broad Wavy	Missing
	14 (77.8)	1 (5.6)	1 (5.6)	1 (5.6)	1 (5.6)
Quantity	+		++		
	2 (11.1)		16 (88.9)		

Beard and Moustache

Quantity	+	++	+++	Missing	
	3 (16.7)	13 (72.2)	1 (5.6)	1 (5.6)	
Colour	Black	Brown	Dark blonde	Light brown	Missing
	1 (5.6)	1 (5.6)	2 (11.1)	1 (5.6)	13 (72.2)

Body Hair

Quantity	+	++	+++	Nil	Missing
	3 (16.7)	2 (11.1)	1 (5.6)	1 (5.6)	11 (61.1)
Colour	Black		Missing		
	1 (5.6)		17 (94.4)		

Eyes

Colour	Dark brown (2-3)	Brown (4)	Clear brown (5-6)	Greenish (7-8)	Missing
	5 (27.8)	8 (44.4)	1 (5.6)	2 (11.1)	2 (11.1)

Form	Round 14 (77.8)	Slanting 2 (11.1)	Missing 2 (11.1)	
Epicanthic Fold	Nil 17 (94.4)		Missing 1 (5.6)	
Forehead				
Height	+	Low	Missing	
	1 (5.6)	2 (11.1)	15 (83.3)	
Breadth	+		Missing	
	3 (16.7)		15 (83.3)	
Slope Back- ward	Receding		Missing	
	1 (5.6)		17 (94.4)	
Supra Orbital Ridges	+		Missing	
	3 (16.7)		15 (83.3)	
Nose				
Nasion Depression	Nil		Missing	
	3 (16.7)		15 (83.3)	
Nasal Bridge	Moderate	Straight	Broad	Missing
	1 (5.6)	4 (22.2)	2 (11.1)	11* (61.1)
Nasal Septum	Straight 4 (22.2)		Missing 14 (77.8)	
Lips				
Character	Moderate		Missing	
	3 (16.7)		15 (83.3)	
Chin				
Character	Moderate	Pointed	Broad	Missing
	1 (5.6)	1 (5.6)	1 (5.6)	15 (83.3)
Face				
Shape	Long	Plan	Square	Missing
	3 (16.7)	8 (44.4)	5 (27.8)	2 (11.1)

*Includes 3 individuals characterised as 'V. dat.', 'curred at root' and 'turned down' respectively.

APPENDIX D

Original measurements in mm of 150 males of the tribes of Chitral taken by Dr B. S. Guha in 1929

Individual No.	Tribe—Kho				No. of individuals—150									Locality—Upper Chitral						
	Age	Stature	Height up to Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
170	40	1670	1538	132	205	149	108	137	105	28	97	105	60	40	22	74	125	587	382	355
171	25	1642	1517	125	193	142	104	132	98	28	101	116	55	33	28	67	122.5	549	366	336
172	25	1613	1483	130	192	152	111	141	110	33	103	120	51.5	33.5	25	65	121	557	355	343
173	45	1680	1547	133	188	147	101.5	136	102	29	93	105	54	36	25	69	115	530	333	335
174	28	1568	1442	126	188	144	102	130	102	30	93	106	56	35	22	65	113	540	355	320
175	30	1668	1551	117	189	147	113	143	103	33	103	113	63	35	27	74	132	545	340	330
178	40	1600	1484	116	187	147	108	137	111	32	97	115	55	34	27	69	118	537	341	325
179	40	1527	1393	134	195	154	107	135	104	29	98	107	59	39	28	73	119	567	372	354
180	36	1640	1510	130	195	153	114	137	104	34	98	115	58	37	25	70	122	563	374	343
181	35	1638	1511	127	192	158	112	147	111	33	101.5	116	56	36	26	71	127	574	355	353
184	33	1648	1533	115	192	144	107	138	113	34	105	123	54	38	25	68	121	550	345	341
186	28	1663	1541	122	187	146	108	133	96	30	101	115	59	39	23	72	126	544	356	330

APPENDIX D

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
187	26	1683	1563	120	195	149	104	133	98	28.5	101	114	50	34	23	64	119	543	366	356
188	40	1595	1471	124	181	140	107	130	93	31	99	111	58	35	31	77	124	532	351	325
190	45	1633	1505	128	195	147	109	138	107	34	100	110	56	36	30	72	123	557	345	330
191	36	1545	1428	117	189	152	105	139	98	32	101	113	50	33	23	68	120	550	359	324
193	35	1627	1504	123	189	147	106	133	102	31	97	108	57	31	29	69	123	548	358	335
202	45	1621	1486	135	191	153	105	137	110	31.5	98	113	58	39	25	75	127	565	369	351
33	37	1611	1497	114	198	152	108	144	111	35	103	112	52	38	24	64	122	565	364	340
34	26	1546	1418	128	198	143	107	132	99	27	90	98	55	31.5	23	66	120	561	366	333
35	40	1600	1479	121	182	145	105	139	107	29	94	105	52.5	35	22	63	111	535	329	325
36	27	1686	1559	127	188	147	108	136	108	32	96	110	56	37	24	66	118	537	330	326
37	42	1634	1513	121	190	141	106	132	105	30	92	105	53	34	25	69	122	544	341	324
38	41	1623	1500	123	194	152	110	139	104	28.5	97	104	54	35	24	69	121	564	352	338
39	43	1613	1496	117	182	148	103	130	99	31	98	105	53	36	24	67	121.5	534	322	325
40	26	1656	1535	121	186	144	108	130	96	32	102	114	50	31	23	60	117	540	334	321
41	25	1692	1559	133	188	155	110	140	102	35	98	113	56	31	28	70	125	554	341	339
42	26	1531	1421	110	179	142	100	127	97	33	92	104	54	33	30	68	116	522	324	310
58	40	1730	1603	127	189	150	108	135	107	34	100	100	59.5	38	28	75	127.5	551	336	337
59	26	1582	1454	128	175	148	109	131	102	28	95	107	56	39	27	69	122	524	330	333
60	44	1657	1532	125	187	150	109	140	105	31	100	108	60	36.5	28	71	126	542	343	330

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nas Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nas Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
61	42	1671	1551	120	190	144	104	136	102	33	87	106	57	33	30.5	69	117	548	338	330
62	27	1555	1427	128	183	141	100	130	101	31.5	94	105	55	35	24	70	119	528	340	334
63	34	1604	1471	133	197	145	109	132	97	31	95	109	60	35	27	69	121	552	345	340
64	32	1633	1517	116	184	144	103.5	135	101	31	92	102	52	31	20	63	118	535	333	333
65	35	1591	1474	117	183	144	101	137	98	31	94	106	51	33	24	65	115	535	340	325
66	42	1662	1540	122	179	139	103	130	106	33	94	105	52	36	23	64	118	525	328	317
67	41	1507	1378	129	190	146	106	137	110	31	94	104	53	37	24.5	72	122	542	348	325
68	44	1644	1529	115	192	144	100	132	111	30	92	103	59	39	25	77	126	530	334	325
69	40	1585	1459	126	192	145	108.5	140	100	33	97	108	54	37	30	69	117	550	352	338
90	38	1648	1529	119	186	144	103	132	103	32	95	105	52	35	25	70	125	541	352	331
205	24	1649	1523	126	189	142	107	134	105	35	102	114	54	34	30	68	124	536	335	330
211	36	1666	1542	124	187	149	107	133	109	30	98	115	57	40	29	72	127	552	356	338
212	26	1520	1398	122	191	145	101	123	94	27	90	98	56.5	36	26	70	118	543	354	335
213	40	1635	1508	127	194	147	105	135	97	28	100	110	57	34	27	70	122	555	364	341
214	60	1595	1473	122	189	149	102	146	119	30	103	110	54	41	24	67	110	551	330	311
215	25	1569	1446	123	194	145	105	133	105	34	103	119	53.5	35	26	65	117	554	350	330
216	26	1666	1544	123	190	145	105	134	98	30	100	111	54	36	22	66	117	542	350	341

APPENDIX D

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
217	30	1551	1429	122	184	153	109	131	99	32	100	113	54	32.5	22	71	121	539	347	335
218	27	1665	1539	126	184	143	108	127	106	30	93	99	45	36	21	59	104	522	351	325
219	25	1665	1540	125	170	139	102	126	95	27	94	103	47	31	20	59	115	502	324	300
220	26	1526	1400	126	195	145	103.5	132	99	32	95	112	53	33	21	65	118	543	361	339
237	45	1640	1535	105	192	154	106	145	102	31	105	116	50.5	36.5	25	68	121	563	344	360
238	40	1665	1542	123	185	158	106	145	100	29	103	114	55	35	24	69	120	564	356	353
239	42	1572	1448	124	194	142	104.5	136	92	31	98	105	53	37	22	67	119	553	366	330
243	27	1607	1489	118	185	152	104	130	99	29	96.5	109	48	35	22	65	119	544	348	335
259	48	1580	1458	122	181	142	101	128	97	34	97	109	57	37	26	67	119	520	327	324
260	36	1595	1468	127	182	149	104	139	96	28	96	106	53	33	25	68	117	541	342	340
261	40	1701	1572	129	192	142	104	128	99	31	96	109	54	33	25	72	123	539	349	330
264	36	1713	1573	140	191	151	101	138	107	33	101	113	57	36.5	24	71	126.5	558	341	340
265	25	1665	1522	143	185	139	99	129	101	30	95	103	55	34	24	61	115	523	350	314
268	30	1602	1494	108	189	141	104	135	104	32	100	112	48.5	39	26.5	66	116	544	345	319
269	30	1636	1520	116	185	150	106	134	102	31	96	108	58	32	25	72	119	546	333	344
270	40	1609	1494	115	193	142	102.5	137	98	27	89	102	60	34	29	70	115	555	338	325
271	36	1589	1478	111	195	147	106	137	106	32	99	110	55	32	26	70	130	558	356	327
272	28	1577	1456	121	195	145	102	133	95	30	92	115	48.5	36	25	64	115	549	353	328
273	35	1638	1506	132	189	155	106	135	91	30	91	105	56	31	25	68	119	558	357	354

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
283	30	1677	1545	132	189	151	107	138	100	30	97	115	59.5	33	30	73	125	554	358	333
287	45	1561	1445	116	177	142	97	127	95	29	94	102	57	35	25	68	126	518	323	320
288	24	1714	1585	129	191	138	97	128	85	29	97	109	58	34.5	24	67	118	544	358	344
289	46	1643	1524	119	187	152	101	133	98	31	90	104	60	35	25	72	123	547	351	344
396	42	1607	1490	117	193	147	113	139	105	35	101	108	55	35	27	69	118	554	349	322
294	35	1579	1446	133	182	148	112	156	102	30	98	108	59	39	23	68	118	545	348	341
295	45	1742	1615	127	182	154	105	146	122	31	104	112	57	39	26	68	126	541	330	331
296	26	1698	1574	124	190	149	101	125	111	30	95	108	58	33	26	76	136	553	351	340
297	28	1549	1436	113	185	147	104	128	103	28	95	110	56.5	30.5	24	71	117	539	345	334
300	32	1599	1469	130	192	147	105	132	103	32	98	108	54	34	25	67	120	547	363	343
302	40	1700	1563	137	192	148	100	130	93	30	92	104	56	37	25	69	121	550	361	347
303	25	1559	1431	128	189	154	108	137	108	34	100	114	52	34.5	25	68	117	551	364	355
408	40	1664	1536	128	188	147	102	135	110	34	97	104	50	37	25	64	118	537	362	336
409	42	1730	1609	121	188	147	104	132	96	32	96	103	54	37	23	67	123	541	347	339
410	45	1672	1535	137	197	147	109	137	105	33	97	105	51.5	39	25	69	120	554	340	333
411	38	1700	1578	122	209	146	108	140	112	32	98	110	59	38	25	71	125	583	364	320
412	26	1695	1564	131	191	142	100	130	101	30	98	110	53	34.5	27	66	121	541	360	340

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
413	35	1702	1586	116	181	144	103	130	106	31	92.5	106	55	33	25	70	128	525	321	315
414	34	1669	1543	126	184	150	100	131	103	29	90	100	57	35	29	66	115	537	346	343
415	40	1642	1519	123	176	148	102	137	99	30	98	109	60	35	27	74	125	529	334	330
416	35	1609	1484	125	187	151	108	143	115	33	102	114	55	33	25	71	125	544	344	348
417	42	1785	1659	126	199	157	109	137	118	34	99	112	55	35	30	75	136	584	387	340
441	26	1497	1382	115	185	145	102	130	99	27	89	103	52	30	23	63	115	533	354	319
442	36	1702	1582	120	199	150	103	139	104	31	97	107	58	39	27	70	120.5	562	352	345
443	28	1762	1640	122	184	147	109	135	108	30	97.5	108	55	36	28	72	128	539	343	323
444	26	1593	1469	124	187	156	108	138	101	31	96	105	53	29	23	65	116	546	343	335
445	32	1624	1502	122	188	147	104	135	107	31	94	106	51	35	25	66	119	546	354	339
446	35	1602	1483	119	192	143	106	132	107	32	94	108	55	31	25	65	119	542	353	323
447	40	1499	1394	105	182	145	101	128	100	29	92.5	98	44	30	24	53	106	532	356	315
448	40	1756	1630	126	195	147	103	143	109	29	97	110	56	31	28	75	128	555	363	335
453	36	1628	1500	128	178	148	98	130	98	28	91	103	56	35	27.5	67	120	531	340	337
454	34	1699	1572	127	201	150	101	137	98	30	93	110	63	33	32	72	126	568	364	342
455	32	1745	1609	136	189	148	104	140	111	29	96	108	62	35	26	72	127	554	348	336
456	24	1605	1487	118	190	146	99	128	97	32	91	102	52	35	30	67	118	542	352	334
457	35	1770	1635	135	201	159	106	143	104	32	100	112	55	35	26	69	120	583	382	350
458	37	1734	1611	123	186	151	110	137	105	31	98	112	57.5	35	32	70	128	555	354	336

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
459	36	1688	1564	124	191	146	107	136	106	30	97	106	58	33	26	67	117	550	369	326
460	32	1752	1634	118	182	149	106	127	101	31	93	110	56	34	32	71.5	128	535	338	339
471	29	1752	1633	119	184	152	108	143	103	32	100	105	54	37	28	70	126	547	349	335
483	41	1721	1606	115	188	144	105	129	106	30	93	108	52	38	25	66	127	545	345	329
484	36	1700	1572	128	197	156	115	142	107	31	103	120	54	41	25	71	120	572	353	354
485	32	1532	1417	115	177	144	105	135	100	31	94	102	46	35	21	55	107	525	325	315
306	35	1749	1619	130	208	145	111	145	102	34	103	118	57	34	23	73	132	578	379	348
323	41	1610	1481	129	185	147	106	138	109	30	97	107	52	34.5	25	68	122	533	346	330
324	25	1668	1554	114	174	144	99	127	96	28	95	104	49	32	26	62	111	518	329	330
325	30	1618	1484	134	181	159	101	136	104	30	100	108	45	37	20	61	119	553	342	355
335	38	1615	1483	132	180	148	109	136	101	33	93	105	55	37	20.5	65	115	535	332	317
336	35	1704	1581	123	192	150	105	136	92	32	95	107	52.5	34.5	24	67	124	559	364	332
337	40	1658	1532	126	188	152	109.5	139	101	33.5	102	112	55	37	31	71	123	557	356	349
338	40	1721	1594	127	181	162	109	148	105	30	99	109	53	37.5	26	70	128	564	344	351
339	38	1622	1497	125	184	149	105	138	101	38	93	107	61	33	22	73	129	548	343	348
340	26	1595	1456	139	185	152	112	140	101	30	100	113	55	35	24	68	127	554	351	345
353	48	1664	1559	105	184	151	108	137	109	31	100	108	52	35.5	25	70	116	548	342	335

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
354	42	1679	1550	129	184	148	104	132	99	28	95	108	55.5	33	31	68	118	542	351	336	
355	50	1736	1611	125	194	151	107	136	107	27	101	117	58	39	25	75	129.5	561	344	334	
356	30	1666	1550	116	185	147	104	133	100	31	95	108	52	31	28	65	124	542	343	331	
357	40	1610	1481	129	196	150	104	139	110	33	94	106	55.5	36	27.5	64	115	564	372	346	
358	38	1666	1544	122	187	146	108	137	109	32	98	107	56	34	26	71	126	545	353	344	
359	46	1632	1505	127	183	144	109	135	105	33	97	107	56.5	34	27	72	126	541	341	338	
360	42	1712	1577	135	184	146	104	140	118	32	95	107	55	37	27	68	122	543	342	336	
361	36	1610	1486	124	180	145	102	132	100	30	97	112	50	35	25	63	114	530	338	326	
362	40	1627	1508	119	183	147	112	146	107	33	98	106	53	37	25	67	119	542	336	337	
363	38	1691	1564	127	189	139	102	137	107	31	95	104	49	35	22	61	109	536	341	334	
364	30	1685	1560	125	189	154	107	145	105	31	98	110	55	40	31	70	116	558	352	338	
365	45	1594	1487	107	179	155	106	139	108	33	95	103	51	37	25	67	114	544	337	332	
366	40	1655	1532	123	184	147	114	135	99	32.5	98	110	57	33	27	73	129	547	348	335	
367	32	1710	1577	133	182	148	103	138	108	30	95	105	56	36	25	68	125	544	338	339	
368	36	1667	1556	111	199	150	104	135	104	29	97	109	58.5	34	26	68	124	562	368	339	
369	28	1617	1490	127	193	143	105	135	100	32	96	110	60	31	26	74	128	546	364	351	
370	25	1632	1506	126	180	145	104	128	95	29	96	108	50	34	23	67	113	528	334	334	
371	46	1599	1474	125	192	148	111	144	106	36	109	112	55	38	24	71	123	553	352	333	
372	28	1626	1490	136	186	155	111	142	110	33	101	112	56	33	28	69	127	551	352	367	

Individual No.	Age	Sta- ture	Height up to Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	UF Lth	TF Lth	Hor Crim of Hd	Sagit- tal Arc	Trans- verse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
373	40	1645	1520	125	167	154	104	131	94	28	93	105	57	32	24	65	114	532	333	330
374	35	1489	1360	129	191	156	107	140	104	33	96	105	55	33	24	65	121	560	358	340
385	41	1731	1605	126	201	152	105	137	112	29	97	110	58	40	26	80	135	576	397	345
386	42	1602	1497	105	184	149	103.5	134	100	30	90	100	53	38	26	68	114	545	348	340
389	45	1646	1524	122	183	147	99	137	102	30	89	105	60	34	25	71	126	531	364	333
390	38	1676	1554	122	185	146	100	131	103	30	92	102	55	37	25	66	120	541	351	328
391	27	1632	1512	120	181	148	104	133	93	29.5	94	102	60	35	27	68	122	532	349	330
392	40	1658	1519	139	188	154	104	135	98	28	95	104	56.5	30	28	66	123	547	365	356
393	36	1549	1431	118	184	147	101	135	107	31	94	104	56	35	24	64	110	526	336	315
394	26	1745	1625	120	196	149	102	132	102	31	97	112	51	33	25	67	120	552	353	324
395	32	1658	1526	132	196	152	111	135	105	32.5	99	110	52	35	31	64	118	562	358	347

<i>Tribe—Kho</i>				<i>No. of individuals—90</i>									<i>Locality—Lower Chitral</i>							
Individual No.	Age	Stature	Height up to Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Max Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nas Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	24	1635	1505	130	185	150	105	132	99	31	96	108	55	35	27	67	119	542	365	350
2	20	1578	1453	125	183	146	100	125	86	24	87	98	58	31	24	70	123	517	348	341
3	27	1623	1510	113	185	147	106	130	98	31	99	110	55	36	23	68	121	533	353	325
4	28	1667	1544	123	185	148	104	135	101	32	97	112	55	36	25	71	115	540	343	332
5	30	1698	1566	132	196	153	102	140	106	32	105	118	57	38	29	72	130	565	373	334
6	35	1708	1593	115	188	145	104	138	107	28	99	117	57	34	27	69	117	546	360	342
7	26	1608	1486	122	189	147	101	124	103	31	92	107	52	34	22	65	118	534	358	330
8	28	1663	1528	135	194	152	104	137	108	32	95	114	54	37	22	69	131	565	360	346
9	25	1679	1555	124	188	143	109	132	101	30	96	112	50	32	25	61	113	543	367	347
10	25	1637	1507	130	192	147	108	127	100	28	104	116	61	37	27	74	132	550	366	341
11	36	1655	1522	133	194	149	115	141	104	34	104	118	58	37	25	72	123	556	363	345
12	26	1710	1578	132	183	153	113	141	107	32	98	111	51	34	22	67	127	550	334	340
13	25	1523	1398	125	195	142	111	135	99	30	95	108	54	35	24	71	121	556	358	317
14	45	1662	1528	134	194	156	105	136	95	29	95	105	58	38	26	72	128	561	363	352
15	47	1549	1438	111	194	147	107	142	116	30	98	102	55	39	25	68	120	548	335	324

Individual No.	Age	Stature	Height up to Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
16	43	1669	1531	138	200	155	116	150	115	35	106	122	60	39	27	76	131	580	370	347
17	36	1551	1436	115	191	141	108	120	88	31	92	103	54	34	30	76	123	553	352	335
18	58	1725	1624	101	188	148	110	140	109	33	101	112	53	37	25	66	106	549	351	331
19	25	1644	1521	123	185	148	107	132	105	29	97	108	55	31	26	68	118	530	345	330
20	51	1586	1470	116	182	141	103	130	97	30	95	104	54	35	24	65	125	528	338	322
21	50	1630	1516	114	183	151	106	136	95	32	93	99	57	41	29	71	123	548	337	330
22	30	1763	1648	115	185	154	112	147	105	36	101	115	56	39	26	68	121	542	334	323
23	45	1695	1562	133	199	146	108	136	101	34	98	108	59	37	29	73	134	567	361	326
24	27	1629	1503	126	198	148	112	132	109	34	97	110	53	33	25	70	129	549	359	338
25	44	1722	1589	133	184	149	105	140	107	32	97	107	55	34	25	68	125	543	344	348
26	32	1609	1477	132	198	147	108	143	99	33	105	121	59	36	25	72	128	566	368	338
27	40	1607	1488	119	187	148	113	136	103	30	100	116	51	34	26	69	119	546	352	325
28	26	1640	1520	120	192	138	102	132	96	29	92	100	50	35	25	66	115	540	362	333
29	32	1700	1585	115	195	150	109	146	108	36	99	113	59	35	30	71	129	555	362	328
30	26	1491	1374	117	179	141	96	124	96	26	92	101	56	31	23	65	115	520	332	322
31	35	1530	1407	123	178	148	103	132	100	29	95	105	51	32	21	66	114	532	329	336
32	35	1731	1606	125	192	148	98	139	103	31	94	101	52	33	22	65	120	555	368	340

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
33	42	1666	1544	122	192	138	107	137	112	34	98	110	62	35	30	78	128	544	340	317
34	33	1647	1522	125	183	149	106	138	101	30	97	107	52	36	25	66	117	540	342	325
35	38	1669	1540	129	191	148	105	137	108	31	99	107	52	37	25	65	126	561	369	338
36	32	1698	1561	137	193	148	108	140	104	30	95	108	55	36	25	70	126	557	368	326
37	50	1649	1526	123	192	148	106	142	111	32	102	111	51	37	28	68	118	548	364	339
38	32	1672	1545	127	182	143	104	128	104	30	94	102	47	32	33	59	120	524	336	326
39	35	1621	1499	122	187	145	104	135	101	31	98	110	54	38	25	67	121	548	350	331
40	41	1551	1433	118	181	143	104	135	105	26	93	103	52	34	35	65	114	522	325	315
41	33	1633	1558	130	189	144	107	135	101	32	92	108	55	37	25	67	120	550	346	334
42	35	1613	1497	116	182	140	104	135	108	28	101	108	57	36	23	71	125	528	327	316
43	42	1578	1453	125	184	152	109	144	109	33	94	101	48	37	23	66	111	549	352	331
44	48	1543	1418	125	196	150	102	138	98	34	94	100	44	38	21	62	120	561	364	340
45	51	1632	1519	113	197	143	106	135	98	35	91	105	58	32	28	69	122	551	344	329
46	35	1695	1573	122	187	144	104	138	99	33	98	111	54	34	25	70	127	539	327	324
47	50	1635	1522	113	179	153	103	136	103	28	95	112	55	35	29	70	130	530	344	339
48	28	1493	1374	119	183	149	109	139	103	33	98	109	53	34	21	66	117	545	340	321
49	25	1580	1468	122	184	146	103	129	99	31	95	104	50	32	22	59	120	535	351	342
50	40	1725	1605	120	196	148	97	139	103	30	100	116	60	38	26	74	123	553	362	325
51	23	1696	1579	117	198	150	107	138	101	33	105	117	60	38	25	70	122	572	364	341

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Min Biz Br	Min Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
52	45	1605	1494	111	198	148	102	139	101	30	96	107	55	38	25	65	119	542	365	341
53	32	1591	1473	118	190	151	100	135	99	33	98	105	55	35	26	70	119	546	358	355
54	36	1656	1524	132	184	145	99	137	99	32	102	111	59	36	21	64	122	535	355	335
55	45	1635	1508	127	205	154	102	139	102	31	95	108	66	37	27	79	133	584	372	331
56	27	1637	1529	108	197	145	106	132	99	30	91	98	53	34	24	67	118	557	362	346
57	40	1585	1462	123	184	144	105	134	99	31	99	110	55	31	25	68	117	540	346	320
58	38	1681	1565	116	187	145	108	139	103	33	99	111	57	36	23	75	130	543	343	331
59	41	1538	1430	118	183	142	96	126	101	29	92	105	54	35	21	69	119	514	330	297
60	40	1603	1470	133	185	155	103	138	103	32	99	113	52	39	27	73	130	546	344	335
61	44	1564	1446	118	177	142	96	125	101	26	93	105	47	36	26	59	101	514	329	325
62	46	1569	1439	130	195	150	108	134	106	30	93	104	57	35	22	74	126	566	354	343
63	50	1649	1519	130	186	145	106	139	106	27	99	108	55	38	25	68	122	546	336	318
64	34	1634	1553	131	175	152	108	143	117	30	100	106	55	36	27	68	117	530	325	334
65	40	1701	1534	117	182	143	103	136	97	29	95	109	65	33	29	86	135	524	323	314
66	32	1645	1532	112	184	142	100	131	104	31	90	102	55	33	25	69	123	539	348	317
67	40	1591	1462	129	183	159	108	135	98	30	95	104	51	35	25	65	119	553	347	333
68	45	1591	1474	117	183	141	102	139	110	28	102	112	55	33	30	69	126	522	327	316

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
69	34	1791	1670	121	194	148	105	145	98	35	103	116	54	35	27	70	126	550	348	333
70	26	1633	1516	117	193	144	104	132	102	34	99	106	58	35	25	68	124	548	357	328
71	36	1549	1427	122	186	146	107	135	103	30	94	105	34	33	27	71	120	538	334	315
72	38	1681	1552	129	182	144	105	134	106	32	98	106	52	34	22	63	117	529	341	343
73	40	1787	1650	137	187	150	104	137	107	28	97	103	60	35	26	70	129	543	344	334
74	38	1523	1403	120	176	144	103	135	106	31	96	104	52	36	25	63	111	515	324	321
75	31	1587	1474	113	192	152	110	143	103	32	99	112	52	35	25	62	113	552	350	345
76	28	1459	1356	103	183	150	107	138	98	31	95	103	54	33	27	68	116	540	335	320
77	30	1651	1529	122	184	151	103	134	101	33	97	107	51	34	22	65	116	547	347	336
78	36	1706	1580	126	186	145	103	136	103	32	102	113	57	35	30	70	121	533	344	322
79	34	1552	1443	109	177	134	103	130	101	32	93	101	53	36	22	69	125	512	313	285
80	30	1714	1596	118	185	144	108	135	108	31	95	102	56	35	25	67	119	536	332	334
81	34	1613	1494	119	201	157	102	136	109	32	94	105	53	37	24	66	123	568	367	350
82	45	1538	1424	114	185	148	107	135	106	31	95	108	56	33	26	69	117	543	353	330
83	36	1592	1472	120	181	150	106	138	102	31	94	103	53	35	23	67	115	541	343	330
84	40	1678	1545	133	189	146	101	135	107	28	92	104	57	36	25	70	117	552	350	342
85	36	1668	1545	123	182	153	104	135	98	36	94	103	48	36	19	63	113	538	341	345
86	36	1561	1447	114	186	145	101	134	95	32	95	108	56	35	26	71	125	540	343	338
87	34	1556	1446	110	193	152	105	136	109	32	97	105	54	40	23	72	125	555	354	339

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
88	50	1607	1422	125	185	144	105	135	97	34	94	106	56	37	27	68	122	533	344	334
89	40	1601	1476	125	188	145	106	135	102	32	93	100	47	37	19	59	113	543	330	328
90	40	1728	1615	113	186	149	108	137	96	32	100	115	55	32	27	71	123	549	345	340

<i>Tribe—Red Kaffir</i>				<i>No. of individuals—100</i>									<i>Locality—Chitral</i>							
Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Max Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	35	1698	1581	117	208	144	119	141	115	34	97	114	56	40	24	70	123	583	356	329
2	24	1659	1557	102	187	139	109	137	119	35	101	118	52	38	22	70	122	531	333	316
3	28	1626	1509	117	197	146	113	147	116	32	93	107	51	34	19	64	110	558	357	335
4	40	1686	1569	117	187	141	104	135	101	29	91	111	59	32	25	71	120	535	336	317
5	44	1684	1567	117	187	144	112	139	119	31	97	110	58	36	24	69	119	540	334	319
6	40	1657	1532	125	196	146	105	134	105	32	95	107	55	39	24	67	119	540	358	319
7	36	1735	1609	126	191	155	108	135	119	33	88	104	57	40	27	67	122	575	378	355
8	50	1601	1480	121	193	147	112	139	105	35	99	113	62	32	28	71	119	555	372	340
9	33	1708	1580	128	202	153	111	144	112	31	97	108	57	35	30	69	125	582	359	333
10	60	1634	1530	104	195	149	114	137	102	31	100	110	52	28	21	70	113	565	324	360
11	60	1663	1550	113	189	148	110	136	99	29	97	107	55	34	26	66	112	553	355	332
12	65	1667	1544	123	189	133	97	136	98	31	94	110	63	34	28	71	123	530	333	314
13	62	1627	1521	106	198	148	107	139	100	30	98	115	64	34	30	71	123	562	353	315
14	40	1800	1676	124	204	151	108	147	117	31	105	116	56	40	27	72	125	577	356	338

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Min Biz Br	Min Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	Nasal U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
15	26	1555	1439	116	179	138	106	121	101	32	96	114	52	35	24	65	117	506	330	324
16	17	1555	1433	122	188	145	107	137	105	34	99	114	59	35	28	69	112	536	361	324
17	24	1643	1529	114	191	142	102	134	105	32	92	118	58	40	30	71	116	532	355	328
18	24	1664	1553	111	190	144	104	132	108	29	98	107	52	33	27	65	115	531	351	326
19	22	1634	1521	113	193	149	111	135	98	32	102	124	60	31	26	75	123	551	352	327
20	40	1587	1474	113	191	148	108	135	105	30	94	105	47	35	24	61	115	547	357	335
21	25	1622	1499	123	187	146	105	133	95	31	92	111	53	33	26	64	115	530	363	340
22	25	1679	1566	113	185	148	119	142	106	33	97	113	54	35	24	65	117	540	344	314
23	35	1677	1560	117	187	152	113	139	117	34	100	116	54	33	28	70	125	537	345	338
24	35	1818	1695	123	195	148	113	138	107	33	102	125	54	40	29	71	126	550	341	337
25	40	1672	1541	131	194	144	109	137	106	33	95	106	55	32	25	65	128	540	358	330
26	50	1737	1610	127	200	156	112	138	105	31	105	126	64	37	32	80	138	568	377	341
27	55	1640	1531	109	197	143	107	138	106	32	98	115	61	43	27	73	130	557	333	364
28	60	1654	1532	122	192	146	108	134	99	29	92	106	55	34	23	67	115	549	350	324
29	48	1636	1519	117	196	145	109	143	107	31	96	111	59	41	25	69	124	556	362	315
30	45	1645	1518	127	198	146	109	140	109	36	105	112	54	36	25	67	120	555	370	335
31	40	1660	1534	126	198	142	108	141	122	32	99	107	51	39	25	68	118	562	358	317

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
32	35	1625	1486	139	189	144	109	133	106	31	92	106	60	34	25	72	123	557	342	324
33	28	1996	1578	118	191	141	107	135	106	29	97	114	58	37	28	71	114	542	362	326
34	30	1711	1589	122	204	149	108	134	105	29	95	107	53	35	26	67	123	578	365	336
35	45	1731	1609	122	190	136	100	127	103	28	85	100	47	35	22	63	115	537	352	311
36	52	1602	1480	122	189	140	103	132	97	30	92	112	52	41	24	63	115	545	362	325
37	30	1615	1494	121	198	146	101	139	107	30	99	111	52	35	26	64	112	551	345	321
38	30	1659	1524	128	191	146	104	138	102	30	95	107	55	35	23	68	117	557	360	333
39	54	1714	1590	124	203	143	103	137	107	27	97	112	64	32	31	77	126	564	378	334
40	50	1689	1564	125	199	147	100	137	116	32	95	110	53	38	29	63	104	551	365	341
41	48	1566	1446	120	198	148	100	129	101	27	91	107	57	35	27	71	117	553	363	327
42	45	1731	1603	128	197	149	110	142	110	30	98	110	55	35	27	65	120	568	380	345
43	45	1659	1541	118	190	144	110	135	107	28	103	112	54	35	31	71	121	544	359	327
44	25	1553	1442	116	201	147	116	132	97	33	102	115	51	35	21	63	110	575	363	332
45	35	1678	1566	112	197	147	102	132	104	26	90	105	58	32	24	71	121	546	365	321
46	27	1649	1542	107	192	149	109	142	103	31	99	112	50	38	28	68	117	551	357	325
47	30	1592	1476	116	184	141	102	130	99	29	97	114	54	36	22	62	108	534	353	316
48	50	1709	1590	119	197	149	104	145	108	28	99	115	58	38	32	75	125	555	356	315
49	45	1559	1448	111	182	143	103	131	102	29	94	106	55	34	25	69	114	531	336	316
50	50	1615	1488	127	186	144	104	135	105	30	103	110	66	32	30	82	133	537	345	332

Individual No.	Age	Stature	Height up to Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nas Ht	UF Lth	T F Lth	Hor Crim of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
51	46	1701	1580	121	202	151	111	139	105	27	102	114	56	34	27	70	120	570	359	332
52	50	1707	1593	114	208	152	103	137	112	31	96	117	57	35	31	71	118	577	384	332
53	25	1707	1585	122	190	137	95	128	99	31	94	110	47	34	26	57	111	538	362	339
54	27	1710	1584	126	197	148	108	134	97	31	104	120	61	40	31	71	126	572	370	353
55	24	1715	1597	118	186	144	104	138	105	29	93	112	52	35	24	67	118	545	346	331
56	25	1788	1656	132	193	147	107	138	110	29	94	111	56	34	23	73	125	555	380	333
57	30	1690	1572	118	201	142	109	138	105	36	103	124	58	38	24	74	130	569	363	325
58	40	1720	1593	127	199	149	112	139	105	32	102	119	63	33	29	76	129	575	370	332
59	35	1574	1450	124	189	139	100	129	101	28	93	100	57	36	25	72	122	534	345	319
60	60	1576	1450	126	199	143	105	135	102	30	99	110	53	35	29	68	121	555	355	320
61	36	1736	1601	135	203	149	103	145	111	26	95	107	57	34	25	71	122	574	385	334
62	20	1643	1521	122	194	252	107	139	108	30	98	112	53	36	25	62	115	556	350	340
63	22	1605	1487	118	181	139	106	130	94	27	93	106	60	34	22	73	120	528	328	306
64	30	1635	1517	118	188	149	103	129	97	27	96	112	48	31	28	65	117	531	339	307
65	28	1635	1576	109	190	147	106	135	98	29	92	113	63	32	26	77	135	554	338	324
66	47	1675	1547	128	195	148	108	143	103	29	91	106	66	36	30	81	131	561	324	325
67	45	1715	1588	127	203	151	110	141	106	30	98	110	53	38	29	65	108	578	387	336

APPENDIX D

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
68	40	1668	1551	117	196	143	101	135	100	27	88	106	59	31	30	71	122	550	354	312	
69	50	1708	1581	127	194	144	105	138	106	28	101	109	57	41	25	72	129	550	345	316	
70	40	1695	1581	114	202	147	113	145	108	37	108	123	58	39	27	70	121	575	365	320	
71	50	1657	1551	116	197	147	109	140	105	33	97	111	58	34	28	69	126	565	351	321	
72	50	1607	1489	118	188	145	97	135	108	25	53	100	55	28	29	70	126	530	351	314	
73	50	1680	1569	111	189	139	104	133	105	27	97	106	50	35	27	69	108	541	352	314	
74	52	1625	1416	109	186	146	103	133	99	22	99	107	62	34	24	75	126	534	355	326	
75	48	1592	1466	126	189	144	101	130	98	26	86	100	54	40	28	71	126	529	360	320	
76	42	1717	1596	121	190	144	107	138	101	29	103	113	55	39	25	67	117	543	346	314	
77	45	1704	1587	117	198	156	107	141	105	28	93	110	59	34	30	74	130	562	360	339	
78	55	1665	1537	128	194	157	108	143	103	28	91	102	61	39	25	72	126	567	368	350	
79	28	1691	1572	119	198	150	108	137	98	36	104	121	52	39	24	66	123	563	373	345	
80	50	1744	1619	125	201	143	104	139	102	28	103	116	60	40	26	76	222	550	366	316	
81	35	1664	1548	116	189	147	109	127	96	28	92	106	54	36	26	67	121	549	365	336	
82	37	1646	1534	112	198	143	108	136	93	28	98	107	53	33	26	66	125	545	353	321	
83	40	1626	1509	117	189	152	110	138	105	32	98	115	56	34	23	69	120	543	357	322	
84	30	1548	1413	135	192	151	113	142	107	33	104	113	51	38	23	69	123	562	365	340	
85	28	1645	1511	134	193	145	104	136	97	34	98	108	55	36	26	67	122	553	355	355	
86	32	1664	1533	131	198	148	101	133	101	28	94	106	59	34	26	71	128	568	371	350	

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
87	50	1645	1528	117	199	150	107	142	100	32	100	107	55	40	27	69	123	564	362	321
88	28	1743	1615	128	194	143	104	134	103	33	97	112	56	40	30	70	126	554	360	335
89	42	1721	1592	128	195	146	109	138	101	32	98	107	58	33	28	67	135	551	358	334
90	24	1609	1501	108	182	145	104	137	101	33	94	106	50	33	23	62	112	530	318	314
91	35	1705	1590	115	184	139	99	133	92	30	96	111	55	32	29	60	113	525	333	310
92	45	1689	1556	133	181	142	104	127	105	35	89	99	58	36	28	60	124	529	327	314
93	46	1765	1636	129	205	151	101	140	110	32	109	117	59	40	30	60	126	535	365	340
94	48	1610	1477	133	201	146	109	140	108	30	98	106	54	37	24	70	120	567	371	382
95	46	1672	1540	132	189	149	115	145	115	36	100	111	52	39	25	70	127	565	352	230
96	50	1765	1631	134	190	142	99	127	104	31	81	100	54	36	28	72	129	540	348	321
97	35	1663	1549	114	194	144	100	131	102	28	93	105	52	34	25	68	123	556	341	310
98	41	1669	1545	124	202	149	101	132	95	32	94	107	60	37	33	67	114	570	355	334
99	32	1603	1480	123	189	147	109	135	100	32	98	111	55	36	24	64	114	548	351	327
100	36	1694	1567	127	195	149	106	135	101	30	99	114	54	33	30	67	120	558	355	326

Individual No.	Tribe— <i>Khatash</i>				No. of individuals—69										Locality— <i>Chitral</i>					
	Age	Stature	Height up to Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	35	1627	1508	119	191	141	99	133	111	28	89	103	52	41	28	70	115	516	355	330
2	30	1642	1523	119	197	139	100	130	98	28	89	111	56	34	29	70	114	524	350	311
3	45	1643	1519	124	194	158	105	145	116	31	102	110	62	37	28	75	129	568	363	338
4	25	1617	1500	117	194	146	107	131	103	32	94	109	57	35	27	68	121	542	354	336
5	28	1606	1501	105	193	142	107	139	97	33	102	115	59	35	27	69	123	549	362	326
6	55	1589	1461	128	189	139	102	136	106	30	95	110	54	35	31	64	121	535	342	321
7	35	1720	1599	121	204	148	111	143	107	35	105	115	57	35	25	70	125	573	385	346
8	24	1658	1535	123	188	143	108	131	106	31	102	115	55	37	21	69	122	530	344	320
9	38	1651	1530	121	198	144	104	137	106	38	97	111	55	33	26	71	127	558	350	322
10	30	1581	1456	125	199	150	105	143	101	34	104	115	53	37	24	64	118	550	365	346
11	28	1555	1424	131	195	147	107	139	109	36	101	110	56	33	27	70	120	562	354	322
12	45	1670	1554	116	190	139	98	127	100	30	94	104	50	33	24	65	119	539	350	330
13	30	1713	1588	125	193	138	105	137	115	31	99	106	55	35	29	72	128	541	352	318
14	70	1577	1458	119	196	150	105	139	107	30	95	107	61	38	29	71	126	559	368	329

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nas Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nas Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
15	80	1525	1407	118	192	135	101	135	105	30	90	100	57	35	26	69	120	533	355	300
16	60	1560	1443	117	194	134	99	132	100	28	92	103	55	33	28	68	115	530	355	310
17	45	1633	1529	104	201	139	104	140	114	35	105	120	59	35	27	74	127	550	363	315
18	40	1675	1548	127	197	147	102	138	109	30	92	105	58	36	29	73	127	556	365	340
19	50	1582	1463	119	190	144	104	137	92	27	91	101	58	35	25	74	115	530	350	310
20	35	1629	1518	111	192	144	105	136	105	28	99	111	58	34	25	68	118	533	348	312
21	40	1574	1449	125	198	140	100	130	100	25	93	100	51	37	28	69	121	550	363	336
22	50	1580	1465	115	188	138	98	129	98	25	95	107	54	35	27	69	115	525	353	312
23	48	1671	1545	126	208	150	100	136	107	28	95	108	56	40	28	75	130	576	395	342
24	45	1591	1453	138	189	145	109	140	109	31	101	109	55	40	21	70	127	536	375	340
25	40	1687	1545	142	203	148	109	138	109	37	101	124	62	37	25	75	128	573	367	335
26	38	1627	1506	121	189	134	107	136	113	30	99	115	55	35	27	68	121	534	353	306
27	40	1711	1594	117	196	140	109	135	107	34	107	119	53	41	27	68	123	557	363	339
28	45	1599	1468	131	192	147	105	129	99	34	95	101	56	35	27	70	127	542	361	339
29	40	1630	1508	122	197	148	106	138	109	31	102	115	57	33	27	73	128	560	364	339
30	50	1559	1441	118	199	146	108	142	115	31	110	115	51	37	24	68	117	555	360	314
31	42	1690	1566	124	200	144	109	139	103	31	97	107	62	36	26	73	130	560	363	322

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
32	40	1638	1510	128	194	141	103	135	108	31	93	103	59	32	28	74	126	553	363	325
33	32	1696	1564	132	194	139	100	128	109	32	98	110	60	33	26	72	124	543	363	315
34	50	1680	1554	126	191	141	104	140	96	28	101	115	57	32	32	73	123	546	361	320
35	30	1633	1515	118	194	143	101	132	104	30	91	100	48	37	25	65	115	545	375	328
36	29	1735	1607	128	191	141	107	135	99	34	104	117	56	35	26	67	125	543	357	342
37	55	1532	1409	123	189	138	101	128	103	30	88	100	55	26	28	68	120	530	354	314
38	27	1617	1505	112	179	143	104	127	98	28	92	103	52	34	26	64	107	520	339	318
39	38	1627	1508	119	189	143	110	139	113	30	96	108	55	32	22	71	121	538	343	318
40	37	1606	1489	117	190	138	100	127	90	29	98	106	52	35	24	66	114	539	346	311
41	41	1651	1530	121	192	143	104	137	100	31	97	108	54	33	24	69	121	552	345	316
42	38	1708	1599	109	202	143	108	134	100	32	100	110	55	35	27	71	128	564	367	330
43	28	1670	1540	130	195	141	103	134	92	30	97	111	51	37	26	70	122	547	351	330
44	34	1600	1479	121	190	139	105	133	101	28	100	103	54	32	26	67	122	537	357	325
45	55	1502	1381	121	192	144	107	132	105	31	96	100	55	37	24	70	127	546	350	326
46	41	1634	1526	108	198	141	102	141	105	35	103	114	60	38	27	71	121	554	345	310
47	40	1614	1492	122	197	144	107	137	102	37	104	105	54	36	27	69	137	562	362	330
48	27	1653	1519	154	193	142	104	135	105	34	95	105	56	38	26	69	122	547	365	345
49	45	1499	1392	107	187	138	98	131	98	29	88	98	57	35	24	68	118	535	344	309
50	25	1621	1496	125	186	144	104	133	102	30	93	103	52	37	24	56	119	540	353	330
51	46	1658	1539	119	192	134	102	132	112	31	96	111	58	31	30	76	131	539	356	393

Individual No.	Age	Stature	Height up to Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
52	51	1551	1440	111	184	136	97	129	104	30	93	100	50	36	28	67	130	516	326	311
53	55	1636	1509	127	193	144	103	145	114	33	94	107	60	33	36	80	131	543	355	321
54	48	1637	1513	124	190	138	102	134	98	29	96	101	56	37	25	72	130	538	352	316
55	44	1591	1474	117	188	139	101	124	96	28	87	97	52	37	28	67	119	534	346	318
56	51	1690	1575	115	195	136	102	135	117	34	96	107	57	38	27	73	124	537	340	315
57	25	1602	1485	117	199	145	106	139	100	31	97	106	50	36	24	58	111	562	350	335
58	49	1495	1385	110	182	139	101	131	95	30	91	98	50	35	22	63	112	517	323	305
59	46	1567	1458	109	194	144	108	138	105	33	94	106	50	37	27	66	121	556	363	315
60	50	1634	1503	131	192	137	101	138	95	32	97	105	57	36	25	68	122	541	345	314
61	45	1650	1520	130	205	145	107	145	111	38	110	122	53	44	30	72	123	560	370	323
62	50	1522	1392	130	190	147	101	135	105	30	97	103	52	38	27	65	115	546	347	331
63	52	1542	1399	143	186	145	105	144	109	31	100	105	54	37	28	68	117	542	355	335
64	25	1604	1480	124	188	140	98	128	98	32	92	103	50	35	23	61	117	528	347	320
65	26	1607	1492	115	190	147	108	132	98	32	102	114	57	34	24	69	121	555	350	344
66	24	1661	1544	117	189	142	106	134	98	33	102	116	51	35	24	63	116	542	347	326
67	24	1502	1400	102	195	142	103	134	96	32	99	108	50	36	22	64	124	550	352	340
68	40	1499	1381	118	187	139	104	139	108	32	101	108	49	37	21	64	114	532	351	290
69	42	1646	1535	111	187	144	107	137	106	35	95	105	57	39	27	74	131	541	329	323

<i>Tribe—Tadjik</i>				<i>No. of individuals—62</i>									<i>Locality—Chitral</i>							
Individual No.	Age	Stature	Height up to Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Max Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nas Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	35	1675	1561	114	188	157	112	145	105	34	101	113	58	39	24	76	127	565	345	342
2	25	1659	1531	128	187	158	103	145	103	27	96	112	57	33	24	73	124	548	354	343
3	32	1692	1568	124	182	143	101	139	101	28	93	106	54	31	28	67	124	537	343	342
4	27	1664	1558	106	179	154	105	139	101	30	93	99	66	35	26	79	134	535	346	332
5	25	1676	1538	138	179	147	97	135	100	32	95	107	57	36	25	74	128	535	352	348
6	25	1734	1628	106	183	148	110	135	93	29	92	105	59	37	30	71	122	543	342	330
7	25	1471	1352	119	188	137	106	132	89	29	95	107	54	33	23	63	105	519	332	320
8	30	1766	1634	132	189	140	108	132	102	29	93	107	54	39	24	67	126	537	357	342
9	28	1695	1556	129	183	138	106	129	100	29	95	112	58	34	22	69	127	522	353	325
10	30	1663	1541	122	195	146	108	139	101	31	103	110	61	35	24	73	125	563	365	332
11	45	1775	1648	126	184	151	105	143	102	36	107	126	60	37	26	73	136	540	342	337
12	40	1657	1533	124	187	141	100	137	101	29	96	110	53	33	23	71	123	538	353	340
13	35	1614	1536	128	194	163	113	148	110	35	101	117	57	36	22	67	124	572	364	355
14	30	1614	1493	121	183	145	110	132	101	30	97	108	56	33	28	72	115	532	344	342
15	50	1589	1460	129	181	156	110	142	109	27	92	108	52	34	23	71	127	540	342	336

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
16	28	1692	1573	119	185	148	107	128	102	28	98	114	59	35	27	73	123	535	367	335
17	30	1652	1512	139	174	152	111	150	112	35	100	113	54	36	27	67	115	535	348	341
18	34	1578	1451	127	175	157	106	135	94	32	94	100	57	37	28	70	118	536	337	337
19	45	1640	1517	123	182	142	107	141		35	98	113	54	35	22	70	120	541	345	326
20	30	1732	1597	135	181	153	106	145	111	33	95	110	55	36	26	75	120	547	341	335
21	50	1641	1536	105	185	151	113	147	112	35	100	115	61	40	21	75	126	542	334	340
22	45	1597	1470	127	178	150	107	140	107	33	98	103	49	40	21	69	118	528	320	325
23	40	1640	1505	135	182	153	111	146	108	34	102	112	55	38	23	73	123	542	333	351
24	26	1675	1545	130	177	158	107	140	97	31	100	105	50	37	21	67	120	538	342	346
25	30	1643	1515	128	177	154	111	148	104	33	109	116	55	34	28	70	128	535	340	350
26	27	1601	1471	130	181	152	104	138	98	32	99	105	52	37	26	64	116	539	345	334
27	45	1745	1602	143	191	157	108	145	106	30	100	111	61	64	28	75	143	563	352	346
28	35	1681	1550	131	191	156	112	130	103	36	101	113	57	36	26	70	127	565	362	353
29	29	1676	1546	130	178	152	110	138	105	32	102	112	54	36	29	67	119	534	345	342
30	26	1635	1502	133	180	141	100	129	95	31	98	115	59	34	23	77	128	525	328	330
31	50	1611	1482	129	185	155	114	140	103	32	104	116	62	36	26	79	127	552	336	340
32	35	1643	1515	128	185	145	102	140	101	33	99	109	55	38	24	69	115	531	335	334

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
33	40	1777	1635	142	179	154	105	138	106	30	96	106	56	33	24	74	137	546	351	365
34	42	1596	1469	127	189	143	109	131	96	32	100	115	60	33	24	73	127	544	362	323
35	45	1650	1522	128	189	152	109	147	109	35	102	115	56	34	27	77	132	558	339	305
36	40	1617	1489	128	174	154	106	142	105	29	97	106	55	36	27	71	118	536	338	345
37	42	1668	1542	126	187	153	108	143	106	31	99	110	55	37	25	72	126	553	361	353
38	42	1667	1523	144	199	150	117	145	115	37	103	113	55	39	23	75	130	571	364	336
39	42	1707	1575	132	166	153	107	135	101	27	86	96	54	34	23	70	117	519	333	335
40	46	1705	1566	139	175	161	112	148	99	39	100	107	54	38	28	68	117	540	343	362
41	50	1679	1543	136	184	154	110	144	106	34	102	113	55	42	27	72	128	549	343	355
42	40	1772	1636	136	182	160	103	141	120	28	94	106	55	37	24	72	123	558	345	360
43	42	1822	1682	140	185	154	107	143	112	30	101	112	57	36	26	72	126	553	334	354
44	36	1584	1454	130	185	145	112	140	99	33	101	111	52	36	28	71	121	540	338	335
45	46	1659	1531	128	180	156	102	139	107	31	91	104	54	34	22	73	131	536	320	336
46	38	1662	1521	141	192	158	103	140	96	33	99	113	60	35	30	74	130	565	358	350
47	36	1649	1513	136	182	158	112	143	101	33	104	115	57	40	28	72	124	550	346	355
48	37	1658	1518	140	189	152	108	145	109	32	105	112	54	37	23	69	119	557	352	369
49	40	1663	1525	138	197	159	110	138	100	33	101	110	58	38	24	72	119	576	374	366
50	41	1705	1576	129	176	151	105	138	108	30	97	105	59	34	29	71	129	535	337	343
51	26	1658	1531	127	171	154	108	139	106	39	105	116	52	32	26	69	125	529	323	341

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Min Biz Br	Min Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
52	34	1791	1652	139	186	155	104	142	112	32	102	113	56	33	29	72	128	553	343	341
53	38	1692	1555	137	189	150	109	142	115	32	106	117	55	39	25	67	128	550	338	348
54	45	1690	1558	132	189	155	110	138	102	35	97	109	53	36	26	70	126	547	353	340
55	32	1677	1551	126	180	151	104	139	112	35	96	103	47	35	24	59	108	537	333	340
56	32	1581	1464	117	182	161	112	142	108	29	96	104	50	34	22	64	117	554	340	344
57	30	1589	1453	136	177	150	106	137	102	32	96	106	50	37	22	62	118	537	338	350
58	28	1512	1390	122	175	148	108	133	101	30	99	114	57	33	24	69	121	525	327	336
59	35	1613	1492	121	170	156	103	137	95	35	96	105	54	37	25	69	119	532	328	340
60	40	1557	1433	124	180	155	105	135	100	33	96	105	47	35	22	63	118	542	352	355
61	37	1706	1578	128	177	149	98	135	98	28	98	105	58	34	21	68	122	521	327	335
62	48	1550	1427	123	174	153	102	137	103	30	93	100	51	35	22	63	119	523	339	336

<i>Tribe—Pathan</i>					<i>No. of individuals—50</i>								<i>Locality—Chitral</i>							
Individual No.	Age	Stature	Height up to Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nas Ht	UF Lth	T F Lth	Hor Crim of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	50	1562	1438	124	181	144	105	139	97	31	100	106	55	35	22	72	121	528	322	315
2	34	1692	1558	134	195	153	109	140	93	33	101	112	55	37	29	73	130	570	352	345
3	28	1727	1582	145	202	146	101	137	109	27	97	107	60	34	27	74	130	578	398	360
4	27	1654	1517	137	187	147	109	139	104	38	100	109	56	34	28	69	125	548	344	342
5	30	1572	1450	122	187	144	109	134	98	30	95	106	57	40	31	72	122	546	356	315
6	40	1682	1555	127	188	147	104	140	114	34	99	104	52	38	23	64	118	539	336	325
7	26	1593	1468	125	184	136	101	127	93	30	94	103	48	36	25	64	114	531	343	326
8	50	1585	1467	118	200	149	103	138	106	36	100	112	62	41	24	74	125	560	345	310
9	48	1596	1485	111	194	149	105	135	99	32	94	113	53	33	26	70	118	551	348	323
10	28	1648	1517	131	195	154	108	141	119	31	100	113	56	39	25	70	123	565	357	354
11	41	1674	1545	129	192	144	102	137	99	34	94	108	50	38	24	63	120	548	354	330
12	35	1564	1436	128	189	141	107	131	105	34	100	118	56	35	30	70	114	544	354	333
13	25	1583	1450	133	179	139	95	130	93	31	92	103	48	35	24	63	117	518	328	325
14	51	1581	1457	124	195	139	100	132	95	31	98	114	61	33	27	75	127	540	340	323
15	28	1623	1515	108	189	136	103	129	101	32	96	112	57	32	31	71	118	534	336	297

Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nas Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nas Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
16	40	1755	1634	121	189	143	109	137	89	31	97	110	56	36	23	69	120	543	336	342
17	38	1594	1464	130	188	152	104	135	96	28	90	103	58	36	26	70	119	548	354	338
18	36	1556	1435	121	191	144	97	136	97	30	92	103	60	38	29	74	123	541	347	323
19	26	1585	1458	127	193	147	106	130	100	29	94	110	52	32	26	61	117	552	364	346
20	40	1607	1486	121	190	144	106	136	110	33	99	112	53	35	28	68	124	546	351	338
21	30	1629	1500	129	194	149	107	139	100	32	98	110	68	38	27	75	125	554	351	346
22	52	1561	1431	130	193	137	102	135	98	30	92	105	56	35	30	70	124	542	343	327
23	42	1681	1559	122	196	147	101	135	110	34	93	105	63	40	30	81	130	557	372	318
24	36	1591	1475	116	189	144	105	132	99	35	92	105	54	36	30	69	125	543	350	326
25	28	1650	1528	122	190	145	98	134	94	32	100	115	52	33	27	68	123	549	348	333
26	50	1685	1561	124	185	139	102	137	113	30	96	104	63	35	30	78	128	521	335	315
27	40	1558	1433	125	183	144	103	128	94	33	97	109	55	37	27	68	121	536	339	335
28	25	1664	1540	124	195	148	111	136	102	35	100	106	54	33	29	67	118	553	356	348
29	25	1700	1571	129	177	146	102	132	102	32	94	104	49	33	25	64	116	525	330	325
30	40	1728	1610	118	205	139	103	127	102	33	97	112	64	38	31	80	136	567	370	322
31	30	1621	1503	118	187	134	94	124	98	29	90	104	56	34	24	69	120	317	343	322
32	26	1669	1543	126	196	135	105	130	95	33	97	113	57	31	29	72	126	543	354	337

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
33	25	1672	1545	127	190	142	103	134	90	30	94	104	52	34	22	62	120	535	350	318
34	26	1715	1585	130	188	141	102	128	99	32	100	114	56	39	27	71	115	537	347	324
35	28	1730	1613	117	197	150	111	143	110	31	103	119	60	38	28	76	129	560	365	346
36	35	1715	1592	123	189	142	106	134	94	33	94	107	55	35	28	67	124	536	345	329
37	34	1649	1525	124	179	138	106	132	97	29	92	105	55	34	28	68	108	522	336	315
38	32	1699	1565	134	201	150	113	140	111	34	106	115	61	34	26	72	123	576	369	342
39	40	1602	1469	133	198	149	106	139	101	32	98	105	56	40	27	70	125	558	368	330
40	29	1705	1588	117	198	143	103	135	114	35	98	107	54	37	24	67	124	549	367	339
41	26	1702	1582	120	191	140	100	128	91	31	95	107	53	33	25	67	124	534	366	325
42	35	1584	1470	114	180	134	94	130	87	29	86	98	52	30	29	61	118	506	329	310
43	37	1674	1544	130	182	149	108	142	109	33	105	118	52	37	34	65	120	536	353	355
44	52	1710	1579	131	188	154	113	144	111	38	104	110	55	44	25	75	125	562	358	345
45	28	1581	1458	123	208	151	104	140	100	33	97	106	56	39	27	73	135	580	368	339
46	36	1869	1751	118	197	145	106	138	105	31	97	108	60	36	30	75	135	555	352	330
47	40	1624	1499	125	191	143	103	130	103	32	95	101	52	33	24	63	112	541	357	320
48	36	1636	1506	130	205	154	111	144	109	23	96	111	58	40	25	75	121	530	382	353
49	26	1597	1470	127	194	145	103	135	97	30	96	106	55	32	25	69	123	541	353	335
50	25	1621	1494	127	192	142	102	135	105	30	95	106	55	34	25	69	122	541	364	320

<i>Tribe—Usbeg & Turk</i>					<i>No. of individuals—33</i>								<i>Locality—Chitral</i>							
Indi- vidual No.	Age	Sta- ture	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagit- tal Arc	Trans- verse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	40	1673	1551	122	186	168	109	145	102	34	102	104	60	40	25	72	123	561	334	346
2	38	1589	1464	125	182	160	105	145	105	27	98	103	52	42	23	67	116	559	335	347
3	40	1651	1520	131	181	161	109	149	108	34	103	110	58	37	26	75	131	553	326	354
4	37	1672	1540	132	185	148	102	132	95	32	96	107	60	37	28	75	128	537	336	342
5	37	1720	1598	122	167	151	103	141	115	33	88	103	58	41	21	71	121	496	308	325
6	36	1672	1536	136	188	157	113	146	96	32	100	106	59	38	22	74	124	560	335	351
7	34	1564	1436	128	187	155	112	149	107	34	105	112	57	37	24	77	129	555	340	336
8	41	1710	1576	134	191	146	102	141	108	29	95	105	54	35	23	73	126	554	335	330
9	45	1695	1547	148	187	156	105	140	105	30	92	102	63	37	33	80	142	560	346	349
10	37	1673	1545	128	185	163	107	147	111	37	102	110	50	36	23	66	132	558	330	352
11	50	1599	1467	132	176	155	110	147	110	30	97	104	51	34	23	65	123	535	335	340
12	44	1680	1545	135	184	153	105	142	105	33	102	108	52	34	23	64	118	545	344	350
13	45	1639	1521	118	183	147	98	136	118	32	99	106	51	37	25	69	120	540	338	334
14	24	1714	1598	116	185	142	105	133	105	38	92	108	59	33	26	70	123	535	351	318
15	40	1678	1542	136	199	154	111	146	105	37	107	123	53	37	23	81	138	576	374	355

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
16	34	1608	1476	132	182	164	110	142	107	35	99	102	53	38	22	67	120	562	364	370
17	37	1616	1472	144	204	173	113	152	119	33	103	115	60	36	23	74	130	602	384	390
18	50	1609	1469	140	185	156	107	141	92	31	94	104	50	32	23	64	112	543	344	355
19	34	1625	1498	127	182	153	107	143	104	34	100	107	51	36	23	68	124	547	358	361
20	50	1625	1498	127	181	166	109	145	105	32	101	112	60	32	23	79	136	560	340	361
21	32	1601	1475	126	188	166	110	139	108	32	97	102	55	34	21	69	122	563	345	364
22	40	1714	1586	128	178	155	108	141	101	34	98	103	52	36	24	71	124	535	335	345
23	46	1556	1424	132	180	150	102	137	104	31	93	101	55	34	23	74	118	532	334	333
24	36	1627	1510	127	182	163	109	145	109	35	100	106	63	38	24	80	137	559	346	370
25	28	1651	1510	141	172	161	111	147	108	32	100	109	57	33	24	76	121	532	335	356
26	40	1715	1580	135	181	160	114	142	117	35	109	119	56	40	27	72	121	557	348	356
27	41	1613	1484	129	178	152	105	138	105	38	100	106	55	37	24	74	126	540	337	340
28	40	1746	1606	140	191	149	109	142	105	33	105	113	52	38	24	64	125	559	355	340
29	50	1642	1507	135	176	159	105	142	107	34	105	109	62	35	25	80	135	540	339	358
30	40	1581	1468	119	176	155	105	139	105	27	93	100	57	35	23	74	125	535	305	334
31	45	1667	1524	143	193	159	109	146	109	36	104	115	58	39	24	76	127	562	340	345
32	36	1629	1498	131	179	154	109	145	115	35	102	108	58	37	22	76	129	546	322	353
33	36	1623	1486	137	182	158	107	141	100	34	108	106	56	36	24	76	126	558	334	345

<i>Tribe—Ashreti</i>				<i>No. of individuals—20</i>									<i>Locality—Chitral</i>							
Individual No.	Age	Stature	Height upto Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Max Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	34	1625	1501	124	184	145	105	135	96	33	98	112	55	37	27	67	119	535	332	330
2	26	1777	1647	130	195	146	102	140	92	32	100	108	52	35	26	62	111	558	352	341
3	30	1708	1577	131	193	154	98	138	99	35	100	115	55	32	28	75	137	567	355	345
4	40	1687	1559	128	191	151	106	143	97	32	100	110	53	38	25	71	123	548	344	331
5	45	1745	1619	126	184	144	104	130	102	29	101	112	56	35	27	71	127	542	345	315
6	44	1619	1496	123	192	151	108	139	98	32	98	114	59	37	21	75	126	544	353	336
7	25	1714	1591	123	187	143	94	135	101	30	95	111	53	34	25	70	128	530	356	325
8	34	1714	1589	125	189	142	100	131	101	30	94	108	53	36	23	68	128	542	352	331
9	55	1638	1512	126	190	148	109	135	105	34	104	115	63	40	28	84	131	547	325	321
10	42	1719	1591	128	184	139	95	130	98	31	96	113	57	34	30	74	123	528	333	324
11	26	1624	1510	114	182	145	104	135	94	32	100	110	53	35	22	65	120	533	352	330
12	38	1761	1621	140	189	138	109	132	101	30	98	115	56	31	24	71	126	545	332	325
13	52	1622	1488	134	189	151	105	138	104	35	99	—	57	36	24	77	129	—	—	—
14	42	1715	1602	113	185	139	99	131	103	29	93	107	55	35	27	74	127	532	347	316
15	55	1628	1496	132	191	147	109	137	101	33	102	115	57	43	28	69	112	533	356	342

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
16	40	1689	1583	106	188	144	102	133	112	33	92	103	56	32	28	70	130	543	358	320
17	32	1697	1577	120	181	136	105	135	97	32	97	112	53	35	26	66	114	517	352	330
18	55	1642	1516	126	174	149	98	133	101	30	98	111	63	39	28	83	133	522	328	334
19	25	1625	1503	122	186	138	109	128	91	32	98	112	57	34	25	69	116	530	346	321
20	50	1724	1596	128	200	140	107	131	104	36	100	114	58	39	28	79	133	555	373	332

<i>Tribe—Dameli</i>				<i>No. of individuals—18</i>									<i>Locality—Chitral</i>							
Individual No.	Age	Stature	Height up to Tragus	Aur Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Max Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nas Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	40	1664	1539	125	193	149	111	142	97	33	101	114	58	39	22	73	124	566	356	325
2	39	1596	1469	127	203	144	103	136	99	29	97	104	55	36	22	69	120	572	373	332
3	34	1598	1482	116	180	144	101	137	96	27	95	104	56	36	27	69	118	524	346	319
4	42	1661	1528	133	187	145	105	139	104	33	100	110	58	35	31	69	121	540	350	330
5	34	1572	1447	125	191	144	100	135	88	31	90	103	54	34	26	62	112	553	363	328
6	45	1657	1536	121	190	139	96	133	97	29	94	102	54	36	25	68	120	542	357	326
7	25	1768	1643	125	189	141	101	135	104	32	97	113	57	36	28	66	113	532	344	330
8	26	1696	1569	127	184	142	113	138	103	31	100	110	55	34	24	66	117	541	336	327
9	25	1584	1454	130	192	139	105	126	99	30	93	105	51	34	23	64	114	538	352	331
10	40	1650	1533	117	191	144	103	134	101	30	94	101	60	33	25	71	115	546	345	312
11	45	1639	1519	120	187	141	99	135	101	30	91	103	51	35	23	65	113	525	320	308
12	36	1611	1483	128	187	139	99	133	107	30	95	104	51	36	25	63	120	535	357	321
13	28	1710	1584	126	189	141	105	130	100	29	94	105	56	32	24	69	114	538	345	320
14	44	1778	1649	129	188	152	108	150	114	35	106	118	59	40	28	71	126	553	351	340
15	39	1665	1538	127	196	156	103	145	84	32	97	104	49	40	20	62	119	565	362	340
16	24	1599	1475	124	190	141	106	130	97	31	96	110	52	35	28	64	110	548	347	330
17	30	1688	1576	112	174	135	98	127	97	30	93	103	49	33	25	61	115	512	313	291
18	24	1715	1593	122	194	146	107	136	100	31	97	104	53	34	21	65	119	550	362	340

<i>Tribe—Badakshi</i>				<i>No. of individuals—17</i>									<i>Locality—Chitral</i>							
Individual No.	Age	Stature	Height up to Tragus	Aut Ht	Max Hd Lth	Max Hd Br	Min Fr Br	Biz Br	Big Br	Inter Orbital Br	Orbito Nasal Br	Orbito Nasal Arc	Nas Lth	Nas Br	Nasal Ht	U F Lth	T F Lth	Hor Cirm of Hd	Sagittal Arc	Transverse Arc
1	35	1597	1478	119	182	145	102	132	101	30	92	107	59	36	22	78	125	529	343	336
2	50	1631	1502	129	187	143	101	134	99	31	101	109	62	31	22	81	130	536	350	322
3	50	1695	1562	133	188	145	109	141	99	30	97	109	60	38	28	79	132	543	352	336
4	25	1625	1482	143	171	159	108	142	113	34	101	112	55	36	26	74	122	543	319	317
5	30	1794	1664	130	190	149	112	145	103	32	97	113	54	35	27	66	122	557	348	320
6	25	1645	1510	135	187	134	99	125	96	28	90	106	56	30	23	68	115	518	342	318
7	40	1716	1603	113	191	146	106	135	87	31	98	104	57	34	29	73	126	557	342	312
8	35	1759	1616	143	194	153	103	139	98	29	102	117	58	33	27	76	129	549	380	351
9	30	1684	1519	115	191	145	101	133	98	31	96	117	51	33	27	65	125	532	372	330
10	30	1710	1591	119	183	144	107	140	102	33	101	118	61	38	24	76	134	534	343	334
11	50	1649	1531	118	183	138	—	136	99	31	94	117	53	31	28	67	115	536	356	331
12	30	1587	1479	108	182	135	101	131	102	31	94	112	56	37	30	70	121	519	335	317
13	25	1720	1609	111	191	141	98	135	95	30	96	116	55	35	28	71	118	532	342	320
14	25	1604	1490	114	187	144	101	132	101	30	98	109	56	31	29	71	124	536	358	325
15	25	1644	1508	136	184	138	106	126	95	30	95	115	59	35	25	74	130	529	336	324
16	36	1544	1433	111	179	139	105	135	104	36	92	105	54	31	25	73	126	514	343	322
17	30	1605	1484	121	187	145	105	135	110	33	94	111	56	33	23	70	128	542	351	324

E R R A T A

<i>Page</i>	<i>Under</i>	<i>In place of</i>	<i>Read</i>
10	Table 2	Polled	Pooled
33	Nose	Dth.	Depressed
35	Nose	Dth.	Depressed
37	Nose	Dth.	Depressed
		Br.	Broad
		Missing	Moderate
39	Nose	Dth.	Depressed

