

Catalogue of Chiroptera

in the collection of the Zoological Survey of India
(Part - I : Megachiroptera)

MRINAL KANTI GHOSH



ZOOLOGICAL SURVEY OF INDIA

OCCASIONAL PAPER NO. 232

**RECORDS
OF THE
ZOOLOGICAL SURVEY OF INDIA**

**Catalogue of Chiroptera in the collection of the
Zoological Survey of India**

Part I : Megachiroptera

MRINAL KANTI GHOSH

Zoological Survey of India, M-Block, New Alipore, Kolkata - 700053

Edited by the Director, Zoological Survey of India, Kolkata.



सत्यमेव जयते

**Zoological Survey of India
Kolkata**

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2005

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INTRODUCTION

The Order Chiroptera comprises of bats. The bats are unique among living vertebrates having ability to fly and this peculiar feature sets them apart from other mammalian groups. Next to the Order Rodentia, the Order Chiroptera comprise the second largest order of mammals in number of species and possibly exceed all other group of mammals in overall abundance. The Order Chiroptera comprises of two Sub-orders, Megachiroptera and Microchiroptera are readily distinguished by their different morphological characteristics and behavioral peculiarities - exhibiting a dietary diversity which is not found among other living mammals. The bats belonging to the suborder Megachiroptera includes the fruit-eating bats. The other suborder Microchiroptera includes the insect-eating bats. The present assignment includes the specimens of bats (both dry and wet) in the collection of the Zoological Survey of India available in the Headquarter only. The Part I-Megachiroptera includes the fruit-eating bats belonging to the family Pteropodidae.

The Registered specimens of bats belonging to the suborder Megachiroptera only were considered for the volume of Part I. The ensuing publication of the volume Part II will deal with the Registered specimens of bats belonging to the suborder Microchiroptera is expected within a very short time.

ABBREVIATIONS USED IN EXTERNAL MEASUREMENTS

Fa : Length of the forearm.

Tl : Length of the tail.

E : Length of the ear.

Tr : Length of the tragus.

Tb : Length of the tibia.

F & Cl : Length of the foot and claw.

ABBREVIATIONS USED IN CRANIAL MEASUREMENTS

I : Greatest length of the skull.

cb : Condylbasal length.

ccl : Condyl canine length.

mtr : Length of maxillary tooth-row.

c' - *c'* : Greatest canine width.

m-m : Molar width.

rw : Rostrum width.

iw : Least interorbital width.

zw : Zygomatic width.

cw : Cranial width.

ml : Mandibular length.

ltr : Length of the lower tooth-row.

Family PTEROPODIDAE

Genus *Rousettus* Gray, 1821

1. *Rousettus leschenaulti leschenaulti* (Desmarest)

1820. *Pteropus leschenaulti* Desmarest, *Encycl. Meth. Mammal.*, 1 : 110 (Environments of Pondicherry, India).

Common names : Indian Fulvous Fruit Bat (Eng.), Chalta badur (Beng.).

Material available in the National Zoological Collection :

Z.S.I.	Reg.No.	Sex	Nature of Collection	Locality	Collector Date of Collection
16666	F	Skin and Skull,	Tanakpur, Nainital, Uttaranchal.	C.A.Crump 24 Feb. 1914.	
16669	M	Skin and Skull,	Ghatmatha, Satara, Maharashtra.	S.H.Prater 16 Dec. 1914.	
16670	F	Skin and Skull,	Ghatmatha, Satara, Maharashtra.	S.H.Prater 16 Dec.1914.	
16664	M	Skin and Skull,	Tanakpur, Nainital, Uttaranchal.	C.A.Crump 24 Feb. 1914.	
20936	F	Skin and Skull,	Jhajjar Kotli, Udampur, Jammu & Kashmir.	S.Chakraborty 24 Oct.,1975.	

Z.S.I. Reg.No.	Sex	Nature of Collection	Locality	Collector Date of Collection
16671	F	Skin and Skull,	Ghatmatha, Satara, Maharashtra.	S.H.Prater 16 Dec.1914.
16665	M	Skin and Skull,	Tanakpur, Nainital, Uttaranchal.	C.A.Crump 24 Feb. 1914.
19862	M	Skin and Skull,	Chitorgarh, Rajasthan.	P.D. Gupta 22 Sep. 1964.
16673	M	Skin and Skull,	Boitary, Gorkha, Nepal.	N.A. Baptista 18 Dec. 1922.
10715	F	Skin and Skull,	Boitary, Gorkha, Nepal.	N.A. Baptista 19 Dec. 1922.
10714	M	Skin and Skull,	Boitary, Gorkha, Nepal.	N.A. Baptista 19 Dec. 1922
10718	F	Skin and Skull,	Kandy (504m.), Sri Lanka.	E.W.Mayor 5 Feb. 1914.
10717	F	Skin and Skull,	Kandy (504m.), Sri Lanka.	E.W.Mayor 5 Feb. 1914.
16677	F	Skin and Skull,	Kandy (504m.), Sri Lanka.	E.W.Mayor 6 Feb. 1914.
16676	F	Skin and Skull,	Kandy (504m.), Sri Lanka.	E.W.Mayor 4 Feb. 1914.
16672	M	Skin and Skull,	Suchundrum, Travancore, Kerala.	R.S. Pillay 17 Nov 1915.
16678	F	Skin only	Kandy (504m.), Sri Lanka.	E.W.Mayor 8 Feb. 1914
10865	F	Skin and Skull,	Koduru, Balapalli Range, Andhra Pradesh.	N.A. Baptista 27 Jul. 1929
10712	M	Skin and Skull,	Suchundrum, Travancore, Kerala.	
16674	F	Skin only	Zakampatti, Dharmapuri Range Tamil Nadu.	N.A. Baptista 21 Sep. 1930.
16683	F	Skin and Skull,	Kandy, Sri Lanka.	E.W. Mayor 4 Feb. 1914.
20845	M	Skin and Skull,	Dandeli, North Kanara, Karnataka.	V.C. Agrawal 13 Jan. 1977
16684	-	Skull only	Kandy, Sri Lanka.	
10483	M	Skin and Skull,	Siju Cave, Garo Hills Meghalaya.	S.W. Kemp, B.N. Chopra Feb. 1922.
10492	M	Skin and Skull,	Siju Cave, Garo Hills, Meghalaya.	S.W. Kemp, B.N. Chopra Feb. 1922.

Z.S.I. Reg.No.	Sex	Nature of Collection	Locality	Collector Date of Collection
16662	F	Skin and Skull,	Pagan, Sagaing, Upper Burma (=Myanmar)	G.C. Shortridge 28 Oct. 1913.
10716	M	Skin and Skull,	Pagan, Sagaing, Upper Myanmar.	G.C. Shortridge 29 Oct 1913.
16661	M	Skin and Skull,	Mingun.W. Sagaing, Upper Myanmar.	G.C. Shortridge 11 Jul. 1913.
16663	F	Skin and Skull,	Pagan, Sagaing, Upper Myanmar.	G.C. Shortridge 28 Oct. 1913.
16668	M	Skin and Skull,	Tagoot, Upper Myanmar.	G.C. Shortridge 21 Apr. 1914.
16667	M	Skin and Skull,	Tagoot, Upper Myanmar.	G.C. Shortridge 21 Apr. 1914.
25284	F	Skin and Skull,	Kahifama, Manas T.R., Assam.	S.S. Saha 27 Mar. 1986.
25285	F	Skin and Skull,	Kahifama, Manas T.R., Assam.	S.S. Saha 27 Mar. 1986.
25286	F	Skin and Skull,	Kahifama, Manas T.R., Assam.	S.S. Saha 27 Mar. 1986.
25287	F	Skin and Skull,	Kahifama, Manas T.R., Assam.	S.S. Saha 29 Mar. 1986.
25288	M	Skin and Skull,	Kahifama, Manas T.R., Assam.	S.S. Saha 29 Mar. 1986.
25289	F	Skin and Skull,	Kahifama, Manas T.R., Assam.	S.S. Saha 29 Mar. 1986.
25290	F	Skin and Skull,	Kahifama, Manas T.R., Assam	S.S. Saha 5 Apr. 1986.
25291	F	Skin and Skull,	Kahifama, Manas T.R., Assam.	S.S. Saha 5 Apr. 1986.
25292	F	Skin and Skull,	Alabari, Barpeta Dist. Manas Tiger Reserve, Assam.	S.S. Saha 5 Apr. 1986.
25272	F	Skin and Skull,	Garubathan, Darjeeling, West Bengal.	R.K. Ghose 29 Apr. 1981.
25273	M	Skin and Skull,	Khuntimari, Moraghat Range, Jalpaiguri, West Bengal.	P.K. Das 23 Feb. 1979.
25274	F	Skin and Skull,	Garubathan, Darjeeling, West Bengal.	R.K. Ghose 29 Apr. 1981.
25275	M	Skin and Skull,	Bawali, 24-Pgs.(S) West Bengal.	P.K. Das 11 Nov. 1977.
25276	F	Skin and Skull,	Bawali, 24-Pgs.(S) West Bengal.	P.K. Das 11 Nov. 1977.

Z.S.I.	Reg.No.	Sex	Nature of Collection	Locality	Collector Date of Collection
	25277	F	Skin and Skull,	Bawali, 24-Pgs.(S) West Bengal.	P.K. Das 11 Nov. 1977.
	25278	F	Skin and Skull,	Bawali, 24-Pgs.(S) West Bengal.	P.K. Das 11 Nov. 1977.
	25279	F	Skin and Skull,	Bawali, 24-Pgs.(S) West Bengal.	P.K. Das 28 Aug. 1981.
	25280	F	Skin and Skull,	Bawali, 24-Pgs.(S) West Bengal.	P.K.Das 11 Nov. 1977.
	25281	M	Skin and Skull,	Jhapandanga, Barddhaman, West Bengal.	J.P. Lal 01 Sep. 1979.
	25282	F	Skin and Skull,	Baruipur, 24-Pgs.(S), West Bengal.	P.K. Das 5 Aug. 1977.
	25283	F	Skin and Skull,	Susunia Hill, Bankura West Bengal.	J.M. Dasgupta 29 Nov. 1979.
	25269	F	Skin and Skull,	Deban, Namdapha Arunachal Pradesh.	S. Biswas 14 Dec. 1982.
	25270	M	Skin and Skull,	Deban, Namdapha Arunachal Pradesh.	S. Biswas 07. Dec. 1983.
	25271	F	Skin and Skull,	Deban, Namdapha Arunachal Pradesh.	S. Biswas 07 Dec. 1983.
	24679	M	Skin and Skull,	N.Khawbung (c.1500m.), Murlen, Aizawl, Mizoram.	A.K. Mandal 15 Dec. 1993.
	24680	M	Skin and Skull,	N.Khawbung (c.1500m.), Murlen, Aizawl, Mizoram.	A.K. Mandal 16 Dec. 1993.
	24681	F	Skin and Skull,	N.Khawbung (c.1500m.), Murlen, Aizawl, Mizoram.	A.K. Mandal 16 Dec. 1993.
	24682	M	Skin and Skull,	N.Khawbung (c.1500m.), Murlen, Aizawl, Mizoram.	A.K. Mandal 17 Dec. 1993.
	24683	M	Skin and Skull,	N.Khawbung (c.1500m.), Murlen, Aizawl, Mizoram.	A.K. Mandal 18 Dec. 1993.
	24684	F	Skin and Skull,	N.Khawbung (c.1500m.), Murlen, Aizawl, Mizoram.	A.K. Mandal 18 Dec. 1993.
	24685	M	Skin and Skull,	Aiback (c.800m.), Aizawl, Mizoram.	A.K. Mandal 09 Dec. 1993.
	24686	F	Skin and Skull,	Teirei (c.250m.), Dampa- Sanctuary,Aizawl, Mizoram.	A.K. Mandal 26 Dec. 1993.
	18705	F	Skin and Skull,	Singbhum, Bihar.	V. Ball 1870
	4929	F	Skin and Skull,	No history.	
	4930	M	Skin and Skull,	No history.	

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25267	M	Skin and Skull,	Haryana.	J.S. Yadav (Received as Donation)
25268	M	Skin and Skull,	Haryana.	J.S. Yadav (Received as Donation)
25252	M	Skin and Skull,	Sengatheri, Tirunelveli, Tamil Nadu.	S.S. Saha 01 Sep. 1992.
25253	F	Skin and Skull,	Sengatheri, Tirunelveli, Tamil Nadu.	S.S. Saha 29 Aug. 1992.
25254	M	Skin and Skull,	Sengatheri, Tirunelveli, Tamil Nadu.	S.S. Saha 01 Sep. 1992.
25255	M	Skin and Skull,	Sengatheri, Tirunelveli, Tamil Nadu.	S.S. Saha 01 Sep. 1992.
25256	F	Skin and Skull,	Sengatheri, Tirunelveli, Tamil Nadu.	S.S. Saha 01 Sep. 1992.
25257	F	Skin and Skull,	Sengatheri, Tirunelveli, Tamil Nadu.	S.S. Saha 01 Sep. 1992.
25258	F	Skin and Skull,	Sengatheri, Tirunelveli, Tamil Nadu.	S.S. Saha 29 Aug. 1992.
25259	M	Skin and Skull,	Mailar, Tirunelveli, Tamil Nadu.	S.S. Saha 16 Sept. 1992.
25260	F	Skin and Skull,	Mailar, Tirunelveli, Tamil Nadu.	S.S. Saha Aug-Sep. 1992.
25261	M	Skin and Skull,	Mailar, Tirunelveli, Tamil Nadu.	S.S. Saha Aug-Sep. 1992.
25262	F	Skin and Skull,	Mailar, Tirunelveli, Tamil Nadu.	S.S. Saha Aug-Sep. 1992.
25263	F	Skin and Skull,	Mailar, Tirunelveli, Tamil Nadu.	S.S. Saha Aug-Sep. 1992.
25264	F	Skin and Skull,	Mailar, Tirunelveli, Tamil Nadu.	S.S. Saha Aug-Sep. 1992.
25265	F	Skin and Skull,	Mailar, Tirunelveli, Tamil Nadu.	S.S. Saha Aug-Sep. 1992.
25266	M	Skin and Skull,	Mailar, Tirunelveli, Tamil Nadu.	S.S. Saha Aug-Sep. 1992.
25230	F	Skin and Skull,	Vanathiparai, High Wavy- Mountains, Madurai, Tamil Nadu.	S.S. Saha 25 Feb. 1986.
25231	F	Skin and Skull,	Vanathiparai, High Wavy- Mountains, Madurai, Tamil Nadu.	S.S. Saha 25 Feb. 1986.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
25232	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25233	M	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25234	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25235	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25236	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25237	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25238	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25239	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25240	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25241	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25242	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25243	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25244	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25245	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25246	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25247	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25248	M	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25249	M	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25250	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25251	M	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
25209	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25210	M	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25211	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25212	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25213	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25214	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25215	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25216	M	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25217	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25218	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25219	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25220	M	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25221	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25222	M	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25223	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25224	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25225	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25226	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25227	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25228	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
25229	F	Skin and Skull,	Vanathiparai, High Wavy-Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25194	F	Skin and Skull,	Jog, Shimoga, Karnataka.	V.C. Agrawal	16 Jan. 1977.
25195	F	Skin and Skull,	Jog, Shimoga, Karnataka.	V.C. Agrawal	16 Jan. 1977.
25196	F	Skin and Skull,	Jog, Shimoga, Karnataka.	V.C. Agrawal	16 Jan. 1977.
25197	M	Skin and Skull,	Jog, Shimoga, Karnataka.	V.C. Agrawal	17 Jan. 1977.
25198	F	Skin and Skull,	Jog, Shimoga, Karnataka.	V.C. Agrawal	20 Jan. 1977.
25199	F	Skin and Skull,	Dandeli, N. Kanara, Karnataka.	V.C. Agrawal	13 Jan. 1977.
25200	F	Skin and Skull,	Dandeli, N. Kanara, Karnataka.	V.C. Agrawal	13 Jan. 1977.
25201	F	Skin and Skull,	Dandeli, N. Kanara, Karnataka.	V.C. Agrawal	13 Jan. 1977.
25202	M	Skin and Skull,	Dandeli, N. Kanara, Karnataka.	V.C. Agrawal	13 Jan. 1977.
25203	M	Skin and Skull,	Dandeli, N. Kanara, Karnataka.	V.C. Agrawal	13 Jan. 1977.
25204	F	Skin and Skull,	Dandeli, N. Kanara, Karnataka.	V.C. Agrawal	13 Jan. 1977.
25205	F	Skin and Skull,	Dandeli, N. Kanara, Karnataka.	V.C. Agrawal	13 Jan. 1977.
25206	M	Skin and Skull,	Sampaje, Coorg, Karnataka.	V.C. Agrawal	31 Jan. 1977.
25207	M	Skin and Skull,	Sampaje, Coorg, Karnataka.	V.C. Agrawal	31 Jan. 1977.
25208	F	Skin and Skull,	Sampaje, Coorg, Karnataka.	V.C. Agrawal	31 Jan. 1977.
25178	F	Skin and Skull,	Berbera, NW. of Balugan, Orissa.	V.C. Agrawal	30 Jan. 1974.
25179	F	Skin and Skull,	Berbera, NW. of Balugan, Orissa.	V.C. Agrawal	25 Jan. 1974.
25180	F	Skin and Skull,	Berbera, NW. of Balugan, Orissa.	V.C. Agrawal	23 Jan. 1974.
25181	F	Skin and Skull,	Berbera, NW. of Balugan, Orissa.	V.C. Agrawal	25 Jan. 1974.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25182	F	Skin and Skull,	Berbera, NW. of Balugan, Orissa.	V.C. Agrawal 25 Jan. 1974.
25183	F	Skin and Skull,	Berbera, NW. of Balugan, Orissa.	V.C. Agrawal 25 Jan. 1974.
25184	F	Skin and Skull,	Barbarah, Cuttack, Orissa.	A.K. Mandal 02 Aug. 1973.
25185	F	Skin and Skull,	Banpur, Puri, Orissa.	A.K. Mandal 21 Jul. 1973.
25186	F	Skin and Skull,	Barbarah, Cuttack, Orissa.	A.K. Mandal 02 Aug. 1973.
25187	F	Skin and Skull,	Banpur, Puri, Orissa.	A.K. Mandal 21 Jul. 1973.
25188	F	Skin and Skull,	Banpur, Puri, Orissa.	A.K. Mandal 21 Jul. 1973.
25189	F	Skin and Skull,	Banpur, Puri, Orissa.	A.K. Mandal 21 Jul. 1973.
25190	F	Skin and Skull,	Barbarah, Cuttack, Orissa.	A.K. Mandal 02 Aug. 1973.
25191	F	Skin and Skull,	Nandankanan, Cuttack, Orissa.	A.K. Mandal 01 Aug. 1973.
25192	F	Skin and Skull,	Barbarah, Cuttack, Orissa.	A.K. Mandal 02 Aug. 1973.
9191	F	Skin and Skull,	Khandagiri, Puri, Orissa.	F.H. Gravely 08 Nov. 1912.
25193	M	Skin and Skull,	Bhubaneshwar, Puri, Orissa.	M.S. Khaporde
25163	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25164	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 13 Jul. 1973.
25165	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25166	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25167	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25168	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25169	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25170	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25171	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25172	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25173	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25174	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 12 Jul. 1973.
25175	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25176	M	Skin and Skull,	Joshipur, Mayurbhanj, Orissa.	J.K. Sen 15 Nov. 1972.
25177	F	Skin and Skull,	Joshipur, Keonjhar, Orissa.	J.K. Sen 15 Nov. 1972.
25149	F	Skin and Skull,	Boinguinim, Canacona, Goa.	B.C. Saha 16 Feb. 1978.
25150	F	Skin and Skull,	Boinguinim, Canacona, Goa.	B.C. Saha 16 Feb. 1978.
25151	F	Skin and Skull,	Bondla, Goa.	A.K. Mandal Sep. 1977.
25152	M	Skin and Skull,	Boinguinim, Canacona, Goa.	B.C. Saha 16 Feb. 1978.
25153	F	Skin and Skull,	Molem, Goa.	B.C. Saha 01 Feb. 1978.
25154	M	Skin and Skull,	Boinguinim, Canacona, Goa.	B.C. Saha 16 Feb. 1978.
25155	F	Skin and Skull,	Molem, Goa.	A.K. Mandal 28 Sep. 1977.
25156	F	Skin and Skull,	Bondla, Goa.	A.K. Mandal 09 Oct. 1977.
25157	M	Skin and Skull,	Bondla, Goa.	A.K. Mandal Oct. 1977.
25158	F	Skin and Skull,	Bondla, Goa.	A.K. Mandal Oct. 1977.
25159	M	Skin and Skull,	Molem, Goa.	A.K. Mandal 27 Sep. 1977.
25160	M	Skin and Skull,	Molem, Goa.	A.K. Mandal 27 Sep. 1977.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25161	M	Skin and Skull,	Molem, Goa.	A.K. Mandal 30 Sep. 1977.
25162	M	Skin and Skull,	Molem, Goa.	A.K. Mandal Oct. 1977.
22129	M	Skin and Skull,	Sally Lake, 5 Km. from Roing, Debung Valley, Arunachal Pradesh.	S. Chakraborty 25 Jan. 1988.
25134	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 13 Jul. 1973.
25135	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 11 Jul. 1973.
25136	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 14 Jul. 1973.
25137	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 12 Jul. 1973.
25138	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 11 Jul. 1973.
25139	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 12 Jul. 1973.
25140	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 11 Jul. 1973.
25141	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 13 Jul. 1973.
25142	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 12 Jul. 1973.
25143	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 11 Jul. 1973.
20050	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 11 Jul. 1973.
25144	M	Skin and Skull,	Barkat, Sambalpur, Orissa.	A.K. Mandal 01 Jan. 1973.
25129	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha 25 Feb. 1986.
25130	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha 25 Feb. 1986.
25131	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha 25 Feb. 1986.
25132	M	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha 25 Feb. 1986.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
25133	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25109	M	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25110	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25111	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25112	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25113	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25114	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25115	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25116	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25117	M	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25118	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25119	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25120	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25121	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25122	M	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25123	M	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25124	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25125	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25126	M	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.
25127	F	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha	25 Feb. 1986.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25128	M	Skin and Skull,	Vanathiparai, High Wavy Mountains, Madurai, Tamil Nadu.	S.S. Saha 25 Feb. 1986.
21652	F	Skin and Skull,	Chandra, Medinipur, West Bengal.	P.K. Das 16 Sep. 1984.
21647	M	Skin and Skull,	Mandalpushkarini, Medinipur, West Bengal.	P.K. Das 20 Sep. 1984.
21648	F	Skin and Skull,	Mandalpushkarini, Medinipur, West Bengal.	P.K. Das 20 Sep. 1984.
21649	M	Skin and Skull,	Mandalpushkarini, Medinipur, West Bengal.	P.K. Das 20 Sep. 1984.
21650	F	Skin and Skull,	Mandalpushkarini, Medinipur, West Bengal.	P.K. Das 20 Sep. 1984.
21651	F	Skin and Skull,	Mandalpushkarini, Medinipur, West Bengal.	P.K. Das 20 Sep. 1984.
21653	M	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 10 Sep. 1984.
15998	F	Skin and Skull,	Tarkhola, Darjeeling, West Bengal.	H. Khajuria 17 Aug. 1958.
22045	F	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 04 Sep. 1983.
22046	M	Skin and Skull,	Khuntimari, Jalpaiguri, West Bengal.	S. Chakraborty 09 Sep. 1983.
22044	F	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 04 Sep. 1983.
15999	M	Skin and Skull,	Tarkhola, Darjeeling, West Bengal.	H. Khajuria 23 Aug. 1958.
21988	F	Skin and Skull,	Susunia, Bankura, West Bengal.	V.C. Agrawal 07 Jan. 1985.
17952	M	Skin and Skull,	Kumaon, Uttar Pradesh.	
17955	M	Skin and Skull,	Kumaon, Uttar Pradesh.	
17953	M	Skin and Skull,	Kumaon, Uttar Pradesh.	
20502	F	Skin and Skull,	Aligarh, Uttar Pradesh.	B.B. Gupta 1971
17951	M	Skin and Skull,	Kumaon, Uttar Pradesh.	
17954	M	Skin and Skull,	Kumaon, Uttar Pradesh.	

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25079	F	Skin and Skull,	Varanasi, Uttar Pradesh.	S. Mukhopali 1976
19426	M	Skin and Skull,	Rest House, Kanchanpur, Tripura	V.C. Agrawal 12 Feb. 1971.
25077	F	Skin and Skull,	Teen-Ku-Pokhari, (c. 1950m), Hee-Gyathang, N.Sikkim.	R.K. Ghose 09 Jan. 1982.
25078	M	Skin and Skull,	Teen-Ku-Pokhari, (c. 1950m), Hee-Gyathang, N.Sikkim.	R.K. Ghose 09 Jan. 1982.
17902	F	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1914.
17903	F	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1914.
17904	F	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1914.
17905	M	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1914.
17894	M	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1915.
17895	F	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1915.
17896	F	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1915.
17897	M	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1915.
17899	M	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1914.
23621	F	Skin and Skull,	Khindsi, Nagpur, Maharashtra.	S.S. Saha 15 Jan. 1971.
17900	F	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1915.
17898	M	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1915.
17893	F	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1915.
17901	M	Skin and Skull,	Satara, Maharashtra.	S.H. Prater 16 Dec. 1915.
25075	F	Skin and Skull,	Nandev, Maharashtra.	
25076	M	Skin and Skull,	Nandev, Maharashtra.	

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25067	F	Skin and Skull,	Poinguinim Camp, Goa	A.K. Mukherjee 26 Mar. 1973.
25068	F	Skin and Skull,	Poinguinim Camp, Goa.	A.K. Mukherjee 29 Mar. 1973.
25069	M	Skin and Skull,	Poinguinim Camp, Goa.	A.K. Mukherjee 30 Mar. 1973.
25070	F	Skin and Skull,	Poinguinim Camp, Goa.	A.K. Mukherjee 30 Mar. 1973.
25071	F	Skin and Skull,	Poinguinim Camp, Goa.	A.K. Mukherjee 30 Mar. 1973.
25072	F	Skin and Skull,	Panda Camp, Goa.	A.K. Mukherjee 10 Mar. 1973.
25073	M	Skin and Skull,	Panda Camp, Goa.	A.K. Mukherjee 16 Mar. 1973.
25074	F	Skin and Skull,	Panda Camp, Goa.	A.K. Mukherjee 11 Mar. 1973.
25066	M	Skin and Skull,	Poinguinim Camp, Goa.	A.K. Mukherjee 25 Mar. 1973.
18827	M	Skin and Skull,	Margao Camp, Goa.	V.C. Agrawal 19 Dec. 1968.
18828	F	Skin and Skull,	Poinguinim Rest House, Canacona. Goa.	V.C. Agrawal 24 Dec. 1968.
18829	F	Skin and Skull,	Poinguinim Rest House, Canacona. Goa.	V.C. Agrawal 20 Dec. 1968.
18072	M	Skin and Skull,	Sri Lanka.	E.W. Mayor 13 Feb. 1914.
18073	F	Skin and Skull,	Sri Lanka.	E.W. Mayor 13 Feb. 1914.
18074	F	Skin and Skull,	Sri Lanka.	E.W. Mayor 1914
25036	M	Skin and Skull,	Kandy, alt. 1654ft., Central Province, Sri Lanka.	E.W. Mayor Jan-Mar. 1914.
10489	M	Skin and Skull,	Siju Cave, Garo Hills, Meghalaya.	S.W. Kemp Feb. 1922.
10499	M	Skin and Skull,	Siju Cave, Garo Hills, Meghalaya.	S.W. Kemp Feb. 1922.
10500	F	Skin and Skull,	Siju Cave, Garo Hills, Meghalaya.	S.W. Kemp Feb. 1922.
10501	M	Skin and Skull,	Siju Cave, Garo Hills, Meghalaya.	S.W. Kemp Feb. 1922.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
10502	M	Skin and Skull,	Siju Cave, Garo Hills, Meghalaya.	S.W. Kemp Feb. 1922.
10503	M	Skin and Skull,	Siju Cave, Garo Hills, Meghalaya.	S.W. Kemp Feb. 1922.
10505	M	Skin and Skull,	Siju Cave, Garo Hills, Meghalaya.	S.W. Kemp Feb. 1922.
23652	M	Skin and Skull,	Darugiri (c. 1400ft.), E.Garo Hills, Meghalaya.	R.K. Ghose 01 Jul. 1988.
21110	F	Skin and Skull,	Jamduar, Goalpara, Assam.	S.S. Saha 05 Jun. 1973.
21111	M	Skin and Skull,	Jamduar, Goalpara, Assam.	S.S. Saha 05 Jun. 1973.
21235	M	Skin and Skull,	Kherkheria, Darrang, Assam.	R.K. Ghose 04 Feb. 1976.
18702	M	Skin and Skull,	Moulmein Caves, Myanmar.	J. Armstrong 1877.
18703	M	Skin and Skull,	Moulmein Caves, Myanmar.	J. Armstrong 1877.
18704	F	Skin and Skull,	Moulmein Caves, Myanmar.	J. Armstrong 1877.
18706	F	Skin and Skull,	Pegu, Myanmar.	W. Theobald 1872.
21094	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 29 Jan. 1980.
21100	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 28 Jan. 1980.
21093	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 29 Jan. 1980.
21086	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 29 Jan. 1980.
21091	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 29 Jan. 1980.
21089	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 29 Jan. 1980.
21090	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 29 Jan. 1980.
21098	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 23 Jan. 1980.
21101	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 28 Jan. 1980.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
21099	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 23 Jan. 1980.
21097	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 23 Jan. 1980.
21088	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 29 Jan. 1980.
21092	F	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 29 Jan. 1980.
21087	M	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 29 Jan. 1980.
21095	M	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 23 Jan. 1980.
21096	M	Skin and Skull,	Baliaparathodu, Silent Valley, Palghat, Kerala.	S.S. Saha 23 Jan. 1980.
21104	M	Skin and Skull,	Thekkady, Idukky, Kerala.	S. Chakraborty 13 Mar. 1981.
21105	M	Skin and Skull,	Thekkady, Idukky, Kerala.	S. Chakraborty 09 Mar. 1981.
21106	F	Skin and Skull,	Thekkady, Idukky, Kerala.	S. Chakraborty 13 Mar. 1981.
21107	M	Skin and Skull,	Thekkady, Idukky, Kerala.	S. Chakraborty 09 Mar. 1981.
21108	M	Skin and Skull,	Thekkady, Idukky, Kerala.	S. Chakraborty 09 Mar. 1981.
21109	M	Skin and Skull,	Thekkady, Idukky, Kerala.	S. Chakraborty 07 Mar. 1981.
21103	M	Skin and Skull,	Thekkady, Idukky, Kerala.	S. Chakraborty 07 Mar. 1981.
19341	F	Skin and Skull,	Trivandrum, Kerala.	R.Sn. Pillay 07 Nov. 1914.
23974	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyaya 17 Sep. 1987.
23975	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyaya 17 Sep. 1987.
23976	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyaya 17 Sep. 1987.
23977	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyaya 17 Sep. 1987.
23978	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyaya 17 Sep. 1987.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23979	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyaya 18 Sep. 1987.
23980	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyaya 18 Sep. 1987.
23981	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyaya 18 Sep. 1987.
23982	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyaya 18 Sep. 1987.
23815	F	Skin and Skull,	Jhagadiya, Broach, Gujarat.	S. Chakraborty 07 Oct. 1990.
23816	F	Skin and Skull,	Jhagadiya, Broach, Gujarat.	S. Chakraborty 07 Oct. 1990.
23817	F	Skin and Skull,	Jhagadiya, Broach, Gujarat.	S. Chakraborty 07 Oct. 1990.
23397	F	Skin and Skull,	Rajbagh,Ranthombhor Tiger- Reserve, Madhopur, Rajasthan.	R.P. Mukherjee 04 May 1991.
23398	M	Skin and Skull,	Rajbagh,Ranthombhor Tiger- Reserve, Madhopur, Rajasthan.	R.P. Mukherjee 04 May 1991.
23399	F	Skin and Skull,	Rajbagh,Ranthombhor Tiger- Reserve, Madhopur, Rajasthan.	R.P. Mukherjee 04 May 1991.
23400	F	Skin and Skull,	Maniktalao,Ranthambhor Tiger- Reserve, Madhopur, Rajasthan.	R.P. Mukherjee 05 May 1991.
21236	F	Skin and Skull,	City Palace, Jodhpur, Rajasthan.	P.D. Gupta 22 Sep. 1964.
19625	F	Skin and Skull,	Panjurmane, c. 1525m. C. Bhutan.	B. Biswas 11 Dec. 1967.
19626	F	Skin and Skull,	Panjurmane, c. 1525m. C. Bhutan.	B. Biswas 11 Dec. 1967.
19627	F	Skin and Skull,	Panjurmane, c. 1525m. C. Bhutan.	B. Biswas 11 Dec. 1967.
19628	F	Skin and Skull,	Panjurmane, c. 1525m. C. Bhutan.	B. Biswas 12 Nov. 1967.
21317	F	Skin and Skull,	Anantagiri, Vishakhapatnam, Andhra Pradesh.	S.S. Saha 21 Mar. 1985.
21318	M	Skin and Skull,	Anantagiri, Vishakhapatnam, Andhra Pradesh.	S.S. Saha 21 Mar. 1985.
21319	F	Skin and Skull,	Anantagiri, Vishakhapatnam, Andhra Pradesh.	S.S. Saha 17 Mar. 1985.
21320	M	Skin and Skull,	Anantagiri, Vishakhapatnam, Andhra Pradesh.	S.S. Saha 16 Mar. 1985.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
21321	F	Skin and Skull,	Anantagiri, Vishakhapatnam, Andhra Pradesh.	S.S. Saha	16 Mar. 1985.
21322	M	Skin and Skull,	Anantagiri, Vishakhapatnam, Andhra Pradesh.	S.S. Saha	14 Mar. 1985.
21132	M	Skin and Skull,	Borra Guhalu, Vishakhapatnam, Andhra Pradesh.	P.K. Das	08 Mar. 1983.
21133	M	Skin and Skull,	Borra Guhalu, Vishakhapatnam, Andhra Pradesh.	P.K. Das	08 Mar. 1983.

Measurements

External

Z.S.I. Regd. No.	Fa	Tl	E	Tb	F & Cl
16666	78.4	18.0	20.0	-	20.9
16669	82.9	21.0	17.0	-	22.0
16664	77.9	17.0	20.0	-	21.2
20936	78.0	-	18.0	-	22.5
16670	77.6	21.0	18.0	-	22.0
16671	72.8	21.0	19.0	-	21.2
16665	81.2	15.0	20.0	-	22.3
19862	-	18.0	20.0	-	21.0
16673	71.4	16.0	18.0	-	20.8
10718	73.0	14.0	20.0	32.7	18.6
10717	69.4	17.0	20.0	-	-
16677	75.8	15.0	21.0	-	-
16676	76.2	13.0	22.0	-	-
16672	85.2	16.0	20.0	-	18.2
16678	68.1	16.0	20.0	-	-
10865	-	12.0	21.0	-	20.4
10712	80.3	-	17.4	-	21.7
16674	69.9	11.0	21.0	-	18.8
16683	64.8	17.0	18.5	-	17.2
20845	80.5	-	19.0	37.5	20.4
10483	75.2	-	-	-	-
16662	75.7	16.0	19.5	33.6	22.1
10716	72.9	15.0	19.5	29.5	19.4
16661	75.2	15.0	20.0	30.0	22.3
16663	77.3	14.0	18.5	33.9	22.7

Z.S.I. Regd. No.	Fa	Tl	E	Tb	F & Cl
16668	60.4	10.5	14.6	24.3	23.1
16667	66.1	13.0	18.0	25.0	21.1
25284	77.5	17.0	18.1	36.1	19.6
25285	82.0	19.0	19.3	36.6	20.3
25286	78.8	19.0	18.4	36.1	21.8
25287	74.8	15.5	18.2	33.0	17.6
25288	74.0	17.2	20.0	32.8	20.6
25289	73.1	17.4	18.1	32.2	20.0
25290	82.3	24.5	16.8	38.9	18.7
25291	75.2	18.9	18.6	33.8	21.9
25292	74.1	20.3	18.0	33.9	18.4
25272	73.5	15.4	18.8	33.3	20.6
25273	63.4	17.5	20.5	22.5	16.0
25274	73.2	14.0	18.7	32.1	21.4
25275	70.2	13.0	14.8	32.3	17.0
25276	82.4	13.6	18.4	38.1	18.4
25277	77.8	16.1	17.5	35.2	17.7
25278	82.0	13.8	17.9	38.6	20.6
25279	81.1	13.1	19.9	43.2	17.5
25280	69.4	14.1	13.4	31.2	18.3
25281	82.7	13.3	18.3	39.5	18.2
25282	81.5	-	20.0	38.5	21.7
25283	81.3	16.8	16.0	36.6	20.2
25269	73.6	14.6	16.6	32.6	19.9
25270	74.3	12.0	19.6	32.0	21.3
25271	68.5	11.7	15.5	29.8	15.7
24679	83.5	11.8	17.8	40.5	17.0
24680	84.3	12.0	19.0	38.3	17.0
24681	80.0	11.8	19.0	40.0	17.0
24682	80.0	14.8	18.5	36.5	17.5
24683	74.0	10.0	17.5	31.5	20.0
24684	73.0	19.8	18.0	33.5	18.7
24685	86.0	12.1	19.0	41.7	16.5
24686	75.5	11.1	20.0	32.5	21.0
18705	80.2	15.2	17.2	39.9	17.0
4929	86.3	13.2	21.0	39.9	22.3
4930	93.4	13.8	21.2	43.8	24.0
25267	81.5	14.0	19.0	41.2	21.0
25268	82.8	-	13.4	37.7	20.5
25252	86.3	26.6	19.4	42.9	22.3
25253	78.0	18.0	20.0	35.1	21.7

Z.S.I. Regd. No.	Fa	Tl	E	Tb	F & Cl
25254	80.8	19.1	19.4	40.6	20.1
25255	83.4	19.4	19.2	38.8	19.8
25256	79.7	20.8	18.8	36.8	18.5
25257	83.4	17.4	19.0	36.7	20.1
25258	76.0	17.0	19.0	33.4	21.2
25259	69.6	15.5	18.2	29.2	18.8
25209	72.3	17.7	16.4	31.4	21.0
25210	72.6	17.2	18.6	31.7	18.7
25211	71.5	18.7	16.7	31.2	16.3
25212	72.5	18.2	16.7	32.6	18.4
25213	73.8	15.6	17.1	32.8	17.1
25214	74.2	18.8	15.5	33.1	18.7
25215	76.3	23.8	17.7	34.9	19.6
25216	85.3	22.7	19.2	38.6	20.5
25217	71.7	17.0	15.8	33.0	21.2
25218	74.5	18.0	14.4	32.9	20.8
25219	72.5	17.0	13.8	32.8	21.0
25220	75.0	17.4	16.2	31.6	20.0
25221	73.1	18.0	16.8	30.8	21.5
25222	75.1	15.5	15.0	34.9	21.7
25223	78.0	16.3	19.3	33.4	21.3
25224	78.3	18.3	15.2	36.6	21.8
25225	73.1	18.6	-	30.3	19.3
25226	76.3	16.7	14.7	34.0	17.9
25227	71.9	-	-	29.7	20.4
25228	73.7	-	16.2	30.9	18.4
25229	72.6	-	15.7	30.6	20.1
25195	80.0	-	16.5	37.0	-
25196	77.0	-	17.5	35.0	-
25197	87.5	15.0	18.5	40.0	-
25198	73.5	-	17.5	32.5	-
25199	84.0	-	20.0	39.0	-
25200	82.0	-	21.0	40.5	-
25201	82.5	-	20.0	37.5	-
25202	82.0	-	20.0	39.5	-
25203	83.5	-	21.0	40.0	-
25204	84.0	-	19.5	39.5	-
25205	79.0	-	19.0	38.0	-
25206	79.5	-	18.0	39.5	-
25207	80.5	-	19.0	38.5	-
25208	80.0	-	18.0	37.5	-

Z.S.I. Regd. No.	Fa	Tl	E	Tb	F & Cl
25178	78.9	-	-	36.5	18.5
25179	79.4	-	18.8	37.3	20.0
25180	69.7	12.2	-	31.5	17.0
25181	79.6	17.3	-	35.8	18.8
25182	66.4	-	-	27.2	18.2
25183	71.3	16.2	-	31.4	17.0
25184	75.6	-	-	34.3	23.7
25185	74.6	12.5	-	33.2	19.1
25186	83.7	14.6	14.7	36.8	18.4
25187	73.7	-	13.0	33.8	19.0
25188	83.2	-	-	39.3	20.3
25189	76.0	-	-	33.3	17.5
25190	76.2	-	-	33.8	19.8
25191	72.0	-	-	33.5	18.1
25192	77.5	-	-	34.0	16.7
25193	83.5	-	-	40.2	21.4
9191	-	-	-	41.9	20.5
25163	82.4	12.5	17.3	38.2	21.3
25164	73.2	14.5	19.0	32.7	23.9
25165	83.9	11.5	20.5	41.8	21.3
25166	72.5	15.0	18.0	33.3	20.5
25167	82.5	16.0	18.3	38.7	20.6
25168	78.3	14.5	19.4	36.5	21.3
25169	80.3	15.2	20.0	36.2	21.0
25170	75.6	12.7	18.5	34.1	20.5
25171	88.5	18.5	22.1	43.7	22.3
25172	76.5	15.5	20.0	35.2	20.7
25173	77.8	16.0	15.0	34.8	21.3
25174	83.3	18.7	20.0	39.0	22.7
25175	70.8	10.8	18.8	31.5	19.7
25176	85.2	15.8	17.4	41.7	21.4
25177	70.0	15.5	16.7	29.0	19.4
25149	78.5	14.0	16.5	35.6	21.0
25150	82.6	20.4	19.4	37.6	21.9
25151	84.3	21.4	20.6	39.4	22.5
25152 (S.Ad.)	58.3	-	-	-	-
25153	81.3	20.1	19.4	36.5	21.3
25154	86.3	19.1	21.0	38.1	22.1
25155	79.0	-	-	-	-
25156	78.2	-	-	-	-
25157	78.1	-	-	-	-

Z.S.I. Regd. No.	Fa	Tl	E	Tb	F & Cl
25158	77.8	-	-	-	-
22129	70.5	13.6	15.8	30.0	16.6
25134	75.1	14.6	20.7	34.6	20.3
25135	71.7	15.4	18.0	29.5	20.5
25136	72.5	13.3	19.5	33.0	19.8
25137	78.4	14.0	20.3	36.9	20.0
25138	77.3	20.3	20.3	35.3	21.7
25139	75.8	19.8	20.8	35.0	23.2
25140	76.7	14.3	19.5	32.7	20.7
25141	85.7	16.4	19.4	38.6	19.5
25142	73.6	11.6	20.2	32.8	20.0
25143	74.5	14.5	20.9	32.9	22.5
20050	75.3	14.5	17.4	34.4	22.9
25144	74.6	12.4	17.0	32.5	19.4
25129	71.6	22.5	19.0	31.9	17.2
25130	73.5	18.1	21.2	33.5	19.6
25131	75.6	19.2	19.5	33.7	20.4
25132	73.0	19.3	19.4	31.5	19.5
25133	73.4	22.6	19.4	29.9	19.5
25109	73.9	17.0	18.8	34.6	18.6
25110	74.9	16.9	19.4	33.4	18.1
25111	77.2	18.0	20.1	33.9	19.7
25112	74.7	18.1	20.3	34.0	20.8
25113	89.9	14.7	19.3	37.2	18.3
25114	75.3	18.6	19.1	33.5	20.7
25115	74.1	17.5	19.6	32.5	18.1
25116	74.8	17.2	18.3	34.0	20.4
25117	78.5	13.8	21.0	33.6	20.4
25118	71.1	16.9	18.9	30.8	19.0
25119	75.6	12.4	19.0	32.9	20.4
25120	75.2	12.4	18.5	33.9	19.7
25121	74.3	17.2	18.0	32.5	19.7
25122	82.7	15.7	20.6	37.8	21.5
25123	75.3	16.0	17.7	32.2	19.1
25124	72.7	17.2	17.6	32.1	18.7
25125	78.4	14.1	16.5	35.5	20.3
25126	79.7	17.2	18.9	36.2	18.2
25127	76.1	16.3	17.1	33.3	20.3
25128	78.6	19.4	17.9	35.0	19.5
21647	78.2	21.0	23.2	35.7	22.7
21648	77.7	15.3	21.4	30.8	21.5

Z.S.I. Regd. No.	Fa	Tl	E	Tb	F & Cl
21649	79.9	15.4	21.3	37.4	23.6
21650	76.1	19.5	16.5	33.9	19.5
21651	77.7	15.6	21.8	36.4	22.5
21652	71.1	15.3	17.7	28.2	19.5
21653	78.5	17.5	21.8	35.2	21.4
15998	76.7	18.3	19.1	34.5	19.0
15999 (S.ad.)	54.6	-	-	21.8	14.7
22044	76.6	16.5	14.9	34.8	20.5
22045	80.8	13.3	16.1	34.9	20.3
22046	79.5	15.5	20.2	34.8	21.2
21988	78.8	19.1	17.1	35.7	19.6
17952	80.5	25.3	18.1	38.1	19.0
17953	78.3	19.4	19.4	36.6	18.4
17954	82.9	16.6	18.8	40.1	18.9
17955	71.5	16.7	17.5	37.0	22.1
17951	85.9	19.4	20.5	40.4	21.3
20502	71.1	13.5	16.0	28.9	20.3
25079	84.2	18.2	17.5	38.7	20.2
19426	86.5	21.0	22.0	43.0	21.3
25077	76.6	18.1	17.9	34.8	18.0
25078	84.7	16.7	19.4	40.6	22.1
17902	73.0	17.2	18.2	33.2	20.8
17903	-	15.0	17.5	32.9	21.7
17904	-	17.0	19.7	34.0	20.1
17905	86.5	19.2	17.4	39.9	19.8
17894	80.2	18.5	18.2	36.6	21.0
17895	81.6	13.5	17.2	36.7	20.1
17896	-	14.7	16.1	31.0	19.0
17897	79.6	15.2	21.4	37.0	20.3
17899	-	19.4	20.0	38.5	20.5
23621	69.6	14.1	17.8	25.7	14.5
17900	78.9	14.4	19.0	36.8	20.8
17898	75.7	15.4	17.9	33.7	20.8
17893	74.0	17.5	16.8	32.6	20.3
17901	-	16.0	16.2	35.2	20.9
25075	81.2	19.6	16.9	38.3	21.6
25076	89.9	20.6	18.7	41.6	21.8
25066	87.8	19.2	16.3	40.4	19.3
25067	83.5	16.3	18.1	37.3	19.6
25068	83.8	20.2	19.3	36.4	21.0
25069	77.5	17.5	14.8	32.5	19.6

Z.S.I. Regd. No.	Fa	Tl	E	Tb	F & Cl
25070	80.7	14.4	16.2	38.0	21.1
25071	82.2	18.9	16.4	38.0	20.6
25072	73.6	17.5	15.8	31.8	17.4
25073	81.6	20.0	16.7	39.4	22.2
25074	81.5	16.7	16.8	38.8	18.8
18827	80.0	12.5	19.0	35.0	19.5
18828	77.0	13.0	19.0	32.0	21.2
18829	86.0	14.5	20.0	40.0	20.2
18072	77.4	19.1	18.0	33.8	20.6
18073	83.0	19.7	19.0	37.5	20.5
18074	73.4	18.4	19.2	34.3	18.6
25036	77.9	16.0	17.5	36.3	19.9
10489	88.9	17.5	20.5	42.6	19.8
10499 (S.ad.)	67.6	15.9	16.5	33.3	17.8
10500	71.3	14.9	17.8	30.6	18.6
10501	82.0	19.3	18.6	34.1	20.1
10502	87.2	-	19.2	39.0	22.6
10503 (S.ad.)	73.8	16.9	20.0	32.5	20.8
10505	84.4	18.6	21.9	39.6	20.7
23652 (S.ad.)	71.8	16.8	17.3	30.2	21.3
21110	80.0	12.2	19.8	35.6	22.7
21111	74.4	12.0	19.4	30.5	20.4
21235	84.5	15.0	20.5	40.1	19.7
18702	84.3	24.3	18.4	39.5	22.1
18703	85.4	13.9	19.9	38.7	21.5
18704	80.3	17.8	19.3	35.9	18.5
18706	81.4	18.2	17.1	37.8	20.3
21094	75.1	14.5	17.5	34.4	17.4
21100	82.2	16.6	17.3	36.6	19.4
21093	76.5	18.4	17.4	34.5	20.3
21086	78.1	21.2	19.3	37.9	17.5
21091	78.8	16.5	17.6	35.8	18.4
21089	81.0	18.3	18.3	36.5	20.9
21090	69.8	17.5	16.9	31.5	19.8
21098	82.3	19.3	18.0	37.0	21.3
21101	77.4	18.4	17.4	35.0	20.9
21099	75.0	14.2	18.2	33.7	19.4
21097	81.8	-	18.2	36.1	19.5
21088	79.0	-	15.5	35.2	19.2
21092	77.5	18.6	14.1	34.7	21.1
21087	83.0	13.3	15.1	40.0	19.4

Z.S.I. Regd. No.	Fa	Tl	E	Tb	F & Cl
21095	83.1	-	16.5	37.0	20.0
21096	81.0	-	16.2	36.9	20.2
21104	83.0	-	17.8	37.5	21.5
21105	85.5	13.8	20.0	40.6	21.0
21106	80.5	19.3	21.0	35.3	19.3
21107	81.2	15.6	18.0	37.9	19.5
21108	80.5	17.9	17.9	37.9	20.2
21109	80.2	21.2	19.7	38.3	20.4
21103	83.3	16.7	17.9	39.6	20.6
19341	81.7	19.6	18.5	36.2	20.8
23974	74.3	18.4	18.8	34.7	21.3
23975	73.8	20.0	16.2	33.8	18.8
23976	82.8	17.5	19.3	38.0	21.2
23977	75.8	18.6	18.0	32.7	18.8
23978	78.7	14.8	20.2	34.8	20.0
23979	81.6	14.9	17.5	39.0	23.5
23980	84.6	20.2	21.1	39.5	18.3
23981	82.0	20.4	18.0	37.4	23.1
23982	86.7	19.1	18.6	42.9	23.8
23815	77.1	22.1	18.1	35.9	20.1
23816	89.2	17.0	17.9	36.4	19.2
23817	74.7	19.0	15.0	33.6	19.1
23397	83.7	21.0	20.4	38.9	21.9
23398 (S.ad.)	64.8	13.4	14.5	28.7	18.6
23399	64.1	13.6	16.3	24.7	21.3
23400 (S.ad)	63.8	13.8	15.1	28.0	18.0
21236	76.0	16.9	16.4	33.2	22.0
19625	76.0	12.0	18.0	32.3	19.0
19626 (S.ad.)	66.0	11.0	17.0	28.7	18.1
19627	79.0	12.0	19.0	37.3	20.9
19628	80.0	15.0	19.0	38.8	19.6
21317	80.2	19.0	18.7	36.2	19.8
21318	87.2	22.2	19.7	42.1	22.7
21319	82.8	17.7	16.5	37.0	22.8
21320	84.2	16.7	17.0	39.0	22.7
21321	82.1	19.9	18.5	36.5	21.3
21322	83.0	15.1	20.1	36.5	22.6
21132	81.5	20.2	22.5	38.6	22.7
21133	84.1	17.1	20.4	38.1	20.6

Measurements**Cranial**

Z.S.I. Reg. No.	l	cb	mtr	c ^l -c ^l	iw	m-m	zw	cw	ml	ltr
16666	37.6	34.9	14.1	7.4	7.5	10.8	22.1	15.2	28.1	15.8
20936	36.5	34.2	13.8	7.3	7.0	10.5	21.6	15.7	27.4	15.3
16665	-	36.6	15.1	7.3	8.1	11.1	22.3	15.9	29.8	16.5
19862	40.6	37.6	-	-	8.5	-	22.6	15.9	30.2	17.2
16677	36.7	-	13.6	7.1	7.2	11.3	22.0	15.5	26.9	15.0
20845	37.6	34.9	-	7.8	7.4	-	23.2	14.8	27.8	16.0
10483	-	35.9	-	-	7.5	-	22.6	15.7	-	-
10492	-	35.0	-	-	7.4	-	23.5	15.6	-	-
25290	36.9	33.9	14.4	7.1	8.4	11.7	22.4	15.7	27.6	15.7
25283	38.0	35.1	14.5	7.1	7.5	11.2	21.8	15.9	28.4	16.1
25269	34.6	-	13.6	7.1	7.4	10.6	21.2	15.5	25.4	15.1
25271	34.2	31.4	13.7	6.8	7.2	10.8	-	14.1	25.7	14.7
24680	36.8	-	13.7	7.7	6.7	10.7	22.8	15.2	29.2	-
24681	36.2	-	13.6	7.1	7.7	10.8	22.3	15.2	29.1	-
24685	39.7	-	14.0	8.3	8.1	11.6	24.3	15.6	30.7	-
24686	36.7	-	13.7	6.9	7.1	10.4	20.3	15.7	29.0	-
25217	36.0	-	13.3	6.7	8.6	10.7	20.5	15.0	26.1	15.0
25218	36.1	33.7	13.1	6.8	7.3	10.4	20.5	15.0	26.7	14.8
25219	35.5	32.8	13.1	6.8	7.0	10.7	20.6	14.4	26.2	14.4
25220	35.9	32.9	13.7	7.0	7.5	10.8	20.9	15.3	26.0	15.1
25221	34.6	32.0	13.5	7.1	7.2	11.2	20.1	14.9	25.2	14.6
25222	37.1	34.2	14.1	7.5	7.5	11.0	-	15.4	27.4	15.6
25223	37.2	34.1	14.5	7.7	7.7	11.5	22.4	15.5	27.4	16.1
25224	-	-	14.3	-	7.7	11.2	21.1	15.2	27.6	15.8
25225	35.4	32.5	13.8	6.5	6.8	10.1	19.9	15.0	26.3	15.1
25226	37.1	33.6	14.0	7.5	7.5	11.3	21.3	15.2	26.6	15.4
25178	37.1	33.8	14.1	7.4	7.1	10.9	21.5	15.3	-	15.2
25179	37.5	34.4	14.2	7.6	7.3	11.0	22.2	16.2	27.8	15.4
25180	34.5	-	12.8	6.6	7.3	10.5	20.8	15.2	25.0	14.2
25181	37.8	34.9	14.1	7.5	7.6	11.5	21.9	15.6	27.9	15.4
25182	33.3	30.0	12.9	6.7	6.9	10.2	19.1	14.9	24.2	14.4
25183	33.7	31.1	13.4	7.0	7.5	10.7	19.4	14.6	24.9	14.7
25184	33.6	33.5	13.9	7.3	7.6	10.8	21.6	15.5	26.8	15.5
25185	35.6	-	13.1	7.1	7.5	10.4	21.4	15.9	25.9	14.7
25186	38.4	35.5	15.2	7.7	7.8	11.9	23.5	15.7	-	16.1
25187	35.5	32.7	13.7	7.0	7.3	10.7	20.5	15.3	26.1	15.5
25188	39.5	36.6	15.0	8.4	7.7	11.5	23.6	16.0	29.5	16.6

Z.S.I. Reg. No.	l	cb	mtr	c ^l -c ^l	iw	m-m	zw	cw	ml	ltr
25189	37.1	33.8	14.0	7.4	7.1	10.5	20.5	15.8	27.4	15.7
25190	36.9	34.4	14.3	7.2	7.5	10.5	21.5	15.1	27.5	15.7
25191	36.1	32.9	13.7	7.1	7.6	10.4	20.8	15.2	26.9	15.4
25192	36.6	33.4	13.9	7.0	7.5	10.7	20.5	15.7	26.6	15.8
25193	38.4	35.5	14.6	8.2	8.1	11.5	23.1	15.7	28.5	16.6
9191	40.5	37.0	14.2	8.0	8.4	11.4	24.0	15.8	30.5	16.2
25163	37.5	34.5	14.0	6.9	7.4	10.9	21.5	15.1	27.7	15.5
25164	36.2	33.4	13.7	6.8	7.2	10.8	20.3	14.6	-	-
25165	37.9	35.2	14.6	7.0	7.9	10.6	22.4	15.3	27.9	15.7
25166	34.9	31.6	13.6	6.4	6.5	10.4	20.0	14.9	-	-
25167	37.0	34.2	14.2	7.6	7.7	11.2	21.5	15.2	27.1	15.4
25168	37.9	34.4	14.4	7.8	7.9	11.4	21.4	15.7	27.9	16.0
25169	36.0	33.4	14.3	7.7	7.3	11.3	-	15.2	27.1	15.9
25170	36.1	32.7	13.7	6.5	7.6	10.8	21.3	15.7	-	14.8
25171	41.3	38.5	15.2	8.3	8.2	12.2	24.6	16.5	31.0	16.3
25172	36.2	33.6	13.9	6.8	7.6	10.5	20.0	14.9	27.7	15.6
25173	36.3	33.6	14.3	7.4	7.3	11.1	21.2	15.5	27.1	15.6
25174	38.7	35.7	14.7	6.9	7.2	11.0	21.8	15.4	29.2	15.6
25175	33.6	31.0	13.1	6.3	6.7	10.7	-	14.6	24.2	14.6
25176	39.0	36.0	14.7	7.8	7.8	11.9	23.6	16.0	28.6	16.1
25177	34.9	32.0	13.5	7.0	7.0	11.0	20.1	15.1	25.3	14.9
22129	34.5	31.1	13.2	6.9	7.0	10.7	-	14.9	25.0	14.5
25134	36.6	-	13.8	6.7	7.2	10.4	20.9	15.3	26.9	14.9
25135	33.5	31.2	12.6	6.5	7.1	10.6	-	14.8	-	-
25136	-	-	12.5	6.9	6.9	10.4	20.5	14.0	-	14.6
25137	37.4	35.5	13.7	6.8	6.9	10.5	21.4	15.3	-	-
25138	37.2	34.9	14.0	7.4	7.0	10.3	-	15.1	26.5	15.5
25139	36.0	34.0	13.7	6.5	7.0	10.8	20.7	15.6	26.4	15.2
25140	35.4	32.5	14.0	6.5	6.8	10.5	-	14.9	-	-
25141	37.2	34.5	14.0	7.2	7.1	11.0	21.4	14.6	27.5	15.0
25142	35.4	-	13.7	6.9	7.0	10.5	-	15.8	-	-
25143	36.2	33.3	14.5	7.2	7.5	11.4	20.8	15.0	-	15.9
25144	35.7	33.2	14.1	7.0	7.5	11.0	20.7	15.8	26.9	15.7
20050	37.6	-	14.8	7.3	7.7	11.2	20.6	15.1	27.0	15.9
25132	-	-	14.2	7.6	7.5	11.6	20.8	14.9	26.8	16.0
25109	-	-	14.2	7.7	7.2	11.5	21.0	-	22.3	15.3
25122	38.1	36.3	14.7	-	7.4	11.3	22.1	15.5	28.4	15.7
25123	36.5	33.7	13.8	7.3	7.3	10.8	20.7	14.7	26.5	15.1
25124	35.5	32.9	13.8	7.2	7.4	11.0	20.7	15.3	-	14.7
25125	37.6	-	14.7	7.4	7.4	11.2	21.7	15.6	27.3	15.3
25126	-	-	14.6	7.5	7.1	10.6	21.6	15.4	28.7	16.1

Z.S.I. Reg. No.	l	cb	mtr	c ^l -c ^l	iw	m-m	zw	cw	ml	ltr
25127	36.9	35.2	14.0	7.2	7.8	11.1	-	15.3	26.6	15.1
25128	36.1	33.7	13.9	7.5	7.9	11.5	22.2	15.9	27.6	15.7
21647	37.8	35.3	14.6	7.4	7.4	11.3	21.5	15.4	27.5	15.8
21648	36.2	33.4	14.0	6.6	6.9	10.6	20.6	14.6	27.0	15.2
21649	37.4	35.0	15.4	7.5	7.6	10.9	21.7	16.0	22.2	15.8
21650	36.9	34.4	13.6	7.0	7.1	10.1	20.9	15.3	27.4	14.3
21651	36.8	-	14.3	6.6	7.4	11.1	20.1	14.6	27.6	15.7
21652	36.6	33.1	13.8	7.3	7.2	10.9	21.0	15.5	26.2	15.0
22044	37.1	-	13.8	7.6	7.8	11.2	21.2	15.5	27.7	15.4
21988	37.3	34.8	14.5	7.4	8.0	11.4	22.2	15.5	27.7	16.0
20502	33.8	-	12.9	6.7	7.2	10.8	-	15.3	-	14.0
17951	38.8	35.8	15.4	8.8	7.9	12.0	24.0	16.0	29.1	16.8
17954	39.8	35.6	14.5	-	7.9	-	23.3	15.5	29.6	-
25079	38.9	36.0	14.6	7.9	7.8	11.5	24.9	15.6	29.0	-
19426	38.7	35.9	14.7	8.0	8.6	11.6	22.8	15.4	28.9	16.1
25077	36.4	33.3	13.2	6.9	7.4	10.4	20.5	14.6	26.9	14.8
25078	38.1	35.8	14.5	8.3	7.8	12.1	24.1	15.5	28.1	16.3
17895	37.5	34.1	14.3	7.3	7.6	10.7	22.3	15.4	-	15.7
17894	37.5	34.6	13.8	7.3	7.7	10.3	-	15.0	-	15.2
25075	37.5	34.6	13.9	7.3	7.2	11.0	-	15.0	-	15.7
25076	39.6	38.3	15.8	12.9	8.5	12.0	24.1	16.2	30.5	17.0
25067	37.2	34.8	13.9	7.8	7.7	11.5	22.7	15.9	28.1	15.1
25073	38.8	35.7	14.6	8.0	8.1	11.0	23.2	15.5	29.3	15.7
25068	37.5	34.6	14.4	7.3	7.3	11.2	21.6	15.7	28.3	15.9
25069	37.3	34.5	14.3	7.2	7.6	10.7	21.4	15.0	27.2	15.5
25070	36.7	34.3	14.0	7.5	7.0	10.7	21.9	15.3	27.3	15.3
25071	38.0	35.5	14.0	7.5	8.1	11.1	22.5	15.6	27.9	15.4
25066	38.9	36.2	15.2	8.7	7.8	12.4	24.6	16.5	28.7	16.6
25074	36.8	34.0	14.2	7.4	7.2	10.9	-	15.5	26.9	15.8
25072	35.0	32.4	13.3	7.0	7.0	11.0	-	15.3	26.0	14.8
18827	37.2	34.2	13.7	7.5	7.0	10.8	21.4	15.4	27.5	15.0
18829	37.3	34.5	13.9	7.6	7.7	11.2	23.3	15.7	27.7	15.6
18828	33.9	31.2	13.5	6.7	7.0	10.9	-	14.7	25.5	15.0
18074	35.2	32.8	12.9	6.8	6.8	10.5	21.4	15.6	25.4	14.5
10489	39.8	38.4	14.5	7.9	8.0	10.8	23.2	15.3	29.2	16.2
10501	38.1	35.8	14.4	8.3	7.5	11.5	-	16.2	-	15.9
10502	38.9	36.0	14.8	8.3	8.4	11.3	24.2	16.0	28.9	16.4
21111	35.3	32.2	13.8	6.7	6.8	10.4	-	15.2	-	12.9
21235	38.9	36.3	14.4	7.5	8.0	11.1	-	15.9	28.8	15.8
18702	39.7	37.0	15.5	8.5	8.2	11.1	24.0	15.4	30.0	16.0
18703	39.4	36.5	15.1	8.7	7.9	11.7	23.7	16.1	-	16.4

Z.S.I. Reg. No.	l	cb	mtr	c ^l -c ^l	iw	m-m	zw	cw	ml	ltr
18704	38.0	34.7	14.1	12.5	7.3	11.0	21.3	14.7	27.8	15.4
21100	36.7	34.0	14.0	7.0	7.2	10.5	20.8	14.8	27.3	15.5
21086	36.8	34.4	14.6	7.3	7.1	11.0	22.1	15.2	26.5	15.6
21091	36.3	33.6	13.5	6.7	7.2	10.6	21.4	15.4	26.5	14.4
21089	37.0	34.1	14.0	7.3	6.7	11.3	22.1	15.2	27.1	15.7
21098	38.1	35.5	14.1	6.9	7.5	10.4	22.2	15.1	28.5	15.2
21097	37.3	34.6	13.8	6.9	7.3	10.7	21.5	14.5	27.1	14.5
21088	37.2	34.7	14.1	7.3	7.6	11.4	23.0	15.5	27.3	15.6
21092	36.8	34.4	13.7	6.8	7.9	10.8	22.2	15.6	27.4	15.7
21087	37.8	34.9	13.9	7.0	7.9	10.8	23.0	15.7	27.8	15.5
21095	38.9	36.5	15.6	7.9	7.1	11.4	23.1	15.6	28.5	16.6
21096	36.7	34.5	14.0	7.9	7.3	11.4	22.6	15.6	27.6	15.6
19341	36.1	33.3	13.4	7.6	8.2	10.5	21.4	15.5	-	14.5
23979	38.1	35.5	14.2	7.6	7.3	11.2	22.3	15.6	27.6	15.7
23815	37.4	34.4	14.5	7.1	7.4	11.2	20.8	15.0	28.1	16.5
23816	37.2	34.5	14.0	7.0	7.0	11.3	21.6	15.0	27.6	15.4
23817	35.4	-	13.5	6.5	6.7	10.6	20.3	14.9	25.9	14.8
19625	35.9	-	13.4	7.0	7.0	10.5	19.9	15.2	25.9	14.9
19626	32.2	-	12.9	6.3	6.8	10.2	-	14.2	-	14.1
19627	37.4	34.2	13.9	7.2	7.8	11.5	23.1	15.5	27.6	15.3
19628	37.6	35.0	14.1	7.3	8.0	11.3	22.6	15.9	27.0	15.5
21317	36.5	34.0	14.1	7.7	8.0	11.7	22.6	15.3	26.9	15.6
21318	39.2	36.3	15.6	7.9	8.0	11.7	23.8	15.5	29.6	17.1
21319	38.3	35.2	14.7	7.3	7.5	10.8	22.0	16.0	28.0	15.7
21132	40.1	36.8	14.5	7.6	7.6	11.4	23.9	16.1	29.8	16.7
21133	39.3	35.9	14.5	7.4	8.0	11.5	22.5	15.6	29.1	16.2

External measurements of some specimens could not be taken due to partial damage to them. To retain the external characters, the skulls of some of the specimens were not extracted and some extracted skulls were not cleaned properly due to the damage caused to them, so the Cranial measurements of all the specimens also are not available.

Remarks : Only one species and subspecies of the genus *Rousettus* occurs in India. Ellerman & Morrison-Scott (1966) have treated *Rousettus seminudus* (Kelaart, 1850) of Sri Lanka as a species distinct from *Rousettus leschenaulti*, but Sinha (1969) finding no valid differences between Indian population of *Rousettus leschenaulti* and the Sri Lankan population of *Rousettus seminudus*, has synonymised the latter with the former.

Distribution : Widely distributed in the Indian mainland, east to Arunachal Pradesh (Rookmaaker & Bergmans 1981), north to Jammu & Kashmir (Chakraborty 1983) and south to Kerala (Wroughton 1921). Outside India : Pakistan (Siddiqi 1961), Nepal, Sri Lanka (Sinha

1969), Bangladesh (Khan 1962), Bhutan (Chakraborty 1975), Myanmar, Southern China (Andersen 1912, Allen 1938) including Tibet (Cai & Zhang 1980), Hong Kong (ex Allen 1938), Vietnam, Laos (Phillips 1967), Possibly Cambodia (Rookmaaker & Bergmans 1981), Thailand.

2. *Rousettus arabicus* Anderson & de Winton

1902. *Rousettus arabicus* Anderson & de Winton, *Zool. Egypt, Mamm.* 86, 88, 89-90. Lahej. n e a r
Aden, Southern Arabia.

Material available in the National Zoological Collection

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
10710	F	Skin and skull,	Panjgur, Mekran, Baluchistan (3200 ft.)	J.E.B.Hotson 10 Jan 1918.
10711	F	Skin and skull,	Panjgur, Mekran, Baluchistan (3200 ft.)	J.E.B.Hotson 10 Jan 1918.
16679	M	Skin and skull,	Panjgur, Mekran, Baluchistan (3200 ft.)	J.E.B.Hotson 9 Jan 1918.
16680	F	Skin and skull,	Panjgur, Mekran, Baluchistan (3200 ft.)	J.E.B.Hotson 9 Jan 1918.
16681	F	Skin and skull,	Panjgur, Mekran, Baluchistan (3200 ft.)	J.E.B.Hotson 10 Jan 1918.
16682	M	Skin and skull,	Panjgur, Mekran, Baluchistan (3200 ft.)	J.E.B.Hotson 12 Jan 1918.
18707	M	Skin and skull,	Persian Gulf.	W.T.Blanford -1872.

Measurements

External

Z.S.I. Reg. No.	Fa	Tl	E	Tb	F & Cl
10710	84.8	14.0	22.0	-	22.1
10711	80.1	14.0	19.0	-	24.1
16679	89.5	16.0	23.0	-	25.0
16680	89.1	13.0	22.0	-	23.9
16681	84.8	15.0	22.0	-	23.5
16682	87.5	15.0	22.0	-	26.1
18707	82.7	16.0	18.6	38.1	20.8

Measurement**Cranial**

Z.S.I.Reg.No.	l	cb	mtr	cr	c ¹ -c ¹	rw	iw	m-m	zw	cw	ml
18679	42.9	40.1	16.5	12.6	8.6	9.8	8.1	12.2	24.6	16.4	31.8
16680	39.9	37.0	15.5	12.0	7.8	9.2	8.1	12.0	23.9	16.3	29.9
16681	40.1	37.4	15.6	12.0	8.1	9.9	7.8	12.5	23.5	16.1	29.9
16682	42.0	-	17.2	13.2	8.6	10.5	8.2	-	25.0	16.5	31.4

Remarks : The specimens of *Rousettus arabicus* are usually larger in size than the Indian population of *Rousettus leschenaulti*.

Distribution : Approximate distribution of the species : Arabia (Aden, Muscat), Kishim Island (Persian Gulf) and Karachi, Sind.

3. *Rousettus aegyptiacus* (E. Geoffroy)

1810. *Pteropus aegyptiacus* Geoffroy, *Ann. Mus. H. N. Paris*, **15** : 96 (misprint), corrected to *aegyptiacus* in 1818, *Description de L'Egypte*, H.N. **2** : 134, pl. 3, fig. 2. Great Pyramid, Giza, Egypt.

Common name : Egyptian Fruit Bat.

Material available in the National zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
5180	M	Skin and Skull,	Thebes, Egypt.	Specimen was purchased. Specimen was purchased
5181	F	Skin and Skull,	Thebes, Egypt.	

Measurements**External**

Z.S.I.Regd.No.	Fa	Tl	E	Tb	F & Cl
5180	97.5	25.0	21.2	45.4	24.9
5181	88.7	20.9	21.9	40.8	25.5

Measurements

Cranial : Only two specimens are available in the collection. To keep the external characters undisturbed, the skulls of the specimens were not extracted.

Remarks : The specimens are larger in size.

Distribution : Approximate distribution of the species : Cyprus, Palestine, Syria, Egypt and Ethiopian Africa in part, south to Angola.

4. *Rousettus amplexicaudatus* (E. Geoffroy)

1810. *Pteropus amplexicaudatus* E. Geoffroy, *Ann. Mus. H.N. Paris*, **15** : 96, pl. 4. Island of Timor.

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
18701	M	Skin and Skull,	Luzon, Philippine Island.	The specimen was received in exchange from Berlin Museum.

Measurements**External**

Z.S.I. Regd. No.	Fa	Tl	E	Tb	F & Cl
18701	81.0	24.1	17.5	37.6	20.4

Measurement :**Cranial:**

Z.S.I. Reg. No.	l	cb	mtr	cr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr.
18701	38.2	35.0	15.0	11.1	8.2	9.4	8.3	11.4	22.8	15.2	-	16.4

Ramarks : The specimens are larger in size than the specimens of *Rousettus leschenaulti*.

Distribution : Approximate distribution of species : According to Chasen (1940, 29) Northern Siam and Tenasserim, Cambodia, Indo-China (K. Andersen); also from Malay States, Sumatra, Java, Borneo, Philippine Islands, Timor, Flores, etc.

Genus *Pteropus* Brisson, 1762

5. *Pteropus giganteus giganteus* (Brünnich)

1782. *Vespertilio gigantea* Brunnich, *Dyrenes Hist. Dyre-Saml. Univ. Natur-Theater*, 1 : 45 (Bengal=West Bengal, India).

Common name : Indian Flying Fox (Eng.)

Material available in the National Zoological Collection :

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
18952	M	Skin only,	Amarpur, Tripura.	V.C. Agrawal 23 Jan. 1971.
18953	M	Skin and Skull,	Amarpur, Tripura.	V.C. Agrawal 23 Jan. 1971.
18951	M	Skin and Skull,	Amarpur, Tripura.	V.C. Agrawal 23 Jan. 1971.
16734	F	Skin and Skull,	Jakampatti, Dharampur Range, Salem, Tamil Nadu.	N.A. Baptista 24 Sep. 1930.
16743	M	Skin and Skull,	Tirthamalai, Salem, Tamil Nadu.	N.A. Baptista 25 Jan. 1929.
16724	M	Skin only,	Chedikularu, North Province, Sri Lanka	F.W. Mayor 22 Nov. 1913.
16739	F	Skin only,	Pegu, Lower Myanmar.	J.M.D. Mackenzie 30 May. 1916.
16735	F	Skin and Skull,	Toungoo, Lower Myanmar.	J.M.D. Mackenzie 20 Nov. 1927.
16744	M	Skin and Skull,	Palkonda Hills, Cuddapah, Andhra Pradesh	N.A. Baptista 2 Jul. 1930.
16733	F	Skin only,	Palkonda Hills, Kondagorlapenta, Andhra Pradesh	N.A. Baptista 6 Jul 1930.
21261	M	Skin and Skull,	Araku, Vishakhapatnam, Andhra Pradesh.	P.K. Das 30 Jan. 1984.
7099	M	Skin and Skull,	Bangalore, Karnataka.	Jaffer (Mus.Coll.)

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
16737	F	Skin only,	Kolar Town, Mysore, Karnataka.	G.C. Shortridge 19 Sep. 1912.
16718	F	Skin only,	Hawsbhari, Dharwar.	G.C. Shortridge 16 Feb. 1912.
16738	F	Skin and Skull,	Trivandrum Fort, Kerala.	R.S. Pillay 10 May 1915.
19707	M	Skin only,	Trivandrum, Kerala.	23 Jun. 1909.
10751	-	Skin and Skull,	Palkonda Hills, Andhra Pradesh.	N.A. Baptista 25 May 1929.
19708	-	Skin only, (Damaged)	Trivandrum, Kerala.	- -
9921	-	Skin and Skull, (Damaged)	Hawsbhari, Dharwar.	Mammal Survey Coll. 16 Feb. 1912.
8502	F	Skin and Skull,	Satpara, Chilka Lake, Orissa.	J. Caunter (D) -
10414	F	Skin and Skull,	Cherriakuda, Chilka Lake, Orissa	C. Dover & D.W. Gabriel 25 Sep. 1919.
10413	F	Skin and Skull,	Cherriakuda, Chilka Lake, Orissa	C. Dover & D. W. Gabriel 25 Sep. 1919.
2098	F	Skull only,	Cherriakuda, Chilka Lake, Orissa	- -
10412	F	Skull only,	Cherriakuda, Chilka Lake, Orissa	- -
10410	M	Skull only,	Cherriakuda, Chilka Lake, Orissa	C. Dover & D.W. Gabriel 24 Sep. 1919.
9959	F	Skin and Skull,	Barkul, Chilka Lake, Orissa.	D.N. Annandale -
21274	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 15 Jul. 1973.
21278	M	Skin and Skull,	Lathore, Harishankar Rd., Bolangir, Orissa.	Anil Kr. Mondal 16 Dec. 1972.
21275	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 15 Jul. 1973.
21276	F	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 15 Jul. 1973.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
21277	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 15 Jul. 1973.
21279	F	Skin and Skull,	Lathore, Harishankar Rd., Bolangir, Orissa.	Anil Kr. Mondal 13 Dec. 1972.
21280	M	Skin and Skull,	Khejuripada, Ganjam, Orissa.	Anil Kr. Mondal 16 Jul. 1973.
16736	F	Skin and Skull,	Chanda, C.P., Madhya Pradesh.	C.A. Crump 25 June 1912.
16723	F	Skin and Skull,	Patan, Satara, Maharashtra,	S.H. Prater 05 Dec. 1914.
10411	F	Skin and Skull,	Cherriakuda, Chilka Lake, Puri, Orissa.	C. Dover & D.W. Gabriel 24 Sep. 1919.
16722	F	Skin only,	Lina, Chaibasa, Bihar.	C.A. Crump 21 Jul. 1914.
16729	F	Skin and Skull,	Baghouri, Dwarbhanga, Bihar.	N.A. Baptista 27 Jul. 1922.
16726	M	Skin and Skull,	Hasimara, Bhutan Duars.	N.A. Baptista 23 Oct. 1915.
19709	M	Skin and Skull,	Chhotanagpur, Bihar.	V. Ball 21 Nov. 1868.
16741	M	Skin only,	Ussri, Dwarbhanga, Bihar.	N.A. Baptista 07 Aug. 1922.
16725	M	Skin and Skull,	Siliguri, Darjeeling, West Bengal.	C.A. Crump 01 Apr. 1915.
11482	F	Skin and Skull,	Inspection Bungalow, Barakar, Burdwan, WestBengal.	B. Nath 17 Nov. 1948.
11481	F	Skin and Skull,	Inspection Bungalow, Barakar, Burdwan, WestBengal.	B. Nath 17 Nov. 1948.
7588	M	Skin only,	Barrackpore, 24-Parganas (N), West Bengal.	C. Swaries 02 Sep. 1897.
22370	F	Skin and Skull,	Barul, Jhapandanga, Hooghly, West Bengal.	S. Chakraborty 19 Feb. 1974.
22369	F	Skin and Skull,	Barul, Jhapandanga, Hooghly, West Bengal.	S.Chakraborty 19 Feb. 1974.
19723	F	Skin and Skull,	Kolkata, West Bengal.	- 1842-43.
19722	M	Skin and Skull,	Kolkata, West Bengal.	- 1842-43.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
19710	M	Skin and Skull,	Kolkata, West Bengal.	- 1842-43.
19721	F	Skin and Skull,	Kolkata, West Bengal.	- 1842-43.
12092	M	Skin only,	Chachora, Gwalior, Madhya Pradesh.	J.R.O'Brien 17 Nov. 1922.
9923	F	Skin only,	Madhya Pradesh.	B.N.H.S.Mammal Survey, 1912.
10683	M	Skin only,	Bhind, Gwalior Madhya Pradesh.	B.N.H.S.Mammal Survey, 11 Jul. 1928.
16780	M	Skin and Skull,	Guna, Gwalior, Madhya Pradesh.	J.R.O'Brien 10 Oct. 1922.
16728	M	Skin only,	Mohar, Gwalior, Madhya Pradesh.	C. Primrose 24 June 1922.
9922	M	Skin and Skull,	Narsingarh, Damoh, Madhya Pradesh.	B.N.H.S.M.Survey 11 May 1912.
16732	M	Skin and Skull,	Agarmalwa, Gwalior, Madhya Pradesh.	J.R.O'Brien 21 Dec. 1922.
16742	F	Skin and Skull,	Sabargarh, Gwalior, Madhya Pradesh.	C. Primrose 21 Aug. 1922.
10683	-	Skin only, (Damaged)	Bhind, Gwalior, Madhya Pradesh.	C. Primrose -
16717	M	Skin only,	Pili,Sipna Valley, Berar, Madhya Pradesh.	C.A. Crump 01 June 1911.
13074	F	Skin and Skull,	Garhi, Balaghat, Madhya Pradesh.	B.K. Tikader 05 Sep. 1957.
13073	F	Skin and Skull,	Garhi, Balaghat, Madhya Pradesh.	B.K. Tikader 05 Sep. 1957.
10682	M	Skin only	Bhind, Gwalior Madhya Pradesh.	B.N.H.S.M.Survey 11 Jul. 1928.
18618	F	Skin and Skull,	Parshad, Mewar, Madhya Pradesh.	B.N. Chopra, M.L. Roonwal 19 Oct. 1941.
18619	M	Skin and Skull,	Rajasthan.	P.D. Gupta -
18620	M	Skin and Skull,	Rajasthan.	P.D. Gupta 05 Oct. 1964.
11479	M	Skin only	Sirohi, Mt. Abu, Rajasthan.	K.S. Pradhan 09 Mar. 1948.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
11478	M	Skin and Skull,	Sirohi, Mt. Abu, Rajasthan.	K.S. Pradhan 09 Mar. 1948.
16719	M	Skin and Skull,	Rajkot, Kathiawar, Gujarat.	C.A. Crump 20 Dec. 1912.
11480	M	Skin only	Sirohi, Mt. Abu, Rajasthan.	K.S. Pradhan 09 Mar. 1948.
11477	M	Skin and Skull,	Sirohi, Mt. Abu, Rajasthan.	K.S. Pradhan 09 Mar. 1948.
20993	M	Skin and Skull,	Jhajjar Kotli, Udhampur, Jammu & Kashmir.	S. Chakraborty 19 Oct. 1975.
16720	M	Skin and Skull,	Palampur, Kangra, Himachal Pradesh.	H.W. Wells 04 Mar. 1922.
18617	M	Skin only	Teliabagh, Banaras, Uttar Pradesh.	Mati 12 Aug. 1947.
16721	M	Skin and Skull,	Pilibhit, Kumaon, Uttar Pradesh.	C.A. Crump 07 Mar. 1914.
11065	M	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal 20 Mar. 1945.
16731	F	Skin and Skull,	Katla, Kangra, Himachal Pradesh.	H.W. Wells 29 Oct. 1922.
20932	M	Skin and Skull,	Jhajjar Kotli, Udhampur, Jammu & Kashmir.	S. Chakraborty 19 Oct. 1975.
18700	M	Skin and Skull,	Nagpur Maharashtra.	Prof. Moghe 01 May 1941.
20498	M	Skin and Skull,	Jhajjar Kotli, Udhampur, Jammu & Kashmir.	S. Chakraborty 20 Oct. 1975.
11008	F	Skin and Skull,	Amarpura, Santalparganas, Bihar.	H.A. Hafiz 13 Nov. 1938.
10929	M	Skin and Skull,	Manipur.	- -
11806	-	Skin only (Damaged)		De Mello 09 Aug. 1950.
18696	M	Skin and Skull,	Sibsagar, Assam.	S.E. Peal - 1872.
18698	F	Skin and Skull, (Skul damaged)	Kolkata, West Bengal.	J. Anderson - 1866.
19668	F	Skin and Skull,	Kashipur, Koraput, Orissa.	P.K. Das 04 Jun 1972.
18699	F	Skin and Skull,	No History.	-
9226	F	Skin and Skull,	Bhogaon, Purneah, Bihar.	C. Paiva -

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
9931	F	Skin and Skull,	Bhogaon, Purneah, Bihar.	C. Paiva 18 Oct. 1907.
25319	M	Skin and Skull,	Beriganga, Jodhpur, Rajasthan.	B. Biswas 17 Dec. 1956.
25316	F	Skin and Skull,	Toungoo, Lower Myanmar.	J.M.D. Mackenzie 20 Feb. 1927.
25317	M	Skin and Skull,	Goa.	N. Majumdar - Feb. 1978.
25318	-	Specimen damaged	Toungoo, Myanmar.	J.M.D. Mackenzie -
16545	F	Skin and Skull	Jodhpur, Rajasthan.	P.D. Gupta 15 Oct. 1962.
25313	F	Skin and Skull	No History	No History
25314	M	Skin and Skull	Jagdalpur, Bastar, Madhya Pradesh.	M. Haffezullah 02 April 1979.
25315	F	Head only	Kolar, Karnataka.	G.C. Shortridge 1912.
13075	F	Skin and Skull	Garbi, Balaghat, Madhya Pradesh.	B.K. Tikader 05 Sep. 1957.
25309	F	Skin and Skull	Gulap Bag, Udaipur, Rajasthan.	S. Biswas 30 Aug. 1965.
25310	F	Skin and Skull	Phulia, Nadia, West Bengal.	D.K. Ghosal 03 Nov. 1964.
22274	F	Skin and Skull	Kulik, Raiganj, W.Dinazpur, West Bengal.	S. Chakraborty 09 Oct. 1987.
25311	M	Skin and Skull	Rajagarh, Darrang, Assam.	R.K. Ghose 26 Jan. 1976.
25305	F	Skin and Skull	Gulap Bag, Udaipur, Rajasthan.	S. Biswas 30. Aug. 1965.
25306	M	Skin and Skull	Kosba, Kolkata, West Bengal.	P.K. Naskar 10 Aug. 1994.
25307	F	Skin and Skull	Chittorgarh, Rajasthan.	P.D. Gupta 05 Oct. 1964.
25308	F	Skin and Skull	Udaipur, City Palace, Rajasthan.	- - 1964.
6499	-	Skin and Skull	No History.	No History
18821	F	Skin and Skull	Mollim Sakurda Road, Goa.	R.C. Sharma 11 Sep. 1969.
11007	F	Skin and Skull	Palsad, Mewar, Rajputana, Rajasthan.	B.N. Chopra & M.L. Roonwal 18 Oct 1941.

Measurements**External**

Z.S.I	Reg.No.	Fa	E	Tb	F & Cl
	16727	169.0	44.5	89.8	47.5
	18952	170.0	40.0	85.0	46.8
	18953	166.0	41.0	83.0	50.7
	18951	172.0	39.0	87.0	47.4
	16734	174.0	37.0	91.4	47.5
	16743	137.0	35.0	-	43.6
	16724	160.0	40.0	-	43.9
	16739	160.0	37.0	-	45.3
	16735	159.0	40.0	-	50.4
	16744	155.0	39.0	-	57.5
	16733	165.0	37.0	-	52.5
	21261	148.1	35.9	71.6	-
	7099	160.0	-	-	45.5
	16737	140.0	37.0	-	49.0
	16738	120.0	45.0	-	39.8
	9921	-	35.0	-	-
					(Partly damaged)
	21274	175.0	38.1	82.4	57.9
	16736	133.0	41.0	-	-
	21275	177.0	38.1	87.5	59.0
	16723	140.0	38.0	-	46.9
	21280	130.0	38.0	-	47.3
	21276	161.0	37.9	80.0	50.5
	21277	172.0	38.5	83.9	54.3
	16722	125.0	35.0	-	47.1
	16729	150.0	38.0	-	43.5
	16726	130.0	32.0	-	46.2
	16741	163.0	38.0	-	48.5
	16725	147.0	36.0	-	54.2
	11482	161.0	38.0	-	46.0
	11481	161.0	36.0	-	50.4
	7588	160.0	-	-	47.2
	22370	192.0	37.0	-	41.5
	22369	194.0	32.0	-	62.0
	19723	142.0	-	-	-
	12092	140.0	36.0	-	41.1
	9923	155.0	36.0	-	55.0

Z.S.I Reg.No.	Fa	E	Tb	F & Cl
10683	165.0	-	-	58.5
16730	170.0	42.0	-	55.0
16728	180.0	41.0	-	47.7
9922	-	40.0	-	-
				(Damaged)
16732	165.0	40.0	-	53.9
16742	165.0	43.0	-	59.5
16717	142.0	39.0	-	52.7
13074	-	37.5	-	-
				(Damaged)
13073	-	37.5	-	-
10682	150.0	-	-	54.9
18620	-	41.0	-	53.8
18619	-	38.0	-	46.8
16719	174.0	-	-	56.8
20993	152.0	32.0	-	54.0
16720	186.0	36.0	-	57.5
18617	160.0	40.0	-	49.1
16721	165.0	39.0	-	55.9
11065	168.0	38.0	-	54.8
16731	175.0	-	-	60.1
20932	168.0	32.0	-	63.2
20498	-	36.2	78.0	49.1
11008	156.0	35.3	83.5	48.0
10929	165.0	36.6	82.9	47.2
11806	112.7	-	76.9	50.8
18696	164.0	34.4	80.0	42.0
18698	152.0	32.0	73.7	36.0
19668	160.0	41.0	86.0	56.4
18699	163.0	24.1	81.9	52.1
9226	170.0	37.5	83.5	51.8
9931	172.0	32.4	80.1	47.0
25319	158.0	30.6	77.3	45.6
25316	140.6	-	64.9	42.4
25317	154.0	34.4	76.6	47.5
16545	170.0	38.1	88.0	46.2
25313	145.0	21.2	66.5	40.2
25314	99.6	26.8	48.9	35.0
13075	170.0	34.5	77.4	55.7
25309	165.0	38.7	82.4	44.7
11064	170.3	43.0	88.3	50.4

Z.S.I Reg.No.	Fa	E	Tb	F & Cl
25310	154.0	35.5	71.3	40.0
22274	164.0	34.1	77.7	48.6
25311	155.0	40.0	82.6	40.0
25305	173.0	43.0	83.9	41.4
25307	143.0	28.1	72.9	44.6
25308	170.0	38.2	85.8	51.5
18821	150.0	33.6	76.4	44.2
11007	162.0	37.4	77.5	45.1

Measurements**Cranial**

Z.S.I.Reg.No.	l	cb	mtr	cr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr
18953	75.7	71.0	27.9	23.4	13.3	19.7	10.8	17.9	42.8	25.7	56.9	30.7
16725	66.9	63.0	25.2	21.2	11.7	18.6	9.5	-	35.3	23.6	50.7	28.3
16730	72.9	70.6	29.7	23.5	14.7	20.2	10.5	17.5	41.3	24.5	54.6	-
18620	76.1	71.7	28.6	24.4	14.4	20.2	10.1	18.7	41.0	25.3	57.7	-
18619	63.8	-	24.0	19.8	11.8	20.0	8.5	17.2	33.6	23.7	46.9	26.0
20993	67.4	63.7	25.8	21.3	-	18.0	8.8	17.1	34.0	24.0	-	28.5
16720	79.2	75.7	-	25.0	15.0	-	10.2	-	43.6	25.9	60.1	34.0
16721	73.8	68.6	-	24.4	14.0	20.2	10.4	17.7	-	25.9	54.0	31.0
19668	72.2	67.9	27.3	23.4	13.5	19.9	9.6	19.5	37.7	24.6	53.2	27.0
25319	67.5	63.3	25.0	21.0	13.2	18.3	9.3	16.8	34.5	23.7	48.6	28.0
16545	68.3	66.1	26.2	22.2	12.7	19.0	10.5	18.3	38.8	24.6	51.5	29.0
25313	59.7	-	23.9	18.1	11.2	16.8	8.2	-	30.6	22.3	42.6	24.0
25310	64.3	-	24.5	19.8	11.1	14.2	9.3	16.7	33.7	23.1	47.8	27.0
22274	71.1	68.2	27.6	22.4	13.8	15.0	10.3	18.7	-	25.6	57.8	28.0
25311	72.3	68.8	27.8	23.3	-	-	9.3	-	-	25.2	-	30.0
18821	66.3	62.9	26.0	19.9	11.9	15.0	9.5	16.9	33.5	24.1	49.1	28.0

Remarks : Second digit clawed. Membranes from sides of dorsum and the back of second toe. Calcar usually well developed. Lower back blackish brown and ventral parts dark chestnut brown. No external tail. Tibia naked. Canines in male specimens of nearly all species belonging to the genus *pteropus* are usually longer and heavier than in females.

Distribution : Widely distributed throughout the Indian Union including Andaman and Nicobar Islands (Mason 1908). Outside India : Pakistan (Blanford 1891), Nepal, Bangladesh (Blyth 1863), Myanmar and Sri Lanka.

6. *Pteropus giganteus leucocephalus* Hodgson

1835. *Pteropus leucocephalus* Hodgson. J. Asiat. Soc. Bengal, 4 : 700. Central region of Nepal.

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
16727	M	Skin and Skull,	Lakhimpur,	H.W. Wells	
			Assam		02 Nov. 1919.
16740	M	Skin and Skull,	Golaghat,	H.W. Wells	
			Assam		01 Jul. 1920.
11166	M	Skin and Skull,	Imphal Town,	M.L. Roonwal	
		(Partly damaged)	Manipur.		09 Nov. 1945.
11171	F	Skin and Skull,	Imphal Town,	M.L. Roonwal	
		(Partly damaged)	Manipur.		07 Nov. 1945.
11174	M	Skin and Skull,	Imphal Town,	M.L. Roonwal	
		(Skin damaged)	Manipur.		07 Nov. 1945.
11167	M	Skin and Skull,	Imphal Town,	M.L. Roonwal	
		(Skin damaged)	Manipur.		07 Nov. 1945.
11168	M	Skin and Skull,	Imphal Town,	M.L. Roonwal	
			Manipur.		07 Nov. 1945.
11169	M	Skin and Skull,	Imphal Town,	M.L. Roonwal	
			Manipur.		07 Nov. 1945.
11170	F	Skin only,	Imphal Town,	M.L. Roonwal	
			Manipur.		07 Nov. 1945.
11172	F	Skin only,	Imphal Town,	M.L. Roonwal	
			Manipur.		07 Nov. 1945.
11173	F	Skin and Skull,	Imphal Town,	M.L. Roonwal	
			Manipur.		07 Nov. 1945.
9167	F	Skin and Skull,	Sadiya,	S.W. Kemp	
		(Abores Expedition)	N.E. Assam	-	
11164	M	Skin and Skull,	Imphal Town,	M.L. Roonwal	
			Manipur.		04 Sep. 1945.
11165	M	Skin and Skull,	Imphal Town (2600 ft.),	M.L. Roonwal	
			Manipur.		04 Sep. 1945.

Measurements**External**

Z.S.I.Reg.No	Fa	E	Tb	F & Cl
16727	169.0	44.5	89.8	47.5
11166	-	40.0	-	-
				(Skin partly damaged)
11171	-	40.0	-	-
				(Skin partly damaged)
11174	-	38.0	-	-
				(Skin partly damaged)
16740	170.0	38.0	-	48.0
11167	-	36.0	-	-
				(Skin partly damaged)
11169	-	37.0	-	-
				(Skin partly damaged)
11168	-	40.0	-	-
				(Skin partly damaged)
11172	-	35.0	-	-
				(Skin partly damaged)
11173	-	36.0	-	-
				(Skin partly damaged)
11170	-	37.0	-	-
				(Skin partly damaged)
11164	165.0	39.0	84.7	44.1
11165	170.0	42.0	80.0	42.9

Measurements

Cranial : The species is represented by a less number of specimens in the National Zoological Collection. Some of them are badly damaged. The skulls of the fresh specimens were not extracted to retain their external characters and so the cranial measurements are not available.

Remarks : The external characters of the specimens belonging to the species including colour of fur and skull, dentition etc. are similar to *Pteropus giganteus giganteus*. Recently, Agrawal & Bhattacharyya (1977) found overlapping characters between the two species and have questioned the validity of *leucocephalus*. On the basis of several similarities found by other taxonomists, the species was treated as a synonym of *Pteropus giganteus giganteus*.

Distribution : Assam, Manipur, Nepal.

7. *Pteropus melanotus melanotus* Blyth

1846. *Pteropus edulis* Blyth, *J. Asiat. Soc. Bengal*, **15** : 367. Not of E. Geoffroy, 1810.

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23144	F	Skin and Skull,	Campbell Bay, Great Nicobar.	K.K.Tiwari 02 Apr. 1977.
23145	M	Skin and Skull,	Campbell Bay, Great Nicobar.	K.K. Tiwari 02 Apr. 1977.
23146	M	Skin and Skull,	Campbell Bay; Great Nicobar.	K.K. Tiwari 02 Apr. 1977.
23141	M	Skin and Skull,	South Bay, Great Nicobar.	S.S. Saha 11 Jul. 1984.
23140	F	Skin and Skull,	Campbell Bay, Great Nicobar.	P.K. Das 24 Apr. 1975.
23138	M	Skin and Skull,	Campbell Bay, Great Nicobar.	P.K. Das 24 Apr. 1975.
19714	Adol.	Skin and Skull,	South Australia, N.Territory.	D: Adelaide Museum.
23143	M	Skin and Skull,	Pygmalion, Great Nicobar.	S.S. Saha 12 Aug. 1984.
23142	M	Skin and Skull,	South Bay, Great Nicobar.	S.S. Saha 11 Jul. 1984.
23139	F	Skin and Skull,	Campbell Bay, Great Nicobar.	P.K. Das 24 Apr. 1975.
19711	F	Skin and Skull,	Java.	-
21438	M	Skin and Skull,	South Bay, Great Nicobar.	S.S. Saha 22 Aug. 1984.
18064	M	Skin only,	Nicobar Island, A & N Islands.	J. Homfray - 1871.
25303	M	Skin and Skull,	Campbell Bay, Great Nicobar.	K.K. Tiwary 02 Apr. 1977.

Measurements**External**

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
25303	167.0	22.8	80.5	44.3
21438	152.0	19.3	80.0	34.5
23139	154.0	27.0	78.5	49.3
23144	151.5	28.6	73.5	-
23145	152.0	27.3	76.2	-
23138	164.0	25.5	78.7	53.5
23146	163.5	28.2	79.5	-
23140	137.2	27.4	67.7	50.5

Measurements

Cranial : The species is represented by a very small number of specimens in the National Zoological Collection. The skulls of the specimens were not extracted and so the cranial measurements are not available.

Ramarks : During study no sexual difference in colour was found. Crown, as far as back of ears are usually blackish. Ears are large, broad and tip rounded off. Tibia naked above. Fur of back short. Forearm, knee practically naked.

Distributions : The whole group of Nicobar Islands, Car Nicobar and Great Nicobar. Sumatra, Java.

8. *Pteropus melanotus tytleri* Mason

1908. *Pteropus tytleri* Mason, *Rec. Ind. Mus.* 2 : 162. Rutland Island, South Andaman Islands, Bay of Bengal.

Materials Available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
19706	F	Skin and Skull,	South Andaman, A & N Islands.	R.C. Tytler - 1864.
19703	M	Skin only,	South Andaman, A & N Islands.	R.C. Tytler - 1864.
19712	F	Skin and Skull,	South Andaman, A & N Islands.	R.C. Tytler - 1864.
18065	F	Skin and Skull,	South Andaman, A & N Islands.	F. Stoliczka - 1875.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
7619	M	Skin only,	North Andaman, A & N Islands.	-	-
7620	F	Skin only,	North Andaman, A & N Islands.	-	-
7621	Foetus		North Andaman, A & N Islands.	-	-
18060	M	Skin and Skull,	South Andaman, A & N Islands.	R.C. Tytler	- 1863.
18061	M	Skin and Skull,	South Andaman, A & N Islands.	J. Homfray	- 1871.
24763	M	Skin and Skull,	Andaman and Nicobar Islands.	D: Indranil Das	-
24764	F	Skin and Skull,	Andaman and Nicobar Islands.	D: Indranil Das	-
18062	F	Skin and Skull,	South Andaman, A & N Islands.	F. Stoliczka	- 1875.
25312	M	Skin and Skull,	Campbell Bay, Great Nicobar.	K.K. Tiwari	02 Apr. 1977.
18063	F	Skin and Skull,	South Andaman, A & N Islands.	J. Homfray	- Nov. 1871.
25304	F	Skin and Skull,	Campbell Bay, Great Nicobar.	K.K. Tiwari	01 Apr. 1977.

Measurements

External

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
25304	149.7	24.0	69.8	39.1
18063	145.8	25.7	73.1	38.4
25312	145.0	25.0	71.4	43.2
18062	136.0	24.6	63.3	36.3
24763	150.0	26.3	73.0	40.4
24764	140.0	25.5	73.0	42.7
18061	155.0	27.2	75.7	44.6
18060	155.0	29.7	76.0	46.2
7619	139.4	19.1	69.3	37.1

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
7620	155.0	20.5	73.1	-
18065	150.0	28.8	74.6	49.0

Measurements**Cranial**

Z.S.I.Reg.No.	l	cb	mtr	cr	c ¹ -c ¹	iw	m-m	zw	cw	ltr
18065	69.3	65.4	27	22.2	12.8	9.1	17.4	35.9	22.8	29.6
18060	70.0	67.1	27.4	23.4	11.6	10.0	17.3	35.3	23.3	30.3
18061	72.5	68.3	27.7	23.5	13.1	9.7	17.9	38.0	24.3	30.3
18062	59.6	56.4	23.0	19.1	11.5	8.3	15.3	31.5	22.0	25.5
18063	68.2	64.7	26.5	22.7	12.2	8.7	17.3	34.7	23.6	28.7

Remarks : The specimens are smaller in size and the ventral surface are uniformly blackish, otherwise very much similar to *Pteropus melanotus*.

Distribution : South Andaman and Nicobar Islands.

9. *Pteropus vampyrus vampyrus* (Linnaeus)

1758. *Vespertilio vampyrus* Linnaeus, *Syst. Nat.* 10th ed. 1 : 31. Java.

Common Name : Malayan Large Flying Fox (Eng.)

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
19702	F	Skin and Skull,	Java.	D:Batavian Society, - 1845.
19704	M	Skin only,	Java.	D:Batavian Society, - 1845.
19705	M	Skin and Skull,	Java.	D:Batavian Society, - 1845.

Measurements**External**

Z.S.I.Reg.No.	Fa
19702	220.0
19705	175.0

(Specimens are damaged and so the other measurements are not available).

Measurements

Cranial : Only three specimens are available in the collection. To keep the external characters undisturbed, the skulls were not extracted and so the cranial measurements are not available.

Remarks : The specimens are larger in size otherwise similar to *Pteropus giganteus*. Breast and belly dark-coloured.

Distribution : Tenasserim (*Zool.Record.* 1926; *Mamm.* 47); Annam, and phu Quoc Island, Indo-China (Osgood, 1932). Also from Malay States, Sumatra, Java, Borneo, Philippine Islands, Bali, Timor, and numerous adjacent small Malaysian islands.

10. *Pteropus vampyrus malaccensis* Andersen

1908. *Pteropus vampyrus malaccensis* Andersen, *Ann. Mag. N.H.* 2 : 368. Kuala Tembeling, Pahang, 200 ft., Malay Peninsula.

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
16745	M	Skin and Skull,	Mergui Town, Tenasserim.	C. Primrose 15 Oct. 1921.
16746	F	Skin and Skull,	Tavoy Island. Mergui Archipelago.	C. Primrose 23 Oct. 1921.
16747	F	Skin and Skull,	Kisseraing Island. Mergui Archipelago.	C. Primrose 05 Jan. 1922.
16748	F	Skin and Skull,	Barwell Island. Mergui Archipelago.	C. Primrose 18 Mar. 1922.
10685	M	Skin and Skull,	Mergui Town,	-
10686	F	Skin only,	Tavoy Island.	-

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
10687	F	Skin and Skull,	Kisseraing Island. Mergui Archipelago.	C. Primrose -
5241	M	Skin and Skull,	Thaing.	J. Anderson 01 Feb. 1882.
-	M	Skin (Damaged)	Mergui, Myanmar.	D:Maj.Berdmore - 1855.

Measurements**External**

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
16745	208.0	46.0	104.0	59.0
16746	212.0	45.0	-	-
16747	211.0	40.0	108.0	52.0
16748	185.0	40.0	-	-
10685	197.0	-	102.0	58.0
10686	188.0	-	106.0	53.0
10687	206.0	-	103.0	64.0
5241	207.0	-	-	-

Measurements**Cranial**

Z.S.I.Reg.No.	l	cb	mtr	cr	c ¹ -c ¹	iw	m-m	zw	cw	ltr
16745	84.8	78.1	32.1	26.6	13.6	9.2	19.1	47.0	28.2	35.2
16747	77.8	75.4	31.0	25.5	13.0	9.6	20.0	41.9	26.1	33.6

Remarks : Chin and Throat blackish. Foreneck in some specimens generally more or less heavily clouded with blackish washed with dark chestnut. Breast, belly and flanks blackish but never uniform.

Distribution : Malay states, Sumatra, some adjacent islands; northwards to Indo-China, and Tenasserim.

11. *Pteropus hypomelanus geminorum* Miller

1903. *Pteropus geminorum* Miller, *Smith's Misc. Coll.* 45 : 60. South Twin Island, Mergui Archipelage.

Common name : Small Flying Fox (Eng.).

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
16751	F	Skin and Skull,	Malcom Island, Mergui Archipelage.	C. Primrose 06 Feb. 1922.
16752	M	Skin and Skull,	Malcom Island, Mergui Archipelage.	C. Primrose 07 Feb. 1922.
16753	F	Skin and Skull,	Gregory grous of Island, Mergui Archipelage.	C. Primrose 08 Mar. 1922.
16754	F	Skin and Skull,	Barwell Island, Mergui Archipelage.	C. Primrose 18 Mar. 1922.
16755	F	Skin and Skull,	Barwell Island, Mergui Archipelage.	C. Primrose 18 Mar. 1922.
16750	M	Skin and Skull,	Sir John Hayes Island, Mergui Archipelage.	C. Primrose 02 Dec. 1921.
16749	F	Skin and Skull,	Sir John Hayes Island, Mergui Archipelage.	C. Primrose 08 Mar. 1921.
10678	M	Skin and Skull,	Malcom Island,	-
10679	F	Skin and Skull,	Malcom Island.	Mammal Survey Coll. 07 Feb. 1922.
10680	M	Skin and Skull,	Malcom Island.	Mammal Survey Coll. 12 Feb. 1922.
10681	M	Skin and Skull,	Malcom Island.	-

Measurements**External**

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
16751	140.0	26.0	62.7	43.3
16753	112.0	24.0	-	-
16754	145.0	28.0	-	-

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
16755	135.0	29.0	-	-
16750	135.0	25.0	-	-
16752	143.0	26.0	-	-
16749	126.0	24.0	-	-
10680	143.0	25.0	-	-
10679	140.0	26.0	-	-

Measurements**Cranial**

Z.S.I.Reg.No.	l	cb	mtr	cr	c ¹ -c ¹	iw	m-m	zw	cw	ltr
16751	-	-	23.4	19.9	10.0	8.4	16.2	-	-	26.2

Remarks : Head and back generally dark hair-brown. Underparts blackish. Teeth are smaller.

The skulls of most of the specimens were not extracted and so the cranial measurements are not available.

Distribution : Approximately Cochin-China, Siam, Mergui Archipelago (S.Twin Island), Straits of Malacca, Islands off Borneo, Celebes, Philippine Islands.

12. *Pteropus ariel* G. Allen

1908. *Pteropus ariel* G. Allen, *Bull. Mus. Comp. Zool. Harv.* 52, 3 : 28, fig. 1. Male Atoll, Maldive Islands (south-west of Southern Peninsular India.)

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
10944	F	Skin only,	Heratara, Addu-Atoll, Maldives.	D:Marine Survey of India,.....1922.

Measurements**External**

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
10944	160.0	-	-	-

Measurements**Cranial** : Nil.

Remarks : The species is represented in the National Zoological Collection by a single specimen. The skull of the specimen could not be found out. The specimen is very much allied to *Pt.giganteus*.

Distribution : Maldive Archipelago.13. *Pteropus poliocephalus* Temminck1825. *Pteropus poliocephalus* Temminck, *Mon. Mamm.* 1. p. 179. Australia.

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
5386	F	Skin and Skull,	Australia.	Received in exchange from Brisbane Museum.

Measurements**External**

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
5386	160.0	35.5	71.0	38.7

Measurements**Cranial** : Nil.

Remarks : The species is represented by a single specimen in the National Zoological Collection.

Distribution : Eastern Australian coast districts.

14. *Pteropus tonganus* Quoy & Gaimard

1830. *Pteropus tonganus*, Quoy & Gaimard, *Voy. 'Astrolabe'*, Zool. 1. p. 74, pl. viii. fig. 1 (col. fig. of young). figs. 2, 3 (skull), fig. 4 (col. fig. of pale variety, young) Tonga-Tabu.

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
18066	M	Skin and Skull,	Polynesia, Samoa Island.	Received in exchange from British Museum in 1877.

Measurements**External**

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
18066	139.9	30.7	68.8	34.6

Measurements**Cranial**

Z.S.I.Reg.No.	l	cb	mtr	cr	c ^l -c ^l	iw	m-m	zw	cw	ltr
18066	66.0	60.7	24.3	19.1	12.5	7.2	16.1	34.3	22.7	26.5

Remarks : The species is represented in the National Zoological Collection by a single specimen.

Distribution : Fiji, Tonga and Samoa Island.

15. *Pteropus faunulus* Miller

1902. *Pteropus faunulus* Miller, *Proc.U.S.Nat.Mus.* **24** : 785. Car Nicobar, Nicobar Islands, Bay of Bengal.

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
21435	M	Skin and Skull,	Tee Top, Car Nicobar, A & N Islands.	A.K. Mukherjee 27 Feb. 1972.
21436	F	Skin and Skull,	Tee Top, Car Nicobar, A & N Islands.	A.K. Mukherjee 27 Feb. 1972.
21437	M	Skin and Skull,	Tee Top, Car Nicobar, A & N Islands.	A.K. Mukherjee 27 Feb. 1972.

Measurements

External

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
21435	113.0	25.1	53.8	29.0
21436	115.5	24.1	52.5	26.6
21437	110.5	22.9	43.4	26.1

Measurements

Cranial

Z.S.I.Reg.No.	l	cb	mtr	cr	c ^l -c ^l	iw	m-m	zw	cw	ltr
21436	53.4	50.1	19.1	15.7	10.6	7.5	13.1	28.9	20.0	21.6

(The skulls of the other two specimens are badly damaged and the measurements could not be taken).

Remarks The specimens mostly resembles to *Pt.hypomelanus*. Smaller in size, with smaller teeth and longer fur. Back furs are brownish in colour.

Distribution : Nicobar Islands : Car Nicobar, Nankauri.

16. *Pteropus rodricensis* Dobson

1878. *Pteropus rodricensis* Dobson, l.s.c. *Rodriguez*.

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
18697	M	Skin and Skull,	Rodriguez Island.	Received in exchange from British Museum in 1877
19713	-	Damaged specimen,	Island of Rodriguez.	D: J. Caldwell 04 Nov. 1878.
3353	-	Complete skull only,	Island of Rodriguez.	D: J. Caldwell 04 Nov. 1878.
9949	-	Complete skull only,	Island of Rodriguez.	D: J. Caldwell 04 Nov. 1878.

Measurements

External

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
18697	120.6	22.7	56.8	32.8

Measurements

Cranial : Nil.

Remarks : Ears are comparatively smaller and usually concealed in fur. Fur silky and long. Tip of ears sharply pointed and below tip the outer margin distinctly concave.

Distribution : Rodriguez.

Genus *Cynopterus* F. Cuvier, 182417. *Cynopterus sphinx sphinx* (Vahl)

1797. *Vespertilio sphinx* Vahl. *Skr.Naturh-Selsk.Copenhagen*, 4 : 123 (Tranquebar, Thanjavur district, Tamil Nadu, India).

Common name : Short-nosed Fruit Bat (Eng.).

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
11092	F	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	21 Mar. 1945.
12345	F	Skin and Skull,	Varanasi, Uttar Pradesh.	Kewal Singh	04 Jun. 1948.
11055	M	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	18 Mar. 1945.
11051	F	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	18 Mar. 1945.
11052	F	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	18 Mar. 1945.
11050	F	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	18 Mar. 1945.
11081	M	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	20 Mar. 1945.
11080	F	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	20 Mar. 1945.
11079	F	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	20 Mar. 1945.
11078	F	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	20 Mar. 1945.
11095	F	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	21 Mar. 1945.
11091	M	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	21 Mar. 1945.
11094	F	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	21 Mar. 1945.
11093	F	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal	21 Mar. 1945.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
22294	F	Skin and Skull,	Shrikrishnapur,Amtala, 24-Pgs(S),W.Bengal	P.K. Das 20 Mar. 1982.
22289	F	Skin and Skull,	Shrikrishnapur,Amtala, 24-Pgs(S),W.Bengal	P.K. Das 20 Mar. 1982.
22290	M	Skin and Skull,	Shrikrishnapur,Amtala, 24-Pgs(S),W.Bengal	P.K. Das 20 Mar. 1982.
22291	M	Skin and Skull,	Shrikrishnapur,Amtala, 24-Pgs(S),W.Bengal	P.K. Das 20 Mar. 1982.
22285	M	Skin and Skull,	Bawali, 24-Pgs (S) West Bengal	P.K. Das 05 Jun. 1978.
22284	M	Skin and Skull,	Bawali, 24-Pgs (S) West Bengal.	P.K. Das 05 Jun. 1978.
22286	F	Skin and Skull,	Bawali, 24-Pgs (S) West Bengal.	P.K. Das 05 Jun. 1978.
22287	M	Skin and Skull,	Bawali, 24-Pgs (S) West Bengal.	P.K. Das 17 Apr. 1978.
22288	F	Skin and Skull,	Bawali, 24-Pgs (S) West Bengal.	P.K. Das 17 Apr. 1978.
22249	M	Skin and Skull,	Nakashipara, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22241	M	Skin and Skull,	Kaliganj, Nadia, West Bengal.	S. Chakraborty 22 Oct. 1987.
22240	F	Skin and Skull,	Kaliganj, Nadia, West Bengal.	S. Chakraborty 22 Oct. 1987.
22242	F	Skin and Skull,	Lalbagh, Murshidabad, West Bengal.	S. Chakraborty 18 Oct. 1987.
22244	M	Skin and Skull,	Lalbagh, Murshidabad, West Bengal.	S. Chakraborty 19 Oct. 1987.
22246	M	Skin and Skull,	Ramnagar, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22243	F	Skin and Skull,	Berhampur, Murshidabad, West Bengal.	S. Chakraborty 15 Oct. 1987.
22239	F	Skin and Skull,	Namil, Berhampur, Murshidabad,W.Bengal	S. Chakraborty 16 Oct. 1987.
22293	M	Skin and Skull,	Shrikrishnapur,Amtala, 24-Pgs(S),W.Bengal	P.K. Das 20 Mar. 1982.
22292	F	Skin and Skull,	Shrikrishnapur,Amtala, 24-Pgs(S),W.Bengal	P.K. Das 20 Mar. 1982.
22295	F	Skin and Skull,	Shrikrishnapur,Amtala, 24-Pgs(S),W.Bengal	P.K. Das 20 Mar. 1982.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
11053	M	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal 18 Mar. 1945.
22146	F	Skin and Skull,	Lalbagh, Murshidabad, West Bengal.	S. Chakraborty 18 Oct. 1987.
22145	M	Skin and Skull,	Lalbagh, Murshidabad, West Bengal.	S. Chakraborty 19 Oct. 1987.
22147	M	Skin and Skull,	Nakashipara, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22157	M	Skin and Skull,	Muragacha, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22152	F	Skin and Skull,	Berhampur, Murshidabad, West Bengal.	S. Chakraborty 15 Oct. 1987.
22144	M	Skin and Skull,	Bhabta, Murshidabad, West Bengal.	S. Chakraborty 17 Oct. 1987.
22247	M	Skin and Skull,	Plassey, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22245	M	Skin and Skull,	Plassey, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22251	M	Skin and Skull,	Muragacha, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22250	M	Skin and Skull,	Muragacha, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22248	M	Skin and Skull,	Nakashipara, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
25609	F	Skin and Skull,	Singur, Hooghly, West Bengal.	- 27 Sep. 1967.
25610	F	Skin and Skull,	Singur, Hooghly, West Bengal.	- 27 Sep. 1967.
25611	F	Skin and Skull,	Singur, Hooghly, West Bengal.	- 27 Sep. 1967.
22154	M	Skin and Skull,	Ramnagar, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22153	F	Skin and Skull,	Ramnagar, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22155	M	Skin and Skull,	Ramnagar, Nadia, West Bengal.	S. Chakraborty 21 Oct. 1987.
22151	M	Skin and Skull,	Kaliganj, Nadia, West Bengal.	S. Chakraborty 22 Oct. 1987.
22150	F	Skin and Skull,	Kaliganj, Nadia, West Bengal.	S. Chakraborty 22 Oct. 1987.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
22148	M	Skin and Skull,	Kaliganj, Nadia, West Bengal.	S. Chakraborty 22 Oct. 1987.
22149	F	Skin and Skull,	Kaliganj, Nadia, West Bengal.	S. Chakraborty 22 Oct. 1987.
19663	M	Skin and Skull,	Kamardingi, Hooghly, West Bengal.	S. Chakraborty 20 Feb. 1974.
19664	F	Skin and Skull,	Kamardingi, Hooghly, West Bengal.	S. Chakraborty 20 Oct. 1974.
19665	F	Skin and Skull,	Kamardingi, Hooghly, West Bengal.	S. Chakraborty 20 Feb. 1974.
19666	M	Skin and Skull,	Kamardingi, Hooghly, West Bengal.	S. Chakraborty 21 Feb. 1974.
25602	M	Skin and Skull,	Singur, Hooghly, West Bengal.	A.K. Mandal 09 Nov. 1974.
25603	M	Skin and Skull,	Singur, Hooghly, West Bengal.	A.K. Mandal 09 Nov. 1974.
25604	F	Skin and Skull,	Singur, Hooghly, West Bengal.	A.K. Mandal 07 Nov. 1975.
25605	M	Skin and Skull,	Singur, Hooghly, West Bengal.	A.K. Mandal 08 Nov. 1975.
25606	M	Skin and Skull,	Singur, Hooghly, West Bengal.	A.K. Mandal 08 Nov. 1974.
25607	M	Skin and Skull,	Singur, Hooghly, West Bengal.	A.K. Mandal 09 Nov. 1974.
25608	M	Skin and Skull,	Singur, Hooghly, West Bengal.	A.K. Mandal 27 Sep. 1967.
23470	F	Skin and Skull,	Nawapara, Bolangir, Orissa.	A.K. Mandal 15 Dec. 1972.
23466	M	Skin and Skull,	Mohana, Ganjam, Orissa.	A.K. Mandal 16 Jul. 1973.
23451	F	Skin and Skull,	Banpur, Puri Orissa.	A.K. Mandal 21 Jul. 1973.
19573	M	Skin and Skull,	Kasipur, Koraput, Orissa.	P.K. Das 18 Jun 1972.
19574	F	Skin and Skull,	Joshipur, Mayurbhanj, Orissa.	A.K. Mandal 30 Jan. 1971.
19575	M	Skin and Skull,	Rice Research Institute, Cuttack, Orissa.	A.K. Mukherjee 27 Oct. 1971.
19576	F	Skin and Skull,	Rice Research Institute, Cuttack, Orissa.	A.K. Mukherjee 27 Oct. 1971.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
19577	M	Skin and Skull,	Mohana, Berhampur, Orissa.	V.C. Agrawal	16 Dec. 1971.
19578	M	Skin and Skull,	Mohana, Berhampur, Orissa.	V.C. Agrawal	16 Dec. 1971.
19579	F	Skin and Skull,	Kotagarh, Baudhkhondmals, Orissa.	P.K. Das	21 May 1972.
19580	F	Skin and Skull,	Bagmunda, Dhenkanol, Orissa.	V.C. Agrawal	05 Jan. 1972.
25600	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das	27 Mar. 1976.
25601	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das	28 Mar. 1976.
23448	M	Skin and Skull,	Konarak, Puri, Orissa.	A.K. Mandal	29 Jul. 1973.
23447	F	Skin and Skull,	Pipli, Puri, Orissa.	A.K. Mandal	30 Jul. 1973.
23460	M	Skin and Skull,	Pallahara, Sambalpur, Orissa.	A.K. Mandal	31 Dec. 1972.
23469	M	Skin and Skull,	Nawapara Rd., Bolangir, Orissa.	A.K. Mandal	15 Dec. 1972.
23454	F	Skin and Skull,	Nandan Kanon, Cuttack, Orissa.	A.K. Mandal	01 Aug. 1973.
23457	M	Skin and Skull,	Bonaigarh, Sundargarh, Orissa.	A.K. Mandal	07 Jan. 1973.
23465	-	Skin and Skull,	Rajagarha, Koraput, Orissa.	A.K. Mandal	-
23455	F	Skin and Skull,	Barbarah, Cuttack, Orissa.	A.K. Mandal	02 Aug. 1973.
23449	M	Skin and Skull,	Puri, Puri, Orissa.	A.K. Mandal	25 Jul. 1973.
23471	M	Skin and Skull,	Harisankar, Bolangir, Orissa.	A.K. Mandal	18 Dec. 1972.
23464	-	Skin and Skull,	Biswanathpur, Koraput, Orissa.	A.K. Mandal	18 Dec. 1972.
23461	F	Skin and Skull,	Badrama, Sambalpur, Orissa.	A.K. Mandal	27 Dec. 1972.
23462	M	Skin and Skull,	Badrama, Sambalpur, Orissa.	A.K. Mandal	27 Dec. 1972.
23463	F	Skin and Skull,	Badrama, Sambalpur, Orissa.	A.K. Mandal	26 Dec. 1972.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23452	F	Skin and Skull,	Pratap Village, Puri, Orissa.	A.K. Mandal 23 Jul. 1973.
23450	F	Skin and Skull,	Pratap Village, Puri, Orissa.	A.K. Mandal 23 Jul. 1973.
23468	M	Skin and Skull,	Khajuripada, Ganjam, Orissa.	A.K. Mandal 17 Jul. 1973.
23467	F	Skin and Skull,	Khajuripada, Ganjam, Orissa.	A.K. Mandal 17 Jul. 1973.
23458	F	Skin and Skull,	Kaling, Phulbani, Orissa.	A.K. Mandal 30 Jun 1974.
23459	F	Skin and Skull,	Kaling, Phulbani, Orissa.	A.K. Mandal 02 Apr. 1974.
23456	F	Skin and Skull,	Udaigiri, Cuttack, Orissa.	A.K. Mandal 03 Aug. 1973.
23453	F	Skin and Skull,	Nayagarh, Puri, Orissa.	A.K. Mandal 20 Jul. 1973.
11054	M	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal 18 Mar. 1945.
11056	M	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal 18 Mar. 1945.
11057	M	Skin and Skull,	Lucknow, Uttar Pradesh.	M.L. Roonwal 18 Mar. 1945.
8096	F	Skin and Skull,	Port Blair, Andaman Islands.	A.R.S. Anderson -
8095	F	Skin and Skull,	Port Blair, Andaman Islands.	A.R.S. Anderson -
25590	M	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 16 Jan. 1972.
25591	F	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 16 Jan. 1972.
25580	F	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 16 Jan. 1972.
25584	M	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 17 Jan. 1972.
25578	F	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 17 Jan. 1972.
25581	M	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 18 Jan. 1972.
25583	M	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 21 Jan. 1972.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25588	F	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 22 Jan. 1972.
25593	F	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 02 Feb. 1972.
25577	F	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 17 Jan. 1972.
25579	F	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 17 Jan. 1972.
25589	M	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 21 Jan. 1972.
25587	F	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 16 Jan. 1972.
25585	F	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 16 Jan. 1972.
25582	M	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 16 Jan. 1972.
25592	M	Skin and Skull,	Rangat, M.Andaman.	A.K. Mukherjee 21 Feb. 1972.
25586	F	Skin and Skull,	Chiriatapu, South Andaman.	A.K. Mukherjee 17 Jan. 1972.
22077	F	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22078	F	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22079	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 04 Sep. 1983.
22080	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 04 Sep. 1983.
22081	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22082	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22083	M	Skin and Skull,	Sulka pra, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22074	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22070	F	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22075	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
22076	F	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22073	F	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22086	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22085	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22071	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 04 Sep. 1983.
22069	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22072	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22068	F	Skin and Skull,	Koch Bihar Town, Koch- Bihar, West Bengal.	S. Chakraborty 17 Sep. 1983.
22087	F	Skin and Skull,	Koch Bihar Town, Koch- Bihar, West Bengal.	S. Chakraborty 17 Sep. 1983.
22093	M	Skin and Skull,	Khuntimari, Jalpaiguri, West Bengal.	S. Chakraborty 08 Sep. 1983.
22088	M	Skin and Skull,	Khuntimari, Jalpaiguri, West Bengal.	S. Chakraborty 09 Sep. 1983.
22094	M	Skin and Skull,	Khuntimari, Jalpaiguri, West Bengal.	S. Chakraborty 09 Sep. 1983.
22090	M	Skin and Skull,	Khuntimari, Jalpaiguri, West Bengal.	S. Chakraborty 09 Sep. 1983.
22091	M	Skin and Skull,	Khuntimari, Jalpaiguri, West Bengal.	S. Chakraborty 09 Sep. 1983.
22092	M	Skin and Skull,	Khuntimari, Jalpaiguri, West Bengal.	S. Chakraborty 09 Sep. 1983.
22089	F	Skin and Skull,	Khuntimari, Jalpaiguri, West Bengal.	S. Chakraborty 09 Sep. 1983.
23765	F	Skin and Skull,	Jhagadiya Broach, Gujarat.	S. Chakraborty 07 Oct. 1990.
23766	F	Skin and Skull,	Valod, Surat, Gujarat.	S. Chakraborty 13 Oct. 1990.
23767	F	Skin and Skull,	Valod, Surat, Gujarat.	S. Chakraborty 12 Dec. 1990.
23768	F	Skin and Skull,	Waghai, The Drangs, Gujarat.	S. Chakraborty 19 Oct. 1990.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23769	F	Skin and Skull,	Vansda, Valod, Gujarat.	S. Chakraborty 13 Oct. 1990.
23770	M	Skin and Skull,	Netrang, Broach, Gujarat.	S. Chakraborty 07 Oct. 1990.
23771	F	Skin and Skull,	Unai, Surat, Gujarat.	S. Chakraborty 14 Oct. 1990.
23761	F	Skin and Skull,	Jhagadiya Broach, Gujarat.	S. Chakraborty 06 Oct. 1990.
23762	F	Skin and Skull,	Jhagadiya Broach, Gujarat.	S. Chakraborty 06 Oct. 1990.
23763	M	Skin and Skull,	Jhagadiya Broach, Gujarat.	S. Chakraborty 06 Oct. 1990.
23764	F	Skin and Skull,	Jhagadiya Broach, Gujarat.	S. Chakraborty 07 Oct. 1990.
23754	M	Skin and Skull,	Valod, Surat, Gujarat.	S. Chakraborty 12 Oct. 1990.
23751	M	Skin and Skull,	Jhagadiya Broach, Gujarat.	S. Chakraborty 06 Oct. 1990.
23752	F	Skin and Skull,	Jhagadiya Broach, Gujarat.	S. Chakraborty 07 Oct. 1990.
23739	F	Skin and Skull,	Jhagadiya Broach, Gujarat.	S. Chakraborty 07 Oct. 1990.
23740	M	Skin and Skull,	Jhagadiya Broach, Gujarat.	S. Chakraborty 07 Oct. 1990.
23772	M	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 17 Oct. 1990.
23773	M	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23774	F	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23775	F	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23776	M	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23742	F	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 17 Oct. 1990.
23743	F	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 17 Oct. 1990.
23744	F	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 17 Oct. 1990.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23745	M	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 17 Oct. 1990.
23746	F	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23747	M	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23748	M	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23749	M	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 17 Oct. 1990.
23750	F	Skin and Skull,	Mahal Dangs, The Dangs, Gujarat.	S. Chakraborty 17 Oct. 1990.
23753	M	Skin and Skull,	Valod, Surat, Gujarat.	S. Chakraborty 12 Oct. 1990.
23741	F	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 17 Oct. 1990.
16711	F	Skin and Skull,	Toungoo(W), Myanmar.	J.M.D. Mackenzie 16 May 1927.
16692	F	Skin and Skull,	Toungoo(W), Myanmar.	J.M.D. Mackenzie 26 Oct. 1927.
16712	M	Skin and Skull,	Toungoo(W), Myanmar.	J.M.D. Mackenzie 22 May 1927.
16691	M	Skin only,	Toungoo(W), Myanmar.	J.M.D. Mackenzie 02 Apr. 1927.
16689	M	Skin and Skull,	Malcom Island, Mergui- Archipelago, Myanmar.	C. Primrose 08 Feb. 1922.
16690	F	Skin and Skull,	Malcom Island, Mergui- Archipelago, Myanmar.	C. Primrose 08 Feb. 1922.
10628	M	Skin and Skull,	Malcom Island, Mergui- Archipelago, Myanmar.	C. Primrose 08 Feb. 1922.
10629	F	Skin and Skull,	Malcom Island, Mergui- Archipelago, Myanmar.	C. Primrose 08 Feb. 1922.
10634	F	Skin and Skull,	Pagan, Myanmar.	G.C. Shortridge 15 Oct. 1913.
16697	F	Skin and Skull,	Pagan, Myanmar.	G.C. Shortridge 15 Oct. 1913.
16687	F	Skin and Skull,	Tenasserim Town, Tenasserim, Myanmar.	G.C. Shortridge 04 Mar. 1914.
16686	F	Skin and Skull,	Tenasserim Town, Tenasserim, Myanmar.	G.C. Shortridge 04 Mar. 1914.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
20734	M	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 14 Jan. 1980.
20735	F	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 14 Jan. 1980.
25576	M	Skin only,	Saugaltheri, Tirunelveli, Tamil Nadu.	S.S. Saha 29 Aug. 1992.
9910	F	Skin only,	Sirsi, N. Kanara, Karnataka.	G.C. Shortridge 08 Apr. 1912.
9911	M	Skin only,	Sirsi, N. Kanara, Karnataka.	G.C. Shortridge 08 Apr. 1912.
16709	M	Skin only,	Karapara Estate, Cochin, Kerala.	J. Rilley, O. Brien 14 Apr. 1921.
16695	F	Skin and Skull,	Virajpet, S.Coorg, Karnataka.	G.C. Shortridge 20 Jan. 1913.
16694	M	Skin and Skull,	Sirsi, Kanara, Karnataka.	G.C. Shortridge 14 Apr. 1912.
16701	F	Skin and Skull,	Cumbum, Madura, Tamil Nadu.	S.H. Prater 27 May 1917.
16700	M	Skin and Skull,	High Wavy Mountains, Madura, Tamil Nadu.	S.H. Prater 18 May 1917.
16698	F	Skin and Skull,	Kalli, Travancore, Kerala.	R.S. Pillay 13 Jun. 1915.
16704	F	Skin and Skull,	Notichigama, Sri Lanka.	E.W. Mayor 07 May 1914.
16705	M	Skin and Skull,	Tammannewa, Sri Lanka.	E.W. Mayor 08 May 1914.
16706	M	Skin and Skull,	Anapura, Sri Lanka.	E.W. Mayor 17 May 1914.
16703	F	Skin and Skull,	Orugala, Sri Lanka.	E.W. Mayor 16 Jan. 1914.
21281	M	Skin and Skull,	Daripokhri, Balasore, Orissa.	P.K. Das 04 Apr. 1976.
21282	M	Skin and Skull,	Daripokhri, Balasore, Orissa.	P.K. Das 07 Apr. 1976.
21283	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 28 Mar. 1976.
23898	M	Skin and Skull,	Khuntimari, Jalpaiguri, West Bengal.	P.K. Das 21 Feb. 1979.
23716	M	Skin and Skull,	Parmadan, 24-Pgs.(N), West Bengal.	P.K. Das 04 May 1988.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
10633	M	Skin and Skull,	Hasimara, Jalpaiguri, West Bengal.	N.A. Baptista	28 Nov. 1915.
16699	M	Skin and Skull,	Hasimara, Bhutan Duars, West Bengal.	N.A. Baptista	05 Nov. 1915.
16702	M	Skin and Skull,	Margherita, Naga Hills, Nagaland.	H.W. Wells	12 Nov. 1919.
20934	M	Skin and Skull,	Jhajjar Kotli, Udhampur, Jammu & Kashmir.	S. Chakraborty	19 Oct. 1975.
20935	F	Skin and Skull,	Jhajjar Kotli, Udhampur, Jammu & Kashmir.	S. Chakraborty	22 Oct. 1975.
21056	F	Skin and Skull,	Jhajjar Kotli, Udhampur, Jammu & Kashmir.	S. Chakraborty	15 Nov. 1975.
21057	M	Skin and Skull,	Jhajjar Kotli, Udhampur, Jammu & Kashmir.	S. Chakraborty	15 Nov. 1975.
10632	M	Skin and Skull,	Baghownie, Darbhanga, Bihar.	N.A. Baptista	-Sept. 1922.
10631	F	Skin and Skull,	Baghownie, Darbhanga, Bihar.	N.A. Baptista	31 Jul. 1922.
10630	F	Skin only,	Baghownie, Darbhanga, Bihar.	N.A. Baptista	29 Jul. 1922.
16710	F	Skin and Skull,	Baghownie, Darbhanga, Bihar.	N.A. Baptista	29 Jul. 1922.
16708	F	Skin and Skull,	Singar, Gaya, Bihar.	C.A. Crump	28 May 1914.
9909	F	Skin and Skull,	Chanda, Maharashtra.	C.A. Crump	29 Jun. 1912.
16693	M	Skin and Skull,	Danta, Gujarat.	C.A. Crump	06 Jul. 1913.
10870	F	Skin and Skull,	Kodura, Cuddapah, Andhra Pradesh.	N.A. Baptista	22 Aug. 1929.
10871	M	Skin and Skull,	Kodura, Cuddapah, Andhra Pradesh.	N.A. Baptista	26 Aug. 1929.
10872	F	Skin and Skull,	Kodura, Cuddapah, Andhra Pradesh.	N.A. Baptista	22 Aug. 1929.
16713	F	Skin and Skull,	Balapalli, Cuddapah, Andhra Pradesh.	N.A. Baptista	09 Aug. 1929.
16714	M	Skin and Skull,	Malkondapenta, Kurnool, Andhra Pradesh.	N.A. Baptista	13 May 1930.
20837	F	Skin and Skull,	Margao Camp, Goa.	V.C. Agrawal	20 Dec. 1968.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
20213	M	Skin and Skull,	Poinguinim Camp, Goa.	A.K. Mukherjee 23 Mar. 1973.
10635	F	Skin and Skull,	Kim, Manywa, Lower- Chindwin, Myanmar.	G.C. Shortridge 09 Jun. 1914.
16707	F	Skin and Skull,	Kim, Lower Chindwin, Myanmar.	G.C. Shortridge 09 Jun. 1914.
16696	M	Skin and Skull,	Mamsam Falls, N. Shan- State, Myanmar.	G.C. Shortridge 05 Jun. 1913.
16685	F	Skin and Skull,	Bankachon, Tenasserim, Myanmar.	G.C. Shortridge 19 Dec. 1913.
19410	F	Skin and Skull,	Forest Rest House, Amp Tripura.	V.C. Agrawal 20 Jan. 1971.
19411	F	Skin and Skull,	Forest Rest House, Amp, Tripura.	V.C. Agrawal 21 Jan. 1971.
19412	F	Skin and Skull,	Forest Rest House, Teleamura, Tripura.	V.C. Agrawal 29 Jan. 1971.
19413	F	Skin and Skull,	Forest Rest House, Teliamura, Tripura.	V.C. Agrawal 29 Jan. 1971.
19414	F	Skin and Skull,	Forest Rest House, Teliamura, Tripura.	V.C. Agrawal 01 Feb. 1971.
19415	F	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura.	V.C. Agrawal 14 Feb. 1971.
19416	F	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura.	V.C. Agrawal 12 Feb. 1971.
19418	F	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura.	V.C. Agrawal 13 Feb. 1971.
19419	M	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura.	V.C. Agrawal 14 Feb. 1971.
19420	F	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura.	V.C. Agrawal 14 Feb. 1971.
19421	F	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura.	V.C. Agrawal 14 Feb. 1971.
19422	M	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura.	V.C. Agrawal 15 Feb. 1971.
19423	M	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura	V.C. Agrawal 16 Feb. 1971.
19424	F	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura.	V.C. Agrawal 18 Feb. 1971.
19425	F	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura.	V.C. Agrawal 19 Feb. 1971.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
19409	F	Skin and Skull,	Forest Rest House, Ampi, Tripura.	V.C. Agrawal 19 Jan. 1971.
19407	F	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 07 Jan. 1973.
19406	M	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 07 Jan. 1973.
19405	M	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 06 Jan. 1973.
19404	M	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 06 Jan. 1973.
19403	F	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 06 Jan. 1973.
19402	F	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 05 Jan. 1973.
19401	F	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 05 Jan. 1973.
18995	F	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 03 Jan. 1973.
18996	M	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 05 Dec. 1973.
18997	M	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 05 Jan. 1973.
18998	M	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 05 Jan. 1973.
18999	M	Skin and Skull,	Ambassa, Tripura.	V.C. Agrawal 05 Jan. 1973.
18994	M	Skin and Skull,	Chailingta, Manu, Tripura.	V.C. Agrawal 23 Dec. 1972.
18993	M	Skin and Skull,	Chailingta, Manu, Tripura.	V.C. Agrawal 23 Dec. 1972.
18992	F	Skin and Skull,	Chailingta, Manu, Tripura.	V.C. Agrawal 23 Dec. 1972.
18991	M	Skin and Skull,	Chailingta, Manu, Tripura.	V.C. Agrawal 23 Dec. 1972.
18990	F	Skin and Skull,	Chailingta, Manu, Tripura.	V.C. Agrawal 23 Dec. 1972.
18989	M	Skin and Skull,	Chailingta, Manu, Tripura.	V.C. Agrawal 20 Dec. 1972.
18988	F	Skin and Skull,	Chailingta, Manu, Tripura.	V.C. Agrawal 20 Dec. 1972.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
18987	F	Skin and Skull,	Chailingta, Manu, Tripura.	V.C. Agrawal 20 Dec. 1972.
18986	F	Skin and Skull,	Chailingta, Manu, Tripura.	V.C. Agrawal 20 Dec. 1972.
18985	M	Skin and Skull,	Khowaipar, Tripura.	V.C. Agrawal 10 Dec. 1972.
20710	F	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 15 Jan. 1980.
20711	F	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 15 Jan. 1980.
20712	M	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 15 Jan. 1980.
20713	M	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 15 Jan. 1980.
20714	M	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 15 Jan. 1980.
20715	F	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 15 Jan. 1980.
20716	M	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 17 Jan. 1980.
20717	F	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 17 Jan. 1980.
20718	M	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 18 Jan. 1980.
20719	M	Skin and Skull,	Danishpet, Salem, Tamil Nadu.	S. Chakraborty 18 Jan. 1980.
21665	F	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 11 Sep. 1984.
21666	F	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 15 Sep. 1984.
21667	M	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 15 Sep. 1984.
21668	F	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 15 Sep. 1984.
21669	F	Skin and Skull,	Gidini, Medinipur, West Bengal.	P.K. Das 09 Sep. 1984.
21670	F	Skin and Skull,	Gidini, Medinipur, West Bengal.	P.K. Das 09 Sep. 1984.
21671	M	Skin and Skull,	Gidini, Medinipur, West Bengal.	P.K. Das 09 Sep. 1984.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
21672	M	Skin and Skull,	Amlagora (near garhbeta) Medinipur, West Bengal.	P.K. Das 21 Sep. 1984.
21673	F	Skin and Skull,	Amlagora (near garhbeta) Medinipur, West Bengal.	P.K. Das 21 Sep. 1984.
21674	F	Skin and Skull,	Chandra, Medinipur, West Bengal.	P.K. Das 16 Sep. 1984.
21654	M	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 10 Sep. 1984.
21655	F	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 10 Sep. 1984.
21656	M	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 10 Sep. 1984.
21657	F	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 12 Sep. 1984.
21658	M	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 12 Sep. 1984.
21659	F	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 12 Sep. 1984.
21660	F	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 12 Sep. 1984.
21661	F	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 12 Sep. 1984.
21662	F	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 10 Sep. 1984.
21663	F	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 10 Sep. 1984.
21664	M	Skin and Skull,	Balivasa, Medinipur, West Bengal.	P.K. Das 10 Sep. 1984.
12697	M	Skin and Skull,	Nagpur, Maharashtra.	D:College of Science 1951-1954.
12698	M	Skin and Skull,	Nagpur, Maharashtra.	D:College of Science 1951-1954.
23757	F	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23758	F	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23759	F	Skin and Skull,	AHWA, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23760	F	Skin and Skull,	Jhagadiya, Broach, Gujarat.	S. Chakraborty 07 Oct. 1990.
23756	M	Skin and Skull,	Valod, Surat, Gujarat.	S. Chakraborty 11 Oct. 1990.
23755	F	Skin and Skull,	Valod, Surat, Gujarat.	S. Chakraborty 12 Oct. 1990.
23393	F	Skin and Skull,	Waghai, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23394	F	Skin and Skull,	Waghai, The Dangs, Gujarat.	S. Chakraborty 19 Oct. 1990.
23395	M	Skin and Skull,	Jhagadiya, Broach, Gujarat.	S. Chakraborty 06 Oct. 1990.
23396	F	Skin and Skull,	Valod, Surat, Gujarat.	S. Chakraborty 13 Oct. 1990.
18979	M	Skin and Skull,	Abhaya, Belonia, Tripura.	V.C. Agrawal 04 Dec. 1969.
18978	M	Skin and Skull,	Garjee, Udaipur, Tripura.	V.C. Agrawal 26 Nov. 1969.
18964	M	Skin and Skull,	Chavilam Rest House, Agartala, Tripura.	V.C. Agrawal 18 Nov. 1969.
18984	F	Skin and Skull,	Abhaya, Belonia, Tripura.	V.C. Agrawal 05 Dec. 1969.
19408	M	Skin and Skull,	Rest House, Ampii, Tripura.	V.C. Agrawal 19 Jan. 1971.
19417	M	Skin and Skull,	Forest Rest House, Kanchanpur, Tripura.	V.C. Agrawal 13 Feb. 1971.
22114	M	Skin and Skull,	Kulik, Raiganj, West-Dinajpur, West Bengal.	S. Chakraborty 11 Oct. 1987.
22115	M	Skin and Skull,	Kulik, Raiganj, West-Dinajpur, West Bengal.	S. Chakraborty 11 Oct. 1987.
22112	F	Skin and Skull,	West Dinajpur (near Nagar-River), West Bengal.	S. Chakraborty 11 Oct. 1987.
22113	M	Skin and Skull,	Karnajora, West Dinajpur, West Bengal.	S. Chakraborty 11 Oct. 1987.
22120	F	Skin and Skull,	Khestrapur, West Dinajpur, West Bengal.	S. Chakraborty 14 Oct. 1987.
22121	M	Skin and Skull,	West Dinajpur (near Nagar-Gandhar River, West Bengal.	S. Chakraborty 14 Oct. 1987.
22122	M	Skin and Skull,	Bārsoi, West Dinajpur, West Bengal.	S. Chakraborty 14 Oct. 1987.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
19918	M	Skin and Skull,	Santiniketan, Birbhum, West Bengal.	- 28 Mar. 1971.
19919	M	Skin and Skull,	Santiniketan, Birbhum, West Bengal.	- 28 Mar. 1971.
19920	M	Skin and Skull,	Santiniketan, Birbhum, West Bengal.	- 29 Mar. 1971.
18715	M	Skin and Skull,	Darjeeling, West Bengal.	J. Anderson - 1866.
18716	F	Skin and Skull,	Darjeeling, West Bengal.	J. Anderson - 1866.
22116	F	Skin and Skull,	Hemtabad, West Dinajpur, West Bengal.	S. Chakraborty 12 Oct. 1987.
22117	F	Skin and Skull,	Hemtabad, West Dinajpur, West Bengal.	S. Chakraborty 13 Oct. 1987.
22118	F	Skin and Skull,	Hemtabad, West Dinajpur, West Bengal.	S. Chakraborty 14 Oct. 1987.
22119	M	Skin and Skull,	Hemtabad, West Dinajpur, West Bengal.	S. Chakraborty 14 Oct 1987.
22123	F	Skin and Skull,	Kulik, Raiganj, West- Dinajpur, West Bengal.	S. Chakraborty 14 Oct. 1987.
21987	F	Skin and Skull,	Susunia, Bankura, West Bengal.	V.C. Agrawal 07 Jan. 1985.
21711	M	Skin and Skull,	Kamlana Nagar, Lohit, Arunachal Pradesh.	C.B. Srivastava 10 Dec. 1986.
21712	M	Skin and Skull,	Kamlana Nagar, Lohit, Arunachal Pradesh.	C.B. Srivastava 10 Dec. 1986.
21713	M	Skin and Skull,	Kamlana Nagar, Lohit, Arunachal Pradesh.	C.B. Srivastava 10 Dec. 1986.
21714	F	Skin and Skull,	Kamlana Nagar, Lohit, Arunachal Pradesh.	C.B. Srivastava 10 Dec. 1986.
21715	M	Skin and Skull,	Kamlana Nagar, Lohit, Arunachal Pradesh.	C.B. Srivastava 10 Dec. 1986.
21716	F	Skin and Skull,	Kamlana Nagar, Lohit, Arunachal Pradesh.	C.B. Srivastava 10 Dec. 1986.
21717	M	Skin and Skull,	Kamlana Nagar, Lohit, Arunachal Pradesh.	C.B. Srivastava 10 Dec. 1986.
21718	F	Skin and Skull,	Kamlana Nagar, Lohit, Arunachal Pradesh.	C.B. Srivastava 10 Dec. 1986.
23988	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 18 Sep. 1987.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23989	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 18 Sep. 1987.
23990	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 19 Sep. 1987.
23991	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 19 Sep. 1987.
23992	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 19 Sep. 1987.
23993	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 19 Sep. 1987.
23994	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 19 Sep. 1987.
23995	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 19 Sep. 1987.
23996	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 19 Sep. 1987.
23997	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 19 Sep. 1987.
23998	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 19 Sep. 1987.
23999	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.
24000	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.
24001	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.
24002	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.
24003	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.
24004	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.
24005	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.
24006	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.
24007	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.
24008	F	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
24009	M	Skin and Skull,	Satpara, Puri, Orissa.	S. Chattopadhyay 17 Sep. 1987.
23406	F	Skin and Skull,	Harisankar, Bolangir, Orissa.	P.K. Das 03 Aug. 1973.
23407	F	Skin and Skull,	Harisankar, Bolangir, Orissa.	P.K. Das 04 Aug. 1973.
23408	F	Skin and Skull,	Harisankar, Bolangir, Orissa.	P.K. Das 04 Aug. 1973.
23409	F	Skin and Skull,	Harisankar, Bolangir, Orissa.	P.K. Das 04 Aug. 1973.
23410	F	Skin and Skull,	Harisankar, Bolangir, Orissa.	P.K. Das 04 Aug. 1973.
23411	M	Skin and Skull,	Harisankar, Bolangir, Orissa.	P.K. Das 04 Aug. 1973.
23412	M	Skin and Skull,	Harisankar, Bolangir, Orissa.	P.K. Das 04 Aug. 1973.
23419	M	Skin and Skull,	Bhutil, Sambalpur, Orissa.	A.K. Mandal 25 Dec. 1972.
23420	-	Skin and Skull,	Deogarh, Sambalpur, Orissa.	A.K. Mandal 29 Dec. 1972.
23421	M	Skin and Skull,	Berbera, Puri, Orissa.	V.C. Agrawal 25 Jan. 1974.
23422	F	Skin and Skull,	Berbera, Puri, Orissa.	V.C. Agrawal 25 Jan. 1974.
23423	M	Skin and Skull,	Berbera, Puri, Orissa.	V.C. Agrawal 25 Jan. 1974.
23424	F	Skin and Skull,	Berbera, Puri, Orissa.	V.C. Agrawal 31 Jan. 1974.
23413	M	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K. Das 19 Jul. 1973.
23414	M	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K. Das 19 Jul. 1973.
23415	F	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K. Das 21 Jul. 1973.
23416	M	Skin and Skull,	Rairakhal, Sambalpur, Orissa.	P.K. Das 26 Jul. 1973.
23417	M	Skin and Skull,	Rairakhal, Sambalpur, Orissa.	P.K. Das 29 Jul. 1973.
23418	M	Skin and Skull,	Rairakhal, Sambalpur, Orissa.	P.K. Das 30 Jul. 1973.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23578	F	Skin and Skull,	Mohana, Ganjam, Orissa.	A.K. Mandal 16 Jul. 1973.
23579	F	Skin and Skull,	Mohana, Ganjam, Orissa.	A.K. Mandal 16 Jul. 1973.
23585	M	Skin and Skull,	Udaigiri, Cuttack, Orissa.	A.K. Mandal 03 Aug. 1973.
23586	F	Skin and Skull,	Udaigiri, Cuttack, Orissa.	A.K. Mandal 03 Aug. 1973.
23589	F	Skin and Skull,	Biswanathpur, Koraput, Orissa.	A.K. Mandal -
23590	-	Skin and Skull,	Biswanathpur, Koraput, Orissa.	A.K. Mandal -
23596	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 26 Mar. 1976.
23597	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 28 Mar. 1976.
23598	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 31 Mar. 1976.
23599	F	Skin and Skull,	Daripokhari, Balasore, Orissa.	P.K. Das 03 Apr. 1976.
23600	M	Skin and Skull,	Daripokhari, Balasore, Orissa.	P.K. Das 08 Apr. 1976.
23582	M	Skin and Skull,	Konarak, Puri, Orissa.	A.K. Mandal 29 Jul. 1973.
23583	F	Skin and Skull,	Konarak, Puri, Orissa.	A.K. Mandal 29 Jul. 1973.
23587	M	Skin and Skull,	Udaigiri, Cuttack, Orissa.	A.K. Mandal 03 Aug. 1973.
23588	F	Skin and Skull,	Udaigiri, Cuttack, Orissa.	A.K. Mandal 03 Aug. 1973.
23576	F	Skin and Skull,	Chandragiri, Ganjam, Orissa.	A.K. Mandal 15 Jul. 1973.
23577	M	Skin and Skull,	Chandragiri, Ganjam, Orissa.	A.K. Mandal 15 Jul. 1973.
23580	M	Skin and Skull,	Khajuripada, Ganjam, Orissa.	A.K. Mandal 17 Jul. 1973.
23581	M	Skin and Skull,	Pipli, Puri, Orissa.	A.K. Mandal 28 Jul. 1973.
23584	M	Skin and Skull,	Berbera, Cuttack, Orissa.	A.K. Mandal 02 Aug. 1973.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23591	-	Skin and Skull,	Maniguda, Kalahandi, Orissa.	A.K. Mandal - 1973.
23592	-	Skin and Skull,	Raigarah, Koraput, Orissa.	A.K. Mandal - 1973.
23593	M	Skin and Skull,	Bonaigarh, Sundargarh, Orissa.	A.K. Mandal 06 Jan. 1973.
23594	F	Skin and Skull,	Kaling, Phulbani, Orissa.	A.K. Mandal 30 Jun. 1974.
23595	-	Skin and Skull,	Maniguda, Kalahandi, Orissa.	A.K. Mandal -
21559	F	Skin and Skull,	Sitalkuchi, Koch Bihar, West Bengal.	S. Chakraborty 10 Apr. 1986.
21560	M	Skin and Skull,	Sitalkuchi, Koch Bihar, West Bengal.	S. Chakraborty 10 Apr. 1986.
21561	F	Skin and Skull,	Sitalkuchi, Koch Bihar, West Bengal.	S. Chakraborty 10 Apr. 1986.
21562	F	Skin and Skull,	Atiamochor, Koch Bihar, West Bengal.	S. Chakraborty 03 Apr. 1986.
21563	F	Skin and Skull,	Atiamochor, Koch Bihar, West Bengal.	S. Chakraborty 03 Apr. 1986.
21564	F	Skin and Skull,	Atiamochor, Koch Bihar, West Bengal.	S. Chakraborty 03 Apr. 1986.
21565	M	Skin and Skull,	Atiamochor, Koch Bihar, West Bengal.	S. Chakraborty 03 Apr. 1986.
21566	F	Skin and Skull,	Atiamochor, Koch Bihar, West Bengal.	S. Chakraborty 03 Apr. 1986.
21567	F	Skin and Skull,	Atiamochor, Koch Bihar, West Bengal.	S. Chakraborty 03 Apr. 1986.
21568	F	Skin and Skull,	Atiamochor, Koch Bihar, West Bengal.	S. Chakraborty 05 Apr. 1986.
21569	M	Skin and Skull,	Atiamochor, Koch Bihar, West Bengal.	S. Chakraborty 05 Apr. 1986.
21570	F	Skin and Skull,	Atiamochor, Koch Bihar, West Bengal.	S. Chakraborty 05 Apr. 1986.
21571	F	Skin and Skull,	Atiamochor, Koch Bihar, West Bengal.	S. Chakraborty 05 Apr. 1986.
23437	F	Skin and Skull,	Namchick, Tirap, Arunachal Pradesh.	A.K. Mukherjee 03 Apr. 1979.
23438	F	Skin and Skull,	Namchick, Tirap, Arunachal Pradesh.	A.K. Mukherjee 03 Apr. 1979.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23439	F	Skin and Skull,	Namchick, Tirap, Arunachal Pradesh.	A.K. Mukherjee 03 Apr. 1979.
23440	F	Skin and Skull,	Namchick, Tirap, Arunachal Pradesh.	A.K. Mukherjee 03 Apr. 1979.
23441	F	Skin and Skull,	Namchick, Tirap, Arunachal Pradesh.	A.K. Mukherjee 03 Apr. 1979.
23442	F	Skin and Skull,	Namchick, Tirap, Arunachal Pradesh.	A.K. Mukherjee 03 Apr. 1979.
23443	F	Skin and Skull,	Namchick, Tirap, Arunachal Pradesh.	A.K. Mukherjee 03 Apr. 1979.
23444	M	Skin and Skull,	Namchick, Tirap, Arunachal Pradesh.	A.K. Mukherjee 03 Apr. 1979.
23445	M	Skin and Skull,	Namchick, Tirap, Arunachal Pradesh.	A.K. Mukherjee 03 Apr. 1979.
23446	M	Skin and Skull,	Namchick, Tirap, Arunachal Pradesh.	A.K. Mukherjee 03 Apr. 1979.
23429	F	Skin and Skull,	Tarajuli, Subansiri, Arunachal Pradesh.	S.S. Saha 11 Feb. 1978.
23430	F	Skin and Skull,	Tarajuli, Subansiri, Arunachal Pradesh.	A.K. Mukherjee 24 Mar. 1979.
23431	M	Skin and Skull,	Tarajuli, Subansiri, Arunachal Pradesh.	A.K. Mukherjee 24 Mar. 1979.
23432	F	Skin and Skull,	Tarajuli, Subansiri, Arunachal Pradesh.	A.K. Mukherjee 24 Mar. 1979.
23433	M	Skin and Skull,	Tarajuli, Subansiri, Arunachal Pradesh.	A.K. Mukherjee 24 Mar. 1979.
23434	F	Skin and Skull,	Tarajuli, Subansiri, Arunachal Pradesh.	A.K. Mukherjee 24 Mar. 1979.
23435	F	Skin and Skull,	Tarajuli, Subansiri, Arunachal Pradesh.	A.K. Mukherjee 24 Mar. 1979.
23436	F	Skin and Skull,	Tarajuli, Subansiri, Arunachal Pradesh.	A.K. Mukherjee 24 Mar. 1979.
23425	F	Skin and Skull,	Seijosa, Kameng, Arunachal Pradesh.	V.C. Agrawal 18 Jul. 1977.
23426	F	Skin and Skull,	Seijosa, Kameng, Arunachal Pradesh.	V.C. Agrawal 18 Jul. 1977.
23427	F	Skin and Skull,	Seijosa, Kameng, Arunachal Pradesh.	V.C. Agrawal 18 Jul. 1977.
23428	F	Skin and Skull,	Seijosa, Kameng, Arunachal Pradesh.	V.C. Agrawal 19 Jul. 1977.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23604	M	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 20 Jan 1979.
23605	F	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 23 Jan 1979.
23606	M	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 21 Jan 1979.
23607	F	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 22 Jan 1979.
23608	F	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 21 Jan 1979.
23609	F	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 22 Jan 1979.
23610	F	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 23 Jan 1979.
23611	M	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 22 Jan 1979.
23612	F	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 22 Jan 1979.
23613	F	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 23 Jan 1979.
23614	F	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 22 Jan 1979.
23615	M	Skin and Skull,	Kutumswar, Bastar, Madhya Pradesh.	N. Majumdar 22 Jan. 1979.
23601	M	Skin and Skull,	Toynar, Bastar, Madhya Pradesh.	N. Majumdar 26 Jan. 1979.
23602	F	Skin and Skull,	Toynar, Bastar, Madhya Pradesh.	N. Majumdar 26 Jan. 1979.
23603	M	Skin and Skull,	Toynar, Bastar, Madhya Pradesh.	N. Majumdar 26 Jan. 1979.
23616	F	Skin and Skull,	Toynar, Bastar, Madhya Pradesh.	N. Majumdar 26 Jan. 1979.
23617	F	Skin and Skull,	Toynar, Bastar, Madhya Pradesh.	N. Majumdar 26 Jan. 1979.
23618	M	Skin and Skull,	Toynar, Bastar, Madhya Pradesh.	N. Majumdar 26 Jan. 1979.
23619	F	Skin and Skull,	Toynar, Bastar, Madhya Pradesh.	N. Majumdar 26 Jan. 1979.
23620	F	Skin and Skull,	Toynar, Bastar, Madhya Pradesh.	N. Majumdar 26 Jan. 1979.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23522	M	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K.Das 19 Jul. 1973.
23523	M	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K. Das 19 Jul. 1973.
23524	F	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K. Das 19 Jul. 1973.
23525	F	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K. Das 19 Jul. 1973.
23526	F	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K. Das 19 Jul. 1973.
23527	M	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K. Das 21 Jul. 1973.
23528	M	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K. Das 21 Jul. 1973.
23529	F	Skin and Skull,	Badrama, Sambalpur, Orissa.	P.K. Das 21 Jul. 1973.
23519	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 11 Jul. 1973.
23520	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 12 Jul. 1973.
23521	M	Skin and Skull,	Koira, Sundargarh, Orissa.	P.K. Das 12 Jul. 1973.
23530	F	Skin and Skull,	Harisankar, Balangir, Orissa.	P.K. Das 04 Aug. 1973.
23531	F	Skin and Skull,	Harisankar, Balangir, Orissa.	P.K. Das 04 Aug. 1973.
23532	F	Skin and Skull,	Harisankar, Balangir, Orissa.	P.K. Das 04 Aug. 1973.
23533	M	Skin and Skull,	Harisankar, Balangir, Orissa.	P.K. Das 04 Aug. 1973.
23534	M	Skin and Skull,	Harisankar, Balangir, Orissa.	P.K. Das 04 Aug. 1973.
23535	M	Skin and Skull,	Harisankar, Balangir, Orissa.	P.K. Das 04 Aug. 1973.
23536	M	Skin and Skull,	Harisankar, Balangir, Orissa.	P.K. Das 07 Aug. 1973.
23518	M	Skin and Skull,	Rairakhol, Sambalpur, Orissa.	P.K. Das 26 Jul. 1973.
23491	F	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 28 Feb. 1977.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23492	M	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 28 Feb. 1977.
23493	M	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 28 Feb. 1977.
21744	F	Skin and Skull,	Ambari, Jalpaiguri, West Bengal.	R.K. Ghose 22 Mar. 1985.
21745	F	Skin and Skull,	Ambari, Jalpaiguri, West Bengal.	R.K. Ghose 23 Mar. 1985.
21746	M	Skin and Skull,	Ambari, Jalpaiguri, West Bengal.	R.K. Ghose 23 Mar. 1985.
21747	F	Skin and Skull,	Ambari, Jalpaiguri, West Bengal.	R.K. Ghose 23 Mar. 1985.
21748	F	Skin and Skull,	Ambari, Jalpaiguri, West Bengal.	R.K. Ghose 23 Mar. 1985.
21749	M	Skin and Skull,	Ambari, Jalpaiguri, West Bengal.	R.K. Ghose 23 Mar. 1985.
21750	M	Skin and Skull,	Ambari, Jalpaiguri, West Bengal.	R.K. Ghose 23 Mar. 1985.
22038	M	Skin and Skull,	Kachuberia, Sagar, 24-Pgs(S), West Bengal.	S. Chakraborty 09 Dec. 1982.
22039	F	Skin and Skull,	Kachuberia, Sagar, 24-Pgs(S), West Bengal.	S. Chakraborty 09 Dec. 1982.
22040	M	Skin and Skull,	Kachuberia, Sagar, 24-Pgs(S), West Bengal.	S. Chakraborty 09 Dec. 1982.
22041	F	Skin and Skull,	Kachuberia, Sagar, 24-Pgs(S), West Bengal.	S. Chakraborty 09 Dec. 1982.
22042	M	Skin and Skull,	Sulka para, Jalpaiguri, West Bengal.	S. Chakraborty 05 Sep. 1983.
22043	F	Skin and Skull,	Khuntimari, Jalpaiguri, West Bengal.	S. Chakraborty 09 Sep. 1983.
23538	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23539	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23540	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23541	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23542	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23543	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23544	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23545	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23546	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23547	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23548	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23549	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 23 Mar. 1976.
23550	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 26 Mar. 1976.
23551	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 26 Mar. 1976.
23552	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 27 Mar. 1976.
23553	M	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 31 Mar. 1976.
23554	F	Skin and Skull,	Kaptipada, Mayurbhanj, Orissa.	P.K. Das 31 Mar. 1976.
23555	M	Skin and Skull,	Lulang, Mayurbhanj, Orissa.	R.L. Chowdhury 8 Feb. 1975.
23556	F	Skin and Skull,	Lulang, Mayurbhanj, Orissa.	R.L. Chowdhury 18 Feb. 1975.
23557	F	Skin and Skull,	Lulang, Mayurbhanj, Orissa.	R.L. Chowdhury 22 Feb. 1975.
23558	F	Skin and Skull,	Lulang, Mayurbhanj, Orissa.	R.L. Chowdhury 18 Feb. 1975.
23559	F	Skin and Skull,	Lulang, Mayurbhanj, Orissa.	R.L. Chowdhury 19 Feb. 1975.
23560	F	Skin and Skull,	Lulang, Mayurbhanj, Orissa.	R.L. Chowdhury 19 Feb. 1975.
23561	F	Skin and Skull,	Gopalpur, Keonjhar, Orissa.	Anil Kr.Mandal 01 Feb. 1971.
18968	M	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 18 Nov. 1969.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
18969	M	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 19 Nov. 1969.
18970	F	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 19 Nov. 1969.
18971	F	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 19 Nov. 1969.
18972	F	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 19 Nov. 1969.
18973	F	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 19 Nov. 1969.
18974	M	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 20 Nov. 1969.
18975	M	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 20 Nov. 1969.
18976	M	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 20 Nov. 1969.
18977	M	Skin and Skull,	Garjee, Near Udaipur, Tripura.	V.C. Agrawal 26 Nov. 1969.
23511	M	Skin and Skull,	Balimela, Koraput, Orissa.	N. Majumdar 06 Mar. 1977.
23512	M	Skin and Skull,	Balimela, Koraput, Orissa.	N. Majumdar 06 Mar. 1977.
23513	F	Skin and Skull,	Balimela, Koraput, Orissa.	N. Majumdar 06 Mar. 1977.
23514	F	Skin and Skull,	Balimela, Koraput, Orissa.	N. Majumdar 06 Mar. 1977.
23515	M	Skin and Skull,	Balimela, Koraput, Orissa.	N. Majumdar 10 Mar. 1977.
23516	F	Skin and Skull,	Balimela, Koraput, Orissa.	N. Majumdar 08 Mar. 1977.
23517	M	Skin and Skull,	Balimela, Koraput, Orissa.	N. Majumdar 15 Mar. 1977.
23500	M	Skin and Skull,	Madpad, Koraput, Orissa.	N. Majumdar 23 Feb. 1977.
23499	M	Skin and Skull,	Madpad, Koraput, Orissa.	N. Majumdar 23 Feb. 1977.
23501	M	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 27 Feb. 1977.
23502	M	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 27 Feb. 1977.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23503	F	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 27 Feb. 1977.
23504	F	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 27 Feb. 1977.
23505	F	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 27 Feb. 1977.
23506	M	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 01 Mar. 1977.
23507	M	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 01 Mar. 1977.
23508	M	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 01 Mar. 1977.
23509	F	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 02 Mar. 1977.
23510	F	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 02 Mar. 1977.
18713	F	Skin and Skull,	Bhamo (24.16N,97.17E), Myanmar.	J. Anderson - 1874.
18714	M	Skin and Skull,	Cherrapunjee, United-K & J Hills, Meghalaya.	J.H. Bourne - 1872.
10296	M	Skin and Skull,	Kwangsnu, Northern Myanmar.	J. Coggin-bravy - Jan 1915.
24155	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24156	F	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24157	F	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24158	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24159	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24143	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24144	F	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24145	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24147	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
24148	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24149	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24150	F	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24151	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24152	F	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24153	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
24154	M	Skin and Skull,	Raj College, Jhargram, Medinipur, West Bengal.	A.K. Mukherjee 05 Oct. 1979.
18980	F	Skin and Skull,	Abhoya, Belonia, Tripura.	V.C. Agrawal 04 Dec. 1969.
18981	M	Skin and Skull,	Abhoya, Belonia, Tripura.	V.C. Agrawal 05 Dec. 1969.
18982	M	Skin and Skull,	Abhoya, Belonia, Tripura.	V.C. Agrawal 05 Dec. 1969.
18983	F	Skin and Skull,	Abhoya, Belonia, Tripura.	V.C. Agrawal 05 Dec. 1969.
18956	F	Skin and Skull,	Dak Bunglow, Agartala, Tripura.	V.C. Agrawal 13 Nov. 1969.
18957	M	Skin and Skull,	Dak Bunglow, Agartala, Tripura.	V.C. Agrawal 13 Nov. 1969.
18958	F	Skin and Skull,	Dak Bunglow, Agartala, Tripura.	V.C. Agrawal 13 Nov. 1969.
18959	F	Skin and Skull,	Dak Bunglow, Agartala, Tripura.	V.C. Agrawal 13 Nov. 1969.
18960	M	Skin and Skull,	Dak Bunglow, Agartala, Tripura.	V.C. Agrawal 13 Nov. 1969.
18961	F	Skin and Skull,	Rest House, Charilam, Agartala, Tripura.	V.C. Agrawal 18 Nov. 1969.
18962	F	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 18 Nov. 1969.
18963	F	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 18 Nov. 1969.
18965	F	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 18 Nov. 1969.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
18966	F	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 18 Nov. 1969.
18967	M	Skin and Skull,	R.H. of Charilam, Tripura.	V.C. Agrawal 18 Nov. 1969.
23562	F	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati - Feb. 1975
23563	M	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati - Feb. 1975.
23564	M	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23565	-	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23566	F	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23567	F	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23568	M	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23569	M	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23570	F	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23571	F	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23572	M	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23573	F	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23574	-	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23575	F	Skin and Skull,	Varanasi, Uttar Pradesh.	D:S. Mukopati Feb. 1975.
23494	M	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 02 Mar. 1977.
23495	F	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 02 Mar. 1977.
23498	F	Skin and Skull,	Govindapalle, Koraput, Orissa.	N. Majumdar 28 Feb. 1977.
23487	M	Skin and Skull,	Madpad (near Jeypore) Koraput, Orissa	N. Majumdar 21 Feb. 1977.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
23488	F	Skin and Skull,	Madpad (near Jeypore) Koraput, Orissa	N. Majumdar	21 Feb. 1977.
23489	F	Skin and Skull,	Madpad (near Jeypore) Koraput, Orissa	N. Majumdar	22 Feb. 1977.
23490	F	Skin and Skull,	Madpad (near Jeypore) Koraput, Orissa	N. Majumdar	23 Feb. 1977.
23496	M	Skin and Skull,	Chitrakonda, Koraput, Orissa.	N. Majumdar	15 Mar. 1977.
23497	-	Skin and Skull,	Chitrakonda, Koraput, Orissa.	N. Majumdar	17 Mar. 1977.
21733	F	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	18 Mar. 1985.
21734	F	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	19 Mar. 1985.
21735	F	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	19 Mar. 1985.
21736	F	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	19 Mar. 1985.
21737	M	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	19 Mar. 1985.
21738	F	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	19 Mar. 1985.
21739	M	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	19 Mar. 1985.
21740	M	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	19 Mar. 1985.
21741	F	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	19 Mar. 1985.
21742	F	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	19 Mar. 1985.
21743	M	Skin and Skull,	Kumani, Darjeeling, West Bengal.	R.K. Ghose	20 Mar. 1985.
18710	F	Skin and Skull,	Kolkata, West Bengal.	-	-
12685	M	Skin only,	Kolkata, West Bengal.	Beni Prashad	16 Dec. 1939.

*Measurements :**External :*

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
11091	76.8	13.4	20.4	30.1	17.1
11094	71.9	-	15.7	28.5	15.5
22285	72.3	16.8	19.7	29.5	17.4
22284	71.3	14.2	19.0	29.8	16.6
22249	71.7	-	20.0	26.7	16.0
22241	71.0	12.2	20.3	26.6	14.6
22240	76.7	17.8	22.6	30.0	16.1
22242	71.8	15.3	19.5	27.2	14.5
22243	69.5	15.8	22.0	25.6	15.8
22244	70.5	14.1	20.7	26.9	15.2
22246	71.2	13.6	21.5	28.9	16.5
22239	71.5	14.5	18.6	27.6	15.7
22292	72.9	-	20.6	26.9	16.8
22293	69.2	14.0	18.8	28.3	15.8
22295	73.0	16.0	20.9	28.0	15.0
11092	72.2	-	17.2	29.0	16.0
12345	64.9	-	14.9	25.3	15.5
11055	78.0	-	19.4	30.6	16.3
11051	73.6	14.0	15.6	28.6	16.7
11052	71.3	-	16.8	25.4	16.0
11050	77.4	14.0	17.3	28.0	17.3
11080	72.9	15.4	26.0	29.2	18.8
11079	70.4	15.5	21.0	26.0	15.5
11078	77.4	16.0	20.0	31.0	15.5
11095	77.8	14.7	16.4	29.5	16.1
22146	72.0	-	19.7	28.1	15.1
22145	70.1	-	21.0	27.5	16.7
22147	71.2	-	20.3	26.7	17.5
22157	68.7	-	17.4	28.0	16.3
22152	73.0	-	17.5	27.0	17.8
22144	67.4	-	17.5	26.3	16.0
22247	74.8	19.1	20.6	28.6	16.6
22245	76.1	13.2	20.5	31.4	16.3
22251	71.8	13.5	20.1	27.7	16.0
22250	69.5	11.3	19.1	27.6	15.6
22248	72.5	15.0	20.2	27.5	17.5
25609	72.5	8.0	22.4	27.6	15.8
25610	67.1	6.9	20.8	28.6	15.7
25611	75.3	7.2	22.4	28.2	17.3
22154	74.3	-	18.0	28.7	18.2

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
22153	74.9	-	17.3	29.1	15.5
22155	72.3	-	15.5	28.3	17.0
22151	73.5	-	20.2	27.5	18.3
22150	72.7	-	20.2	28.8	17.1
22148	73.1	-	21.0	29.5	17.7
22149	74.6	-	20.0	28.9	17.0
19663	71.6	15.4	21.0	28.1	15.2
19664	71.7	16.1	18.5	30.2	16.2
19665	72.2	15.1	20.6	30.1	16.5
19666	74.0	14.3	20.4	29.6	16.4
25602	76.0	-	22.1	29.8	18.3
25603	68.7	-	22.3	27.4	15.4
25604	71.0	-	20.0	27.0	18.0
25605	77.0	-	23.0	33.0	18.0
25606	70.8	-	20.0	29.8	15.0
25607	72.8	-	21.3	28.0	15.0
25608	71.2	7.4	20.4	27.3	15.2
19575	71.3	13.9	17.0	28.4	13.6
19576	69.5	-	15.7	24.5	14.9
19577	71.0	-	20.5	27.0	14.2
19573	55.6	11.5	20.2	24.6	14.5
19578	68.0	-	21.0	26.0	13.8
19579	70.9	13.2	21.2	27.5	17.2
19580	67.5	-	21.0	26.0	12.0
25600	74.0	15.0	20.3	29.7	16.0
25601	72.5	12.5	23.0	29.8	10.0
23448	69.2	12.7	14.1	24.2	16.4
23461	75.3	13.2	17.3	30.5	11.2
23462	71.0	-	16.5	28.3	15.2
23463	70.3	15.1	15.7	27.6	15.8
23452	68.2	-	16.7	25.4	13.8
23450	69.0	-	14.5	26.5	14.6
23468	66.8	-	14.4	27.3	14.6
23467	69.7	-	13.5	26.2	13.8
23458	68.0	11.7	15.3	25.0	13.2
23459	71.4	-	14.9	26.0	15.7
23456	67.8	-	-	27.2	17.5
23453	68.1	-	17.4	25.8	12.8
11054	74.2	18.6	18.7	29.6	16.0
11056	74.3	18.7	18.5	29.8	17.8
11057	77.2	17.5	18.3	30.8	16.3

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
8096	73.0	14.2	18.6	29.0	13.5
8095	76.5	14.8	18.0	28.2	14.5
25590	77.0	10.5	21.0	29.1	15.7
25591	73.4	11.5	18.0	26.8	13.5
25580	68.5	-	19.0	28.7	15.0
25584	73.8	15.0	20.4	27.6	15.6
25578	73.7	16.9	19.8	27.6	15.5
25581	76.5	15.1	19.0	30.1	15.9
25583	69.8	12.9	19.5	26.4	15.5
25588	75.9	12.6	19.2	29.3	15.9
25593	71.0	14.0	20.5	26.0	14.2
25577	70.5	15.6	18.6	27.0	16.0
25579	77.0	15.9	19.4	29.5	15.7
25589	77.7	17.9	20.1	28.6	17.0
25587	75.0	14.0	18.5	28.6	15.7
25585	69.8	13.4	18.9	26.0	15.6
25582	68.3	13.7	15.8	25.9	15.7
25592	67.5	12.3	17.6	24.0	14.5
25586	75.6	15.0	18.7	28.4	15.7
22077	70.0	15.0	19.5	28.8	15.0
22080	68.6	12.5	20.0	27.0	14.6
22078	71.0	14.0	19.0	27.0	13.6
22074	65.0	11.6	21.5	25.0	16.7
22079	61.1	10.5	19.4	26.4	13.2
22070	69.5	12.0	19.0	27.6	13.4
22076	64.5	13.7	19.0	23.0	13.9
22082	66.4	12.5	17.5	27.1	15.1
22075	66.9	13.0	19.4	25.0	17.2
22083	68.6	12.5	18.2	21.5	16.6
22081	68.0	13.7	17.8	28.5	15.7
22073	68.6	12.5	19.0	25.6	15.2
22086	68.2	13.6	19.7	26.5	15.0
22085	72.6	13.0	20.0	28.7	14.6
22071	66.3	12.7	20.4	27.1	13.6
22069	67.0	14.0	21.0	25.7	15.0
22072	63.0	13.0	18.3	23.8	14.6
22068	66.5	15.0	22.0	24.1	15.3
22087	72.2	11.7	21.9	26.4	15.5
22093	68.5	12.0	28.0	28.2	15.5
22088	66.5	14.5	23.0	26.6	15.0
22094	68.3	-	17.8	27.1	15.6

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
22090	68.0	14.6	20.0	26.5	15.5
22092	67.6	13.5	18.0	27.7	11.8
22089	70.0	14.0	22.9	28.4	15.8
22091	67.6	13.2	12.5	28.5	15.7
23765	72.0	-	20.4	30.0	17.5
23761	77.0	-	20.8	31.0	17.2
23762	68.5	-	19.7	27.7	18.0
23763	73.6	-	20.5	29.6	16.6
23766	68.7	-	18.1	26.0	17.5
23767	80.0	-	22.5	31.0	19.0
23768	74.4	-	19.8	30.4	16.5
23771	75.6	-	21.0	29.7	19.6
23769	78.8	-	21.0	31.5	18.1
23770	72.0	-	21.0	29.3	18.0
23754	76.2	-	20.0	31.4	14.5
23751	72.0	13.2	20.0	27.0	18.5
23752	62.6	14.7	16.5	21.6	15.3
23739	78.5	14.0	20.7	30.5	16.0
23740	71.0	14.6	20.5	28.3	16.9
23772	73.2	12.9	21.9	31.5	15.7
23775	74.5	13.0	20.5	29.0	16.3
23773	72.5	-	19.5	28.2	20.3
23774	71.5	-	21.6	28.5	17.1
23776	76.7	-	21.3	29.5	16.8
23764	72.7	-	22.5	30.8	19.3
23742	70.7	12.8	18.0	29.5	17.0
23747	72.5	14.2	21.0	29.0	17.0
23741	70.2	14.8	18.1	26.3	17.3
23748	77.0	14.2	20.6	31.0	19.7
23743	74.4	14.0	20.3	29.7	17.7
23746	72.5	13.3	20.3	25.6	19.1
23745	68.5	13.7	20.0	30.0	16.4
23744	75.0	14.0	19.3	31.0	20.0
23750	76.5	14.2	21.0	27.9	20.5
23749	77.4	13.0	17.7	31.8	17.0
23753	78.0	14.4	21.8	29.5	18.2
16711	46.4	8.0	12.0	18.3	14.2
16692	70.6	13.0	22.5	30.0	17.2
16712	71.2	15.0	20.0	30.0	16.3
16691	70.0	9.0	21.0	30.0	19.0
16689	71.0	-	19.0	28.1	19.8

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
10628	71.0	-	18.0	28.8	16.8
16690	67.0	-	19.0	26.6	16.7
10629	72.0	-	19.0	30.0	18.2
10634	70.7	12.0	21.0	27.1	16.4
16697	74.0	9.5	22.0	30.6	19.2
16687	70.6	12.5	20.0	28.7	16.0
16686	71.0	11.0	20.5	28.5	17.5
20734	70.0	11.0	20.0	28.9	16.0
20735	70.0	11.0	18.0	28.7	15.9
25576	66.0	7.0	17.0	25.4	16.5
9910	63.2	12.0	19.0	24.0	17.2
9911	52.0	8.5	15.5	20.0	15.0
16709	59.0	-	14.3	19.7	14.3
16695	63.5	7.0	17.0	22.9	16.5
16694	56.4	9.0	16.0	20.3	14.2
16701	63.7	17.0	18.0	23.9	16.0
16700	61.3	11.0	17.0	23.6	15.2
16698	67.8	15.0	21.0	28.3	16.3
16704	65.4	8.5	20.0	27.6	16.3
16706	60.0	13.0	16.0	23.0	18.0
16703	64.4	8.0	20.0	26.1	15.6
16705	51.0	6.0	16.0	19.7	15.4
21281	77.3	10.0	22.0	29.2	17.8
21282	71.0	8.5	21.3	28.0	15.0
21283	73.1	11.0	21.0	27.0	17.8
23898	66.2	8.4	21.4	26.5	17.3
23716	70.0	14.5	24.0	27.5	18.6
16702	71.0	15.0	20.0	27.0	16.5
20934	64.0	-	18.0	22.8	17.2
21056	72.0	-	20.0	24.0	18.0
20935	72.0	-	20.0	25.6	17.9
21057	68.0	10.0	19.0	24.1	16.5
10632	76.5	17.0	23.0	31.2	19.0
10630	76.9	19.0	24.0	-	-
10631	-	19.0	24.0	-	-
16710	-	19.0	22.0	-	-
16708	72.0	15.0	24.0	26.8	18.8
9909	70.2	13.0	20.0	28.9	16.2
16693	74.4	12.0	19.0	28.2	18.2
10870	65.4	12.0	21.0	-	-
10872	65.0	12.0	20.0	23.6	15.3

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
16713	68.7	15.0	20.0	26.3	15.5
16714	-	10.0	20.0	25.0	16.1
10871	69.0	12.0	21.0	26.2	16.0
20837	76.0	16.5	20.0	31.0	17.1
20213	68.0	9.0	18.0	26.0	16.7
10635	71.4	13.0	22.5	28.3	17.0
16707	72.0	11.5	22.0	27.0	17.3
16696	66.3	7.0	18.0	25.0	16.8
16685	72.6	12.0	20.0	27.1	18.4
19410	75.0	-	22.0	28.5	16.5
19411	72.0	-	21.0	28.0	15.0
19412	72.0	-	22.0	27.0	15.1
19413	70.0	-	21.0	27.0	15.8
19414	70.4	-	19.7	28.0	16.2
19415	66.2	-	21.5	25.0	17.5
19416	64.2	-	19.0	24.1	15.1
19418	67.2	-	18.7	24.7	16.6
19419	67.3	-	20.3	26.7	16.7
19420	64.5	-	18.4	25.5	13.2
19421	66.9	-	19.5	25.5	16.8
19422	63.2	-	18.7	25.4	15.0
19423	62.7	-	17.8	24.2	17.4
19424	68.5	-	21.0	26.5	16.4
19425	68.0	-	22.5	26.5	15.8
19409	77.5	-	22.5	31.0	16.7
19401	69.0	-	20.0	26.0	17.4
19402	68.0	-	19.5	26.0	13.2
19403	71.0	-	20.0	27.0	14.3
19404	66.0	-	19.5	24.5	14.3
19406	64.5	-	14.4	21.6	14.0
19407	65.9	-	16.9	19.0	14.8
18995	66.5	-	18.5	23.0	15.5
18996	67.5	-	20.5	24.0	15.5
18997	68.0	-	22.5	26.0	15.5
18998	67.0	-	19.0	25.0	13.1
19405	62.3	-	15.0	20.4	15.0
18986	72.0	-	19.5	26.5	15.1
18987	68.0	-	19.0	26.0	13.5
18988	69.5	-	22.5	25.0	15.7
18989	69.0	-	22.5	27.0	14.7
18990	71.0	-	22.0	27.0	15.0

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
18991	60.0	-	19.0	23.0	14.8
18992	72.0	-	23.0	27.5	16.6
18993	62.0	-	19.8	24.0	15.2
18994	61.0	-	17.0	21.0	15.8
18985	63.2	-	15.1	24.1	14.9
18999	70.0	-	18.0	26.0	15.0
20710	68.6	-	16.5	25.4	15.9
20711	67.6	-	17.0	27.5	17.5
20712	69.0	-	16.2	27.2	15.0
20713	70.8	-	17.5	26.6	17.0
20714	68.3	-	18.5	26.0	16.2
20715	71.7	-	18.2	26.3	16.8
20716	67.1	-	16.5	26.0	15.5
20717	70.6	-	16.8	26.5	15.2
20718	68.6	-	18.3	25.6	14.2
20719	66.6	-	16.5	25.5	14.1
21665	75.5	-	23.0	29.3	17.5
21666	73.2	-	22.8	28.0	19.0
21667	75.0	-	21.0	30.5	15.3
21668	70.9	-	20.8	28.4	16.7
21669	70.5	-	24.7	27.7	18.4
21670	70.2	-	25.3	27.9	16.2
21671	67.7	-	22.1	25.7	16.5
21672	74.7	-	19.0	29.8	18.3
21673	75.1	-	18.2	29.5	16.3
21674	72.6	-	23.5	27.5	17.4
21654	72.2	-	21.5	29.8	16.8
21661	65.7	14.7	16.5	25.1	15.6
21658	71.8	-	24.0	28.2	16.5
21660	74.0	-	23.5	29.0	18.2
21657	75.5	-	23.1	29.2	18.5
21659	74.4	-	23.8	29.2	17.5
21655	73.7	-	23.3	29.2	17.0
21664	71.5	-	21.5	27.0	16.5
21663	69.7	-	21.5	27.8	15.7
21662	74.3	-	22.8	28.2	16.7
21656	72.4	-	23.8	29.0	15.0
12697	75.3	17.1	19.1	30.5	18.2
12698	74.0	14.1	17.9	25.9	17.8
23757	71.5	-	19.3	28.5	17.7
23758	75.0	-	20.0	30.2	18.3

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
23759	72.9	-	20.0	29.4	19.4
23756	68.1	-	18.9	25.4	16.2
23755	66.0	-	18.5	25.0	17.0
23396	65.1	-	16.8	25.6	17.3
23760	74.5	-	21.3	30.0	17.7
23395	72.0	-	17.0	31.0	20.5
23393	76.2	-	20.2	32.4	19.6
23394	67.8	-	15.1	23.5	17.2
18979	73.0	-	20.0	28.5	16.0
18984	68.2	12.9	15.7	25.2	15.8
19408	72.0	-	21.0	28.5	16.5
18964	78.0	-	21.0	30.0	14.5
19417	68.5	-	18.8	27.2	16.3
18978	69.8	-	16.5	26.3	17.3
22114	70.0	-	20.4	25.1	16.6
22115	72.8	-	21.6	27.2	14.5
22112	74.5	-	21.6	27.2	14.5
22121	71.7	-	18.8	27.2	14.8
22120	72.0	-	21.8	29.9	16.7
22113	70.1	-	21.0	25.8	17.2
22122	66.6	-	18.0	25.0	15.6
19918	65.0	-	18.0	24.1	13.7
19919	62.8	-	18.7	24.1	13.7
19920	70.2	-	19.0	27.5	18.3
18715	76.4	-	22.7	30.4	19.2
18716	74.9	-	19.3	29.9	20.0
21987	70.4	-	18.1	24.7	15.8
22116	70.0	-	19.6	24.9	16.1
22117	71.6	-	22.0	27.3	13.1
22118	74.3	-	20.8	27.0	15.0
22119	72.7	-	18.7	26.3	13.7
22123	71.0	-	22.5	28.0	17.2
21711	67.5	7.0	20.0	24.3	15.2
21712	69.2	4.0	23.0	25.6	14.4
21713	71.0	7.0	20.0	24.2	15.7
21714	65.1	-	22.0	23.5	16.2
21715	71.0	8.0	20.0	26.2	13.8
21716	62.4	-	20.0	24.7	16.3
21717	65.5	-	19.1	23.1	14.1
21718	67.6	-	20.3	24.3	16.1
23604	69.2	-	17.2	25.4	16.6

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
23605	70.2	-	19.0	27.6	15.3
23606	69.3	-	18.9	25.8	14.5
23607	74.1	-	18.8	29.6	16.5
23608	70.9	-	19.1	27.4	16.6
23609	73.5	-	18.8	30.6	17.6
23610	69.3	-	18.7	26.7	17.5
23611	73.4	-	18.4	28.8	16.8
23612	69.0	-	17.9	28.3	16.3
23613	74.5	-	20.0	28.5	17.0
23614	68.0	-	17.5	25.0	16.5
23615	72.5	-	19.2	29.5	16.4
23576	70.0	-	17.1	28.7	15.6
23577	67.4	-	18.8	26.7	16.8
23591	67.7	-	18.1	25.8	14.8
23581	69.4	-	17.1	26.4	14.3
23580	68.0	-	17.1	24.7	15.0
23584	68.1	-	17.2	24.6	15.0
23592	69.6	-	17.5	24.6	15.6
23593	72.2	-	16.7	27.7	17.2
23594	72.0	-	17.6	27.0	16.1
23595	70.2	-	17.5	26.5	15.6
23423	67.7	-	18.7	26.8	16.7
23424	66.2	-	16.5	25.7	15.6
23416	72.2	11.5	20.5	28.2	17.2
23417	69.2	13.0	21.0	27.7	17.4
23418	71.7	15.2	23.3	28.3	17.0
23413	71.9	12.8	22.6	28.5	17.2
23414	74.3	11.8	24.2	34.5	15.5
23415	70.3	11.5	20.7	25.8	15.0
23585	69.9	-	16.9	27.3	14.2
23586	70.0	-	16.9	27.1	16.5
23578	74.0	-	17.3	28.6	16.7
23579	69.7	-	16.5	28.0	14.2
23429	72.0	8.0	22.0	27.0	16.8
23430	71.5	-	21.7	26.8	16.5
23431	65.9	-	17.1	25.2	15.7
23432	69.4	-	16.2	26.4	16.2
23433	70.2	-	18.7	26.2	16.1
23434	69.7	-	17.8	27.5	16.5
23435	67.2	-	16.8	26.5	15.9
23436	66.1	-	15.9	25.7	15.5

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
23425	64.2	-	18.0	25.1	15.1
23426	68.5	-	17.0	25.4	15.5
23427	68.7	-	19.0	25.7	15.6
23428	67.2	-	22.0	25.1	14.2
23406	69.2	15.0	20.2	27.5	18.1
23407	71.2	11.0	20.0	27.6	18.0
23408	72.0	14.3	23.0	29.5	18.2
23409	74.5	17.7	-	29.2	18.0
23410	71.2	12.0	21.0	28.0	17.2
23411	71.0	10.0	22.5	26.9	17.9
23412	74.2	17.7	22.0	28.6	13.0
23419	71.7	-	-	30.4	16.0
23420	72.2	-	-	29.4	14.3
23421	66.5	-	16.6	24.9	16.5
23422	65.6	-	16.8	25.8	13.4
24000	70.4	-	18.7	25.1	16.7
24001	63.3	-	18.8	24.0	16.7
24002	68.0	-	19.7	26.8	16.6
24003	70.8	-	21.5	27.2	17.5
24004	67.0	-	18.6	26.4	15.1
24005	68.6	-	19.0	26.8	16.0
24006	70.2	-	20.0	25.5	17.0
24007	66.6	-	18.5	24.6	16.8
24008	67.1	-	18.0	24.7	16.0
24009	66.6	-	18.5	23.8	15.5
23589	70.7	-	15.2	27.5	16.7
23590	69.0	-	16.0	25.6	15.2
23596	72.1	15.0	22.9	28.2	18.0
23597	73.4	12.7	21.7	28.9	17.6
23598	70.2	16.5	19.5	28.3	16.8
23582	65.9	16.5	19.3	27.9	16.5
23583	70.8	-	18.5	26.3	15.0
23587	68.7	-	19.3	26.9	15.2
23588	69.4	-	17.7	26.5	16.1
23599	73.4	11.5	22.0	28.5	17.8
23600	72.0	10.0	21.6	27.0	15.7
21559	68.4	14.1	19.7	24.3	17.2
21560	68.3	-	19.4	25.1	16.0
21561	69.8	16.1	19.5	25.5	17.3
21562	70.4	14.5	18.6	26.1	16.4
21563	69.0	15.0	19.2	25.5	16.5

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
21564	71.4	15.1	19.0	27.5	16.7
21565	65.2	-	15.5	24.5	15.6
21566	69.2	-	18.7	26.2	15.4
21567	71.8	-	17.8	27.0	16.1
21568	69.6	14.5	17.5	26.2	15.7
21569	69.7	-	17.1	26.7	16.1
23988	64.8	-	19.3	24.5	16.0
23989	71.5	-	21.8	28.6	19.3
23990	62.5	-	19.2	24.2	13.6
23991	62.0	-	19.2	25.5	17.2
23992	64.1	-	20.0	25.2	17.1
23993	64.8	-	20.3	25.0	18.2
23994	66.4	-	19.0	25.4	16.1
23995	69.1	-	19.1	24.4	16.5
23996	67.7	-	21.1	26.0	17.3
23997	70.8	-	19.7	26.7	17.8
23998	70.2	-	21.4	27.3	16.7
23999	70.2	-	19.9	25.5	17.5
23437	70.7	-	19.4	26.8	15.8
23438	67.4	-	20.6	27.2	16.2
23439	71.8	-	19.7	27.6	14.1
23440	66.9	-	20.8	26.9	15.2
23441	70.1	-	20.5	27.3	15.3
23442	69.4	-	19.4	26.8	14.7
23443	73.3	-	20.9	27.0	15.6
23444	65.9	-	20.2	25.0	15.0
22445	67.2	-	19.7	26.0	16.1
23446	71.1	-	20.1	27.2	16.5
21570	67.1	-	18.5	27.2	16.4
21571	67.5	-	16.3	27.5	15.7
23601	75.6	-	18.3	32.7	17.5
23602	64.2	-	18.7	29.3	14.6
23603	72.4	-	19.7	28.7	17.4
23616	75.0	-	19.8	31.6	16.8
23617	60.0	-	17.3	26.5	16.0
23618	71.5	-	18.6	28.6	14.4
23619	72.4	-	17.3	27.8	15.7
23620	78.8	-	19.4	32.5	16.7
23522	75.7	13.0	21.5	34.5	17.5
23523	73.2	13.1	21.8	29.7	16.4
23524	69.6	14.7	22.5	26.8	17.7

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
23525	74.2	-	24.5	28.9	17.6
23526	69.6	12.8	21.4	27.6	16.8
23527	76.0	11.5	22.9	28.5	17.2
23528	70.2	12.8	20.0	26.0	19.7
23529	71.8	13.2	21.7	28.0	16.0
23519	69.1	16.9	22.3	27.2	13.2
23520	74.0	12.7	22.8	28.2	15.8
23521	67.0	12.3	22.0	26.2	14.5
23530	70.7	10.4	24.0	28.9	18.2
23531	69.8	7.5	23.3	26.0	16.8
23532	72.7	12.5	23.3	28.1	14.0
23533	72.0	10.0	24.0	28.4	17.0
23534	73.0	13.0	25.0	28.2	17.4
23535	70.5	12.6	24.5	28.2	17.0
23536	72.0	13.0	20.8	26.0	15.7
23518	70.5	9.8	18.5	28.1	17.5
23491	68.0	-	22.1	27.8	16.0
23492	69.7	-	19.5	27.3	16.9
23493	69.8	-	19.7	-	-
21744	72.0	14.0	22.0	28.3	19.5
21745	68.0	15.0	19.0	26.8	17.1
21746	72.0	18.0	21.0	28.0	17.6
21747	72.0	16.0	21.0	27.7	17.1
21748	71.0	16.0	20.0	26.8	19.3
21749	71.0	16.0	21.0	26.5	15.5
21750	68.0	16.0	20.0	26.6	17.3
22038	72.5	-	21.0	31.2	14.8
22039	71.6	-	19.5	26.0	15.5
22040	70.0	-	18.5	28.8	16.5
22041	73.8	-	21.3	28.5	16.9
22042	59.8	-	15.2	20.2	13.1
22043	62.9	-	16.0	21.1	13.5
23538	70.0	8.0	20.8	27.5	16.0
23539	68.5	9.8	20.0	25.5	14.5
23540	68.0	10.0	19.5	26.0	16.0
23541	72.7	10.0	22.5	28.7	16.0
23542	69.5	9.0	20.2	28.3	17.3
23543	74.5	14.5	21.5	29.0	16.5
23544	66.0	10.5	20.3	26.5	16.0
23545	70.0	8.0	20.8	28.8	17.0
23546	73.2	13.0	20.7	29.7	17.5

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
23547	70.2	9.7	18.0	26.5	16.0
23548	70.5	12.0	21.0	26.5	14.5
23549	72.1	-	21.2	28.3	17.2
23550	71.5	15.0	21.5	29.7	16.7
23551	72.5	13.0	23.2	28.0	17.2
23552	40.6	8.9	18.3	17.4	12.5
23553	73.1	9.5	20.3	26.8	13.8
23554	72.7	-	20.2	27.3	15.7
23555	64.3	-	17.5	25.0	12.5
23556	65.4	-	17.8	26.1	13.6
23557	70.1	-	18.6	26.7	16.6
23558	65.1	-	18.2	24.5	18.5
23559	68.4	-	18.5	26.0	17.9
23560	68.3	-	18.1	26.1	17.0
23561	68.7	-	18.2	26.3	16.5
18968	71.0	-	21.0	28.0	14.5
18969	64.8	-	19.4	23.7	15.6
18970	70.2	-	20.7	27.8	15.5
18971	62.2	-	16.4	23.3	14.2
18972	61.5	-	16.3	23.1	14.0
18973	61.0	-	16.0	23.0	13.9
18974	63.4	-	16.2	23.5	14.0
18975	68.3	-	19.7	24.0	15.5
18976	71.0	-	21.1	28.5	15.6
18977	64.1	-	16.5	23.8	16.0
23500	67.3	-	19.3	24.0	17.3
23499	66.3	-	19.8	25.2	15.2
23501	70.4	-	19.1	28.1	17.8
23502	69.2	-	20.0	27.6	17.3
23503	69.7	-	17.8	23.5	17.2
23504	70.4	-	17.0	28.4	15.1
23505	67.9	-	18.3	26.7	18.3
23506	71.8	-	16.5	29.5	16.7
23507	74.2	-	17.2	29.2	17.0
23508	72.7	-	17.5	29.2	15.5
23509	69.6	-	19.2	29.2	15.0
23510	70.0	-	19.0	27.0	15.6
23511	67.8	-	19.3	25.4	16.1
23512	67.7	-	18.9	25.9	14.2
23513	67.3	-	17.4	27.5	15.5
23514	72.4	-	19.5	26.7	16.1

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
23515	67.7	-	17.7	27.2	15.2
23516	65.4	-	17.3	25.9	15.2
23517	70.0	-	20.5	26.9	14.5
18713	73.5	-	23.1	29.2	18.0
18714	68.1	-	19.8	25.1	16.5
10296	74.4	-	21.4	27.8	15.6
24155	67.6	-	20.3	26.1	16.1
24156	70.8	-	23.2	27.8	16.7
24157	64.7	-	20.5	25.5	16.9
24158	69.3	-	21.8	27.2	16.7
24159	69.7	-	22.6	27.4	16.0
24143	70.5	-	22.6	27.5	17.0
24144	69.7	-	22.8	27.7	17.5
24145	69.5	-	21.3	26.4	17.3
24147	68.3	-	20.1	26.5	18.5
24148	69.3	-	22.2	27.5	17.5
24149	69.1	-	20.4	26.1	16.4
24150	68.3	-	21.6	26.3	16.7
24151	70.0	-	21.9	26.5	17.6
24152	67.7	-	21.7	25.5	17.2
24153	69.0	-	23.7	28.2	17.5
24154	70.4	-	22.0	27.8	18.0
18980	77.0	-	22.0	29.5	14.9
18981	68.0	-	21.0	26.0	15.0
18982	64.8	-	17.1	25.2	15.2
18983	66.5	-	18.2	24.6	14.8
18956	72.0	-	23.5	28.0	15.7
18957	64.0	-	19.0	25.5	13.5
18958	73.5	-	21.5	29.0	16.8
18959	72.0	-	21.0	28.0	16.2
18960	64.5	-	19.0	27.0	13.8
18961	70.0	-	21.0	27.0	15.3
18962	65.0	-	20.0	25.0	14.7
18963	67.5	-	18.0	25.5	14.0
18965	75.0	-	22.0	30.0	16.2
18966	71.0	-	20.0	27.0	14.2
18967	66.0	-	21.5	25.0	13.1
23562	72.6	-	19.5	29.4	15.5
23563	73.5	-	20.0	29.3	16.7
23564	79.0	-	22.0	31.0	16.5
23565	77.0	-	22.0	31.0	16.0

Z.S.I. Reg.No.	Fa	Tl	E	Tb	F & Cl
23566	78.0	-	21.9	31.5	17.0
23567	73.5	-	21.7	29.3	17.5
23568	74.5	-	20.9	30.0	16.3
23569	71.3	-	18.7	28.2	15.7
23570	73.5	-	19.4	28.0	16.3
23571	74.7	-	21.5	30.5	18.1
23572	69.7	-	19.7	27.4	16.0
23573	74.5	-	20.5	28.5	14.5
23574	77.7	-	22.7	28.7	15.7
23575	77.2	-	21.0	29.8	16.1
23494	67.0	-	20.2	26.7	16.5
23495	72.0	-	21.2	27.7	18.1
23498	71.7	-	21.5	28.3	15.3
23487	69.9	-	21.8	27.2	15.8
23488	69.6	-	19.8	25.7	16.2
23489	69.5	-	19.0	25.6	17.5
23490	69.1	-	19.2	25.5	17.4
23496	69.5	-	20.4	28.7	16.3
23497	69.1	-	20.2	28.0	15.6
21733	71.0	17.0	22.0	26.0	16.9
21734	62.0	13.0	20.0	24.3	15.2
21735	65.0	12.0	20.0	23.7	15.4
21736	67.0	17.0	20.0	26.7	17.6
21737	66.0	12.0	20.5	24.3	17.3
21738	68.0	12.0	21.0	24.9	16.6
21739	65.0	11.0	21.5	23.7	16.8
21740	66.0	12.5	20.0	23.8	16.8
21741	71.0	14.0	21.0	27.2	18.0
21742	66.0	15.0	19.0	23.1	17.0
21743	65.0	12.0	20.0	27.1	15.5
18710	70.6	15.0	19.5	26.1	15.7
12685	71.5	13.5	18.2	28.0	17.4

*Measurements**Cranial*

Z.S.I.Reg.No.	l	cb	mtr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr
11051	34.1	30.2	11.6	7.6	9.7	7.6	10.7	22.3	13.7	25.3	13.3

Z.S.I.Reg.No.	l	cb	mtr	c ¹ -c ¹	rw	iw	m-m	zw	cw	ml	ltr
11079	33.6	30.2	-	7.4	8.8	6.5	-	21.7	13.0	24.2	13.0
11053	34.0	30.6	12.3	7.2	9.0	6.7	10.5	21.6	14.0	25.2	14.0
22154	33.3	29.3	11.7	-	8.6	6.7	10.5	20.3	14.1	24.9	12.5
22153	33.8	30.1	11.5	6.8	8.1	6.8	9.6	-	13.8	24.5	12.9
19663	34.5	31.0	12.2	7.0	9.4	6.2	10.2	21.0	14.0	24.5	12.8
19664	33.2	30.2	11.5	7.0	8.8	6.2	10.0	20.1	14.0	24.1	12.3
19666	34.2	30.7	12.7	7.5	9.0	6.5	10.2	21.4	13.8	25.0	12.3
19575	32.5	28.0	11.5	6.9	8.8	5.7	9.6	19.4	12.8	23.9	12.6
19576	32.5	27.3	11.1	6.3	8.7	6.6	9.9	20.1	13.8	23.1	11.4
19577	32.0	29.4	10.9	6.9	8.3	6.1	9.6	19.3	13.3	23.2	11.8
23461	34.5	29.9	11.5	6.9	9.3	6.8	10.0	20.2	13.6	24.6	12.7
23462	33.0	29.0	11.4	7.5	9.2	6.4	10.0	20.6	13.7	23.8	12.8
23463	32.7	29.0	11.5	7.3	8.8	6.5	10.0	20.3	13.4	23.1	12.6
23452	30.2	28.0	10.8	6.5	8.5	5.7	9.3	19.1	13.1	22.8	12.0
23450	31.2	28.2	10.7	6.2	8.5	6.2	9.5	12.3	14.2	-	11.7
23468	32.0	28.8	10.8	6.7	9.4	5.6	9.7	19.9	18.6	22.9	12.5
23467	31.5	29.0	10.5	6.5	8.4	6.3	9.4	18.9	13.4	23.0	11.3
23458	31.3	28.1	11.0	6.7	8.9	6.0	9.1	19.1	13.9	23.3	11.8
23459	32.9	29.0	10.7	6.8	8.1	6.1	9.3	19.7	13.7	23.0	11.9
23456	31.6	28.2	10.4	6.3	8.7	5.7	9.3	19.4	12.9	23.0	11.2
23453	30.3	27.7	10.6	6.0	8.6	5.5	9.3	19.0	13.2	22.2	11.3
11054	33.7	30.2	11.2	7.3	9.6	7.3	10.3	21.9	14.7	24.1	12.9
8096	31.9	29.7	11.4	6.6	8.9	6.1	10.0	20.7	14.0	22.8	12.5
8095	33.0	29.9	11.6	7.2	10.1	6.8	9.9	21.5	13.8	24.2	11.6
25590	34.8	30.5	12.0	7.1	10.1	6.8	10.8	21.7	14.6	25.0	13.7
25591	31.9	29.0	11.4	6.4	8.6	6.0	10.1	19.9	13.6	22.6	12.5
25580	32.0	28.1	11.0	6.6	9.5	6.9	10.1	20.8	13.6	22.2	12.7
25584	33.8	30.0	11.5	6.8	8.9	6.2	10.2	21.0	13.9	23.6	12.5
25578	32.0	28.3	11.1	6.5	9.0	6.2	10.2	21.1	13.9	23.0	13.0
25581	32.9	29.2	11.8	7.1	9.5	6.5	10.6	20.2	14.0	23.5	12.2
25583	33.3	29.6	11.4	6.8	10.0	7.2	10.7	21.0	14.1	24.0	12.5
25588	33.5	29.6	11.6	7.3	9.5	7.2	10.6	-	14.0	23.8	12.8
25593	32.0	29.0	11.4	6.5	9.5	6.3	9.9	20.9	13.7	23.0	12.2
16711	22.7	19.3	8.5	4.4	6.5	5.2	7.2	12.5	11.9	-	-
16712	30.4	28.3	10.5	-	8.0	6.2	9.9	20.0	13.3	-	-
16689	31.8	28.6	11.7	-	9.0	5.9	10.3	21.0	13.7	-	-
16690	31.9	28.6	13.3	6.8	9.1	6.6	9.6	21.3	13.7	23.0	-
10629	32.2	29.3	10.8	6.9	8.9	6.8	9.4	20.6	13.5	-	12.0
16697	-	-	11.4	6.3	9.3	6.7	10.0	21.0	-	22.7	12.5
16686	30.6	27.6	9.5	6.0	8.8	6.2	9.9	20.5	13.5	22.5	11.7

Z.S.I.Reg.No.	l	cb	mtr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr
20734	31.6	28.1	10.6	7.2	9.2	6.7	9.4	21.3	13.7	22.8	12.8
20735	30.3	27.7	-	6.7	9.2	6.7	-	19.6	13.6	22.6	11.8
16695	29.6	-	10.0	6.4	7.8	6.6	9.0	18.8	12.6	-	11.3
16700	30.5	25.8	10.6	6.6	9.0	6.0	9.2	19.5	12.9	22.3	11.4
16698	31.3	29.0	10.3	6.9	9.0	6.6	10.0	21.2	14.0	23.1	-
16702	30.6	27.5	10.9	6.4	8.5	6.2	9.8	19.4	13.8	22.2	11.5
20934	28.4	25.2	10.2	-	7.3	5.9	8.7	-	13.4	19.9	10.7
21056	31.5	28.1	10.7	6.2	8.3	5.9	9.5	19.9	13.5	22.0	11.5
20935	30.9	27.9	10.4	6.2	8.7	5.9	9.5	19.5	13.6	21.4	12.0
10631	-	30.0	10.5	6.7	9.2	6.4	10.2	21.1	19.1	24.2	12.6
16693	34.6	30.7	12.5	7.8	10.0	6.9	10.8	21.7	13.7	25.0	13.5
20837	34.5	31.6	12.1	7.6	10.2	6.8	10.0	21.3	13.9	25.6	13.7
20213	33.3	29.5	11.4	7.4	9.0	7.0	9.9	21.7	13.7	24.4	12.2
16707	32.9	29.5	11.3	7.3	8.9	6.3	10.5	-	-	-	12.5
16685	32.0	29.4	11.3	-	9.2	6.3	10.5	20.3	13.6	23.1	12.1
19414	32.3	28.9	11.5	6.8	8.5	6.8	9.6	20.4	13.3	23.4	12.1
19416	29.2	25.5	10.0	6.5	7.8	5.7	8.9	18.2	12.9	21.0	11.1
18986	31.1	25.9	10.6	6.2	8.0	5.8	9.3	19.8	13.2	-	-
23394	31.0	28.2	11.7	6.7	8.8	7.0	9.8	18.8	13.7	22.7	12.5
18979	31.5	29.2	10.9	6.8	8.8	6.2	9.8	21.1	13.8	-	-
18964	33.1	29.5	11.7	7.0	8.3	6.5	10.1	21.5	13.7	23.6	13.1
19918	30.0	27.3	10.0	6.3	7.8	5.6	8.3	17.8	12.9	22.3	10.9
21987	32.0	27.9	11.1	6.6	9.1	6.2	10.1	20.3	13.8	23.3	12.1
23607	33.5	29.4	11.7	6.7	9.0	6.7	9.8	20.2	13.8	24.8	12.4
23608	32.2	28.6	-	6.5	8.4	6.8	-	20.8	14.0	23.0	11.1
23615	33.9	30.5	12.0	7.5	9.6	6.9	10.5	21.8	13.6	-	13.2
23576	31.2	28.2	10.4	6.0	8.2	6.3	9.5	18.9	13.7	22.3	11.0
23591	31.6	28.1	11.3	6.7	8.3	5.4	9.3	18.4	13.3	22.6	12.5
23584	32.0	28.2	10.7	6.7	8.3	6.0	9.5	19.2	13.5	23.1	12.0
23594	32.6	29.4	11.6	6.9	9.0	6.6	9.7	19.4	13.4	23.7	12.4
23595	31.8	28.7	10.8	6.8	9.2	6.6	10.3	20.0	13.5	23.2	11.8
23423	31.6	27.5	10.5	6.5	8.3	6.3	9.4	-	13.6	22.5	12.0
23416	32.2	27.2	11.4	7.1	8.4	5.9	9.8	19.7	13.6	-	-
23413	32.4	28.0	10.8	6.9	8.0	5.9	9.6	19.4	13.5	23.8	12.8
23585	32.0	26.8	10.6	6.5	8.3	6.5	9.2	20.2	14.0	22.5	11.4
23586	32.0	27.8	11.1	6.7	8.4	6.7	10.0	19.1	13.6	23.3	12.0
23578	31.6	27.8	10.8	6.6	8.0	6.4	9.3	19.2	13.2	22.6	11.6
23579	32.4	28.4	11.0	6.5	8.6	5.6	9.8	20.2	13.3	23.0	11.6
23429	32.2	28.6	10.7	6.7	8.3	5.7	9.5	19.7	13.3	23.2	11.7
23435	30.6	27.2	10.5	6.9	8.4	6.4	9.3	20.4	14.0	22.0	11.1

Z.S.I.Reg.No.	l	cb	mtr	c ¹ -c ¹	rw	iw	m-m	zw	cw	ml	ltr
23427	31.5	28.4	11.1	7.0	9.1	6.4	10.2	20.0	13.4	23.1	12.2
23406	31.7	28.1	10.6	6.3	7.8	6.2	9.0	19.1	13.1	22.8	11.7
23407	31.1	28.0	10.8	7.0	8.4	6.8	9.5	19.3	13.3	-	-
23408	33.3	29.8	11.4	7.2	9.6	6.5	10.5	21.8	14.2	24.2	12.3
23419	33.0	28.8	11.4	7.2	8.9	6.1	9.8	21.2	13.4	24.2	12.0
23420	32.7	29.2	11.6	7.0	8.3	6.4	9.9	19.5	13.7	-	-
23421	32.3	28.0	11.4	6.8	8.3	6.6	9.6	20.0	13.5	-	-
24001	31.0	28.3	11.0	6.5	8.8	6.0	9.2	19.3	14.1	23.0	12.0
23589	31.9	28.2	10.7	6.8	8.4	5.4	9.2	19.1	13.7	23.2	11.2
23590	31.0	27.6	10.8	7.0	8.4	6.0	9.2	18.7	13.7	22.0	11.7
23588	32.6	28.7	10.9	6.8	8.7	5.7	9.6	19.7	13.7	22.7	11.9
23993	31.4	27.7	10.6	6.2	8.5	5.8	9.5	19.0	13.5	22.0	11.4
23996	32.5	27.7	10.8	6.8	8.5	5.7	9.8	19.9	13.6	23.2	12.3
23998	32.6	29.9	11.4	7.0	8.2	6.7	9.6	19.5	13.7	23.8	12.6
23437	30.3	27.5	10.6	6.5	8.2	6.3	9.8	19.3	13.3	21.8	11.6
23440	30.4	27.3	10.3	6.4	8.1	5.9	8.9	18.8	13.0	22.1	11.1
23441	31.9	28.5	10.6	6.7	8.4	5.9	9.8	20.5	13.6	22.7	11.8
21570	32.4	28.5	11.0	7.0	8.5	6.0	9.5	19.9	13.3	23.5	11.7
23601	33.7	29.1	11.9	7.0	9.2	8.1	10.4	21.6	14.1	25.4	12.8
23603	33.0	29.4	11.7	7.2	8.8	6.9	10.4	20.8	14.2	24.7	12.8
23616	32.3	29.1	10.8	7.2	9.5	7.0	10.7	-	14.5	24.0	12.3
23522	32.6	29.4	11.3	7.5	9.0	6.4	9.4	19.8	14.0	24.4	12.2
23529	31.3	28.2	11.4	7.1	9.7	6.1	10.2	20.8	14.5	23.0	12.7
23519	32.0	28.6	11.5	7.0	8.9	5.7	9.6	19.3	13.4	23.3	12.2
23530	32.8	29.6	10.7	6.6	8.5	6.3	9.8	21.3	13.6	24.1	12.1
23518	33.0	29.8	11.9	7.3	9.5	6.2	10.1	21.6	13.8	24.5	12.6
22039	32.9	29.5	10.8	7.4	9.0	5.9	11.2	21.4	14.2	23.7	13.3
22043	30.4	26.5	10.5	6.2	7.7	6.0	9.1	17.6	13.3	21.5	11.6
23539	30.3	25.6	10.5	6.8	8.5	5.9	9.0	19.8	13.3	22.0	11.0
23542	32.4	27.8	10.6	6.9	9.4	6.0	-	21.0	14.0	22.7	12.2
23549	32.5	28.0	10.8	7.2	8.4	6.5	10.4	21.5	13.7	-	-
23554	32.8	28.0	11.0	6.8	8.1	6.3	10.1	20.3	13.5	23.0	12.3
23557	32.0	25.4	10.8	6.8	8.3	6.2	9.2	20.1	13.9	22.7	11.6
18976	32.6	27.6	11.0	7.8	8.6	6.2	9.3	21.2	14.0	23.2	12.4
18714	31.4	25.5	10.5	6.1	-	5.7	9.8	20.1	13.6	21.9	11.9
10296	32.9	28.3	11.2	7.0	9.1	6.0	10.1	-	14.5	24.0	12.1
18980	33.4	28.7	11.1	6.9	8.5	6.5	9.7	21.0	15.1	24.4	12.7
18956	33.6	29.3	11.6	7.9	9.4	6.6	10.4	20.7	14.1	23.9	13.1
18959	32.5	28.2	10.8	6.4	7.9	6.3	9.8	21.3	13.8	23.3	12.3
23562	34.5	29.7	12.0	7.8	8.7	6.9	10.8	22.0	13.9	25.9	13.4

Z.S.I. Reg.No.	l	cb	mtr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr
23565	34.4	30.3	11.8	7.4	9.1	6.8	10.3	21.8	14.0	25.7	13.0
23572	32.3	28.1	11.4	7.6	9.5	7.1	10.3	21.6	13.9	24.0	12.2
23573	32.9	28.9	11.5	7.3	9.0	6.9	10.4	21.3	13.7	23.9	12.8
23575	34.0	30.4	11.6	7.3	9.1	7.0	10.1	21.2	13.9	24.0	13.4
21736	31.7	26.6	10.3	6.3	8.2	6.0	8.6	18.5	13.0	22.7	11.2

Remarks : The measurements of the Registered specimens were taken. Still there are some more specimens which are not registered but they are identified and studied. The skulls of most of the specimens were not extracted and so the cranial measurements of all the specimens are not available.

Distribution : Widely distributed throughout the mainland of the Indian Union, Outside India : Nepal, Bhutan, Sri Lanka, Myanmar, Pakistan, Bangladesh, Hainan.

18. *Cynopterus brachyotis scherzeri* Zelebor

1869. *Cynopterus marginatus* var. (*Pachysoma scherzeri*) Zelebor. *Reise Novara, Saugeth.*

Material available in the National Zoological Collection.

Z.S.I.Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
18067	F	Skin and Skull,	Car Nicobar, A & N Islands.	F. Stoliczka - 1873.
18068	M	Skin and Skull,	Car Nicobar, A & N Islands.	F. Stoliczka - 1873.
18069	M	Skin and Skull,	Car Nicobar, A & N Islands.	F. Stoliczka - 1875.
18070	M	Skin and Skull,	Car Nicobar, A & N Islands.	F. Stoliczka - 1875
18071	F	Skin and Skull,	Car Nicobar, A & N Islands.	F. Stoliczka - 1875.
4935	F	Skin and Skull,	Nicobar Islands, A & N Islands.	V. Ball -
4936	F	Skin and Skull,	Nicobar Islands, A & N Islands.	V. Ball -

Z.S.I.Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
7041	F	Skin and Skull,	Nicobar Islands, A & N Islands.	-	-
24765	M	Skin and Skull,	Andaman & Nicobar Islands.	(D:) Indranil Das	-
24766	F	Skin and Skull,	Andaman & Nicobar Islands.	(D:) Indranil Das	-
24767	M	Skin and Skull,	Andaman & Nicobar Islands.	(D:) Indranil Das	-
24768	F	Skin and Skull,	Andaman & Nicobar Islands.	(D:) Indranil Das	-
24769	M	Skin and Skull,	Andaman & Nicobar Islands.	(D:) Indranil Das	-
24770	M	Skin and Skull,	Andaman & Nicobar Islands.	(D:) Indranil Das	-
24771	M	Skin and Skull,	Andaman & Nicobar Islands.	(D:) Indranil Das	-
24772	F	Skin and Skull,	Andaman & Nicobar Islands.	(D:) Indranil Das	-

Measurements***External***

Z.S.I.Reg. No.	Fa	Tl	E	Tb	F & Cl
18067	70.1	13.5	18.1	28.0	15.4
18068	46.1	9.2	11.5	17.7	16.0
18069	71.0	-	16.7	28.1	16.3
18070	70.3	-	16.1	26.5	16.1
18071	41.0	-	9.8	16.8	14.5
4935	71.5	13.7	16.7	28.4	17.3
4936	71.3	15.5	17.2	28.3	16.0
7041	64.9	12.2	15.3	25.4	15.0
24765	64.5	11.8	17.7	24.2	13.4
24766	67.6	11.3	18.6	25.2	18.8
24767	66.7	11.8	17.5	25.8	15.3
24768	68.8	11.3	17.8	27.7	16.9
24769	65.0	10.7	15.0	24.9	15.2
24770	66.5	11.5	16.5	23.5	15.2
24771	73.8	12.8	19.4	29.4	19.2
24772	73.5	11.5	17.2	27.1	16.8

*Measurements**Cranial*

Z.S.I.Reg.No.	l	cb	mtr	c'-c'	rw	iw	m-m	zw	cw	ml	ltr
18070	30.2	27.0	10.7	-	8.1	7.2	9.1	19.5	13.0	-	-
24771	35.3	29.9	12.0	7.6	9.8	6.4	10.5	21.5	14.3	24.7	13.1

Remarks : The specimens belonging to the species are very poorly represented in the National Zoological Collection and so the skulls of all the specimens were not extracted and cranial measurements of all the specimens are not available.

Distribution : Car Nicobar, Nicobar Islands including Great Nicobar Island.

19. *Cynopterus brachyotis angulatus* Miller

1898. *Cynopterus angulatus* Miller, *Proc. Acad. Nat. Sci. Philadelphia*, 316. Trang, Lower Siam.

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
12730	F	Skin and Skull,	49 Km.N. of Toungoo, Myanmar.	J.M.D. Mackenzie 10 Jan. 1927.
12731	F	Skin and Skull,	49 Km.N. of Toungoo, Myanmar.	J.M.D. Mackenzie -
12733	F	Skin and Skull,	49 Km.N. of Toungoo, Myanmar.	J.M.D. Mackenzie -
12734	F	Skin and Skull,	49 Km.N. of Toungoo, Myanmar.	J.M.D. Mackenzie 02 Feb. 1927.
12735	M	Skin and Skull,	49 Km.N. of Toungoo, Myanmar.	J.M.D. Mackenzie 02 Feb. 1927.
12736	F	Skin only,	49 Km.N. of Toungoo, Myanmar.	J.M.D. Mackenzie 24 Feb. 1927.
12737	M	Skin and Skull,	49 Km.N. of Toungoo, Myanmar.	J.M.D. Mackenzie 03 Apr. 1927.

Measurements**External**

Z.S.I.Regd.No.	Fa	Tl	E	Tb	F & Cl
12730	68.2	-	16.8	27.4	16.4
12731	62.2	-	18.4	24.7	14.9
12733	63.6	-	16.1	25.7	14.2
12734	64.2	13.4	14.5	24.6	13.9
12735	59.5	-	15.8	24.6	13.9
12736	63.2	13.3	15.0	22.7	12.9
12737 (Juv.)	33.3	6.0	13.0	15.0	10.7

Measurements**Cranial**

Z.S.I.Reg.No.	l	cb	mtr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr
12731	29.2	25.7	10.0	6.0	8.0	5.8	8.5	18.6	13.0	20.7	10.4

Remarks : Being the largest form of *Cynopterous brachyotis*, *angulatus* differs from *Cynopterus b. brachyotis* by its larger size. Apparently very much similar to *Cynopterus s. sphinx*. Skulls of some of the specimens are damaged and were not extracted and hence the cranial measurements of all the specimens are not available.

Distribution : Various small islands of Thailand, Western Myanmar, Tenasserim, Cambodia.

20. *Cynopterus brachyotis ceylonensis* Gray

1870. *Cynopterus marginatus* var. *ceylonensis* Gray, *Cat. Monkeys, Lemurs & Fruit-eating Bats* B.M. 122. Ceylon.

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
18824	M	Skin and Skull,	Poinguinim, Goa.	V.C. Agrawal	26 Dec. 1968.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
18825	M	Skin and Skull,	Poinguinim, Goa.	V.C. Agrawal	25 Dec. 1968.
18823	M	Skin and Skull,	Poinguinim, Goa.	V.C. Agrawal	24 Dec. 1968.
18720	M	Skin and Skull,	Kalli, Trivandrum, Kerala.	R.Sn. Pillay	13 Jun. 1915.
18721	F	Skin and Skull,	Vellany, Trivandrum, Kerala.	R.Sn. Pillay	13 Jun. 1915.
18722	M	Skin and Skull,	Kalli, Trivandrum, Kerala.	R.Sn. Pillay	13 Jun. 1915.
18719	F	Skin and Skull,	High Wavy Mountains, Madurai, Tamil Nadu.	-	-
18724	M	Skin and Skull,	Sri Lanka.	-	-
18717	F	Skin only,	Sri Lanka.	08 May 1914. Dr. Kelaart	-
18718	M	Skin and Skull,	Sri Lanka.	Dr. Kelaart	-
21067	M	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	29 Jan. 1980.
21068	M	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	23 Jan. 1980.
21069	F	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	23 Jan. 1980.
21070	F	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	23 Jan. 1980.
21071	F	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	23 Jan. 1980.
21072	F	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	23 Jan. 1980.
21073	M	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	29 Jan. 1980.
21074	M	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	29 Jan. 1980.
21075	F	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	29 Jan. 1980.
21076	M	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	23 Jan. 1980.
21077	F	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	29 Jan. 1980.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
21078	M	Skin and Skull,	Baliaparathodu, Silent-Valley, Palghat, Kerala.	S.S. Saha	29 Jan. 1980.
21079	M	Skin and Skull,	Kumity, 4 Km. from Thekkady, Silent Valley, Kerala.	S. Chakraborty	22 Feb. 1981.
21080	F	Skin and Skull,	Kumity, 4 Km. from Thekkady, Silent Valley, Kerala.	S. Chakraborty	22 Feb. 1981.
21081	M	Skin and Skull,	Kumity, 4 Km. from Thekkady, Silent Valley, Kerala.	S. Chakraborty	22 Feb. 1981.
21082	M	Skin and Skull,	Kumity, 4 Km. from Thekkady, Silent Valley, Kerala.	S. Chakraborty	25 Feb. 1981.
21083	F	Skin and Skull,	Kumity, 4 Km. from Thekkady, Silent Valley, Kerala.	S. Chakraborty	22 Feb. 1981.
21084	M	Skin and Skull,	Kumity, 4 Km. from Thekkady, Silent Valley, Kerala.	S. Chakraborty	09 Mar. 1981.
21085	F	Skin and Skull,	Kumity, 4 Km. from Thekkady, Silent Valley, Kerala.	S. Chakraborty	22 Feb. 1981.
21064	F	Skin and Skull,	Base Camp, Silent Valley, Kerala.	S.S. Saha	17 Jan. 1980.
21065	M	Skin and Skull,	Base Camp, Silent Valley, Kerala.	S.S. Saha	17 Jan. 1980.
21066	M	Skin and Skull,	Base Camp, Silent Valley, Kerala.	S.S. Saha	17 Jan. 1980.
20599	F	Skin and Skull,	Cochin, Ernakulam, Kerala.	D:A. Madhavan	- Sep. 1980.

Measurements**External**

Z.S.I. Regd. No.	Fa	Tl	E	Tb	F & Cl
20599	68.7	14.7	18.5	28.2	14.0
21064	65.4	14.5	17.5	25.5	14.7
21065	65.0	14.0	15.8	24.5	14.2
21066	64.4	11.5	16.2	23.8	13.5
21079	60.2	11.4	15.7	22.7	13.0
21080	63.0	15.4	14.7	25.2	15.2
21081	68.4	15.0	18.2	27.5	16.7
21082	63.5	14.3	13.9	23.9	12.5
21083	64.4	11.4	15.5	24.0	12.2

Z.S.I.Regd.No.	Fa	Tl	E	Tb	F & Cl
21084	62.5	12.0	13.0	24.0	14.2
21085	66.3	13.5	17.2	25.0	14.6
21067	63.4	12.0	14.7	24.3	13.5
21068	59.6	12.0	14.8	22.5	13.8
21069	67.4	10.5	18.9	26.2	13.5
21070	61.1	11.4	15.5	23.7	13.5
21071	63.9	14.6	15.6	24.7	13.5
21072	62.5	11.3	15.5	24.2	14.5
21073	62.7	12.4	13.9	24.0	14.2
21074	62.9	13.2	15.8	24.4	14.6
21075	64.3	13.5	15.5	24.6	12.6
21076	63.8	12.0	16.2	25.8	14.9
21077	64.6	12.0	17.0	23.5	12.6
21078	64.7	9.3	17.0	25.6	14.0
18717	60.9	13.1	15.2	21.3	15.4
18718	62.2	-	16.7	23.2	17.0
18724	39.6	-	10.5	17.5	11.8
18719	65.5	-	12.6	25.0	14.5
18720	67.7	-	12.6	26.0	14.4
18721	63.7	-	9.5	23.0	14.7
18722	44.2	-	9.8	16.0	13.2
18823	65.0	-	16.0	25.5	14.0
18824	65.0	16.0	17.0	26.5	15.3
18825	66.0	15.0	17.0	26.5	13.7

Measurements

Cranial

Z.S.I.Reg.No.	l	cb	mtr	c ¹ -c ¹	rw	iw	m-m	zw	cw	ml	ltr
18823	29.5	26.3	10.5	6.1	7.7	6.3	8.7	18.0	12.1	29.8	11.5
18824	31.4	28.1	10.5	6.9	8.0	6.7	9.5	20.5	12.5	-	-
18720	32.0	28.0	11.1	7.3	9.1	7.4	10.1	20.5	13.6	22.6	12.3

Remarks : In Sri Lanka, the Genus *Cynopterus* is represented by two forms, *Cynopterus sphinx sphinx* and *Cynopterus brachyotis ceylonensis*. The present form is conspicuously smaller in size than *Cynopterus sphinx sphinx*.

Distribution : Kerala, Tamil Nadu, Goa; Sri Lanka.

Genus *Megaerops* Peters, 1865

21. *Megaerops ecaudatus* (Temminck)

1837. *Pachysoma ecaudatum* Temminck, *Mon. Mamm.* 2 : 94. Padang, Western Sumatra.

Common Name : Temminck's Fruit Bat (Eng.).

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
25388	M	Skin and Skull,	77 Miles Base Camp, Namdapha, Tirap, Arunachal Pradesh.	S.S. Saha	06 Feb. 1987.
25389	M	Skin and Skull,	77 Miles Base Camp, Namdapha, Tirap, Arunachal Pradesh.	S.S. Saha	07 Feb. 1987.
25390	M	Skin and Skull,	77 Miles Base Camp, Namdapha, Tirap, Arunachal Pradesh.	S.S. Saha	03 Feb. 1987.
25391	F	Skin and Skull,	77 Miles Base Camp, Namdapha, Tirap, Arunachal Pradesh.	S.S. Saha	01 Feb. 1987.
25392	F	Skin and Skull,	Gandhigram, Tirap, Arunachal Pradesh.	S.S. Saha	25 Jan. 1987.
25393	F	Skin and Skull,	Gandhigram, Tirap, Arunachal Pradesh.	S.S. Saha	28 Jan. 1987.
25394	F	Skin and Skull,	Gandhigram, Tirap, Arunachal Pradesh.	S.S. Saha	29 Jan. 1987.
25395	F	Skin and Skull,	Gibbon's Land, Tirap, Arunachal Pradesh.	S. Biswas	30 Apr. 1987.

Measurements

External

Z.S.I. Reg. No.	Fa	E	Tb	F & Cl
25388	60.6	17.6	25.6	13.7
25389	58.5	17.8	23.4	18.8
25390	60.8	19.6	23.3	13.7
25391	63.6	17.7	25.6	14.8

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
25392	61.0	18.3	24.2	15.6
25393	57.7	18.0	24.8	13.6
25394	60.2	19.9	24.9	13.6
25395	59.6	18.5	22.4	11.8

Measurements

Cranial

Z.S.I.Reg.No.	l	cb	mtr	c ¹ -c ¹	rw	iw	m-m	zw	cw	ml	ltr
25388	28.9	27.2	9.0	4.8	5.8	5.8	8.5	18.2	12.4	19.8	9.9
25391	28.3	26.9	9.3	5.3	9.0	5.5	8.9	18.7	11.6	19.2	10.1
25395	27.8	26.2	8.8	5.0	8.6	5.1	8.5	18.1	12.2	18.6	9.7

22. *Megaerops niphanae* Yenbutra & Felten

1983. *Megaerops niphanae* Yenbutra & Felten, *Senckenberg. Biol.* **64** : 2 (Sakaerat Environmental Research Station, Amphoe Park Thong Chai, Nakhon Ratchasima Prov., Thailand).

Common name : Niphan's Fruit Bat (Eng.).

Material available in the National Zoological Collection :

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
25379	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas	19 Dec. 1982.
25380	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas	19 Dec. 1982.
25381	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas	19 Dec. 1982.
25382	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas	19 Dec. 1982.
25383	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas	19 Dec. 1982.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25384	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 19 Dec. 1982.
25385	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 19 Dec. 1982.
25386	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 19 Dec. 1982.
25387	M	Skin and Skull,	Miao, Tirap, Arunachal Pradesh.	S. Biswas 03 Dec. 1982.
25369	M	Skin and Skull,	Hornbill, Tirap, Arunachal Pradesh.	S. Biswas 16 Dec. 1983.
25370	F	Skin and Skull,	Hornbill, Tirap, Arunachal Pradesh.	S. Biswas 16 Dec. 1983.
25371	F	Skin and Skull,	Hornbill, Tirap, Arunachal Pradesh.	S. Biswas 14 Dec. 1983.
25372	M	Skin and Skull,	Hornbill, Tirap, Arunachal Pradesh.	S. Biswas 14 Dec. 1983.
25373	F	Skin and Skull,	Hornbill, Tirap, Arunachal Pradesh.	S. Biswas 16 Dec. 1983.
25374	M	Skin and Skull,	Hornbill, Tirap, Arunachal Pradesh.	S. Biswas 17 Dec. 1983.
25375	M	Skin and Skull,	Hornbill, Tirap, Arunachal Pradesh.	S. Biswas 17 Dec. 1983.
25376	F	Skin and Skull,	Hornbill, Tirap, Arunachal Pradesh.	S. Biswas 15 Dec. 1983.
25377	F	Skin and Skull,	Hornbill, Tirap, Arunachal Pradesh.	S. Biswas 24 Dec. 1983.
25378	M	Skin and Skull,	Gibbon's Land, Tirap, Arunachal Pradesh.	S. Biswas 04 Jan. 1984.
25358	F	Skin only,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 03 Dec. 1983.
25359	F	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 07 Dec. 1983.
25360	F	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 07 Dec. 1983.
25361	F	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 08 Dec. 1983.
25362	M	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 07 Dec. 1983.
25363	M	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 07 Dec. 1983.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25364	F	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 08 Dec. 1983.
25365	F	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 08 Dec. 1983.
25366	F	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 07 Dec. 1983.
25367	M	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 04 Dec. 1983.
25368	M	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 08 Dec. 1983.
24830	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 18 Jan. 1997.
24831	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 15 Apr. 1995.
24832	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 17 Apr. 1995.
24833	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 24 Apr. 1995.
24835	F	Skin and Skull,	Sairep, Lunglei, Mizoram.	A. Gupta 05 May 1995.
24798	F	Skin and Skull,	North Khawbung, Aizawl, Mizoram.	A.K. Mandal 16 Dec. 1993.
24799	M	Skin and Skull,	North Khawbung, Aizawl, Mizoram.	A.K. Mandal 16 Dec. 1993.
24800	F	Skin and Skull,	North Khawbung, Aizawl, Mizoram.	A.K. Mandal 16 Dec. 1993.
24801	F	Skin and Skull,	North Khawbung, Aizawl, Mizoram.	A.K. Mandal 16 Dec. 1993.
24802	F	Skin and Skull,	North Khawbung, Aizawl, Mizoram.	A.K. Mandal 17 Dec. 1993.
24803	F	Skin and Skull,	North Khawbung, Aizawl, Mizoram.	A.K. Mandal 18 Dec. 1993.
24804	M	Skin and Skull,	North Khawbung, Aizawl, Mizoram.	A.K. Mandal 19 Dec. 1993.
24805	M	Skin and Skull,	North Khawbung, Aizawl, Mizoram.	A.K. Mandal 19 Dec. 1993.
24819	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 17 Apr. 1995.
24820	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 17 Apr. 1995.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
24821	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 17 Apr. 1995.
24822	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 26 Apr. 1995.
24823	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 18 Apr. 1995.
24824	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 21 Apr. 1995.
24825	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 21 Apr. 1995.
24826	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 22 Apr. 1995.
24827	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 23 Apr. 1995.
24828	F	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 24 Apr. 1995.
24829	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 12 Jan. 1997.
23904	M	Skin and Skull,	Tamenglong, Manipur.	A.K. Mandal 22 Nov. 1992.
23905	F	Skin and Skull,	Uchdthol, Imphal, Manipur.	A.K. Mandal 28 Nov. 1992.
21753	M	Skin and Skull,	Huai Kha Khang Wildlife Sanctuary, U.Thane Prov., Thailand.	D.A. Schlitter 14 Jul. 1983.
(Received in exchange from Carnegie Museum of Natural History).				
24430	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 17 Apr. 1995.
24431	F	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 17 Apr. 1995.
24751	M	Skin and Skull,	North Khawbung, Aizawl, Mizoram.	A.K. Mandal 16 Dec. 1993.

*Measurements**External*

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
21753	53.0	17.7	22.0	11.7
23904	59.4	19.2	23.0	14.0
23905	59.0	17.5	22.7	14.0
24819	54.6	16.0	22.4	12.1
24820	59.4	17.3	25.1	12.7
24821	57.5	17.4	23.6	11.5
24822	56.3	17.3	22.9	13.0
24823	63.3	19.8	26.4	13.6
24824	58.4	18.8	24.5	13.3
24825	57.4	17.8	23.3	13.4
24826	60.3	18.7	24.1	13.3
24827	58.4	16.7	24.1	14.0
24828	58.5	17.7	24.2	13.2
24829	60.8	20.0	24.9	13.3
24830	60.9	19.0	24.5	14.9
24831	58.7	18.0	24.5	13.6
24832	58.0	18.1	24.5	12.9
24833	59.8	17.5	24.9	13.1
24798	61.0	18.1	26.0	12.5
24799	61.1	18.5	24.3	12.5
24800	62.3	17.8	25.4	12.0
24801	58.0	18.5	22.0	11.0
24802	60.5	17.0	24.5	13.5
24803	65.0	18.0	24.5	13.5
24804	58.0	19.0	23.0	13.0
24805	58.0	18.0	23.4	13.0
24835	55.2	13.8	21.3	14.1
25358	62.3	18.3	26.1	12.5
25359	62.0	16.7	24.1	13.2
25360	62.2	19.8	25.5	13.1
25361	61.4	17.2	25.8	13.4
25362	58.3	17.1	23.5	14.1
25363	58.5	17.7	24.4	15.6
25364	62.0	17.8	27.0	14.0
25365	60.2	20.1	25.8	14.5
25366	59.6	18.3	26.2	13.1
25367	58.6	17.9	23.7	14.1
25368	57.4	17.2	23.3	12.2
25369	53.8	15.1	21.1	13.9
25370	58.4	16.2	21.9	13.9

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
25371	60.8	17.5	25.2	14.3
25372	57.1	16.4	21.6	10.6
25373	64.7	18.0	26.4	16.4
25374	57.4	16.3	23.3	12.1
25375	60.1	17.5	25.4	13.3
25376	55.2	17.7	20.5	13.3
25377	58.9	16.7	23.8	13.4
25378	54.8	16.4	20.3	11.8
25379	56.2	17.1	21.8	12.4
25380	55.6	18.5	23.2	13.2
25381	57.8	18.0	23.5	13.7
25382	56.8	18.9	21.8	12.8
25383	60.6	18.2	23.3	13.2
25384	59.2	17.3	24.5	14.3
25385	61.7	18.0	24.4	14.3
25386	55.9	17.7	22.5	12.2
25387	55.5	17.0	21.5	13.5
24430	60.7	18.5	24.8	13.7
24431	60.7	17.2	25.7	12.8
24751	58.0	17.5	23.0	13.0

Measurements**Cranial**

Z.S.I.Reg.No.	l	cb	mtr	c ¹ -c ¹	rw	iw	m-m	zw	cw	ml	ltr
25386	28.0	26.1	8.8	4.6	8.5	5.3	8.3	18.0	12.0	18.8	-
25385	29.8	27.8	8.9	5.1	8.3	5.3	8.3	18.4	12.2	19.9	-
25384	28.7	27.0	9.0	5.3	8.8	5.8	8.6	18.9	12.3	18.8	-
25383	28.2	29.8	9.5	5.2	9.1	5.3	9.1	18.0	12.5	19.9	-
25382	26.9	25.5	8.5	5.1	8.6	5.1	8.6	17.1	11.8	18.4	-
25381	27.8	25.8	8.7	5.0	8.4	5.3	8.4	17.6	12.1	18.8	-
25379	26.8	25.1	8.3	5.0	8.4	4.7	8.3	17.0	12.1	17.7	-
25377	27.3	25.9	8.2	4.7	7.7	4.9	7.7	16.4	12.0	-	-
25376	27.2	24.5	8.3	4.5	7.9	5.2	7.8	16.6	11.7	18.2	-
25375	27.6	26.7	8.6	4.9	7.8	4.0	7.8	18.4	12.1	-	-
25374	28.3	27.2	9.0	4.9	8.6	5.5	8.6	18.2	12.6	19.4	9..9
25373	27.4	26.4	8.8	5.1	8.4	5.1	8.3	17.8	12.3	18.6	9.6

Z.S.I.Reg.No.	l	cb	mtr	c ¹ -c ¹	rw	iw	m-m	zw	cw	ml	ltr
25372	27.5	25.8	8.8	5.2	8.0	5.0	8.0	16.6	11.9	18.7	9.6
25371	28.0	27.0	9.0	5.5	8.8	5.2	8.8	19.5	12.6	19.2	9.8
25370	27.1	25.8	8.3	4.8	8.4	5.3	8.2	17.1	11.8	18.4	9.2
25368	27.6	25.5	8.1	5.0	8.0	5.2	8.0	18.3	12.8	18.2	8.8
25367	28.5	27.2	8.7	5.1	8.0	5.0	8.1	17.3	11.7	19.7	9.7
25366	27.7	26.4	8.3	5.1	8.4	5.0	8.3	18.6	12.7	18.9	9.2
25365	28.5	27.8	9.1	5.8	8.4	5.5	8.3	18.2	12.3	19.5	10.0
25364	29.2	28.2	8.9	5.1	8.5	5.8	8.1	-	12.0	19.5	9.8
25363	27.5	26.4	8.6	5.2	8.1	4.9	8.5	18.5	12.5	19.0	9.5
25362	28.1	26.8	8.6	5.0	8.6	5.1	8.4	17.6	11.8	18.2	9.5
25361	28.7	27.5	8.8	5.8	9.0	5.3	9.0	18.9	12.5	19.7	9.8
25360	28.5 ¹	27.0	8.6	5.1	8.4	5.4	8.6	18.9	13.2	19.2	9.4
25359	27.3	26.0	8.4	5.0	8.6	5.1	8.6	18.2	12.7	18.3	9.2
24831	27.2	25.5	8.5	4.7	8.3	4.8	8.3	18.0	12.2	18.2	9.1
24833	28.3	26.3	8.9	5.0	8.6	5.2	8.6	18.2	12.1	19.3	9.7
24798	28.4	26.5	8.8	4.8	8.5	5.4	8.6	18.1	12.2	19.7	9.7
24799	29.0	26.5	9.0	4.9	8.7	4.9	8.4	17.4	12.3	20.0	9.9
24800	28.8	26.8	8.8	4.7	8.6	5.4	8.2	18.0	12.1	19.3	9.4
24803	28.4	26.5	9.2	5.0	9.0	5.5	8.5	18.3	11.6	20.0	9.8
24804	27.9	25.5	8.5	4.6	8.4	5.2	8.3	17.7	11.8	18.4	9.4
24835	28.8	26.4	9.0	5.1	9.3	5.0	8.8	18.7	11.8	19.6	9.7
24823	28.7	26.2	9.3	5.1	8.7	5.3	8.6	18.2	12.1	19.7	10.0
24824	27.4	26.1	8.7	4.8	8.4	5.6	8.4	17.9	11.7	19.0	9.6
24826	28.2	26.5	8.8	5.1	8.8	5.1	8.7	18.4	12.4	19.4	9.6
23904	28.0	-	8.6	5.8	-	5.0	8.3	17.8	12.4	20.0	-
23905	26.3	-	8.3	5.3	-	5.0	7.9	17.6	12.0	19.0	-
21753	26.6	25.0	8.5	4.6	8.5	5.4	8.2	17.6	12.1	18.3	8.9
24430	27.9	26.5	9.3	4.3	7.9	5.2	8.5	17.8	12.2	19.2	10.2
24431	28.6	27.5	9.1	5.0	8.8	6.1	8.5	18.9	12.0	19.9	10.1
24751	27.9	26.7	8.3	5.1	9.0	5.5	8.5	18.3	11.8	20.2	9.5

Ramarks : The specimens are very much similar to *Cynopterus sphinx sphinx* having no external tail and ears without white edge. The Indian specimens belonging to the genus *Megaerops* are morphologically similar to *niphanae*.

Distribution : West Bengal, Sikkim, Mizoram, Manipur, Arunachal Pradesh (Saha 1955, reported as *Megaerops ecaudatus*), Vietnam, Thailand.

Genus *Sphaerias* Miller, 190623. *Sphaerias blanfordi* (Thomas)

1891. *Cynopterus blanfordi* Thomas, *Ann. Mus. civ. Stor. nat. Giacoma Doria*, **10** : 884, 921-922, pl.xi, figs. 1-2 (Leito, Cheba, Karen Hills, 1,000 m., Burma=Myanmar).

Common name : Blanford's Fruit Bat (Eng.)

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
24255	M	Skin only,	Tumün (1800m.), E.district, Sikkim.	V.C. Agrawal 28 Sep 1988.
18730	M	Skin only,	Ganglakha (35 Km NE of Phuntsoling), W.Bhutan.	B. Biswas 27 Jan 1969.
25338	M	Skin and Skull,	Palmajua (c.2250m.), Darjeeling, W.Bengal.	R.K. Ghose 04 Jul 1974.
24809	F	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 26 Apr 1995.
24810	M	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 23 Apr 1995.
24811	M	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 23 Apr 1995.
24812	M	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 24 Apr 1995.
24813	F	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 24 Apr 1995.
24814	F	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 24 Apr 1995.
24815	M	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 24 Apr 1995.
24816	M	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 24 Apr 1995.
24817	M	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 24 Apr 1995.
24818	F	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 27 Apr 1995.
24806	F	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 23 Apr 1995.
24807	F	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 23 Apr 1995.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
24808	M	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 24 Apr. 1995.
24758	M	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 24 Apr. 1995.
24757	F	Skin and Skull,	Sairep, (c.1500m.), Lunglei, Mizoram.	T.P. Bhattacharyya 23 Apr. 1995.
24665	F	Skin and Skull,	Murlen National Park, Aizawl, Mizoram,	S.S. Saha 18 Dec. 1993.
25618	M	Skin and Skull,	Goomti, Darjeeling West Bengal.	P.K. Das 26 May 1980.
25619	F	Skin and Skull,	Goomti, Darjeeling West Bengal.	P.K. Das 22 May 1980.
19921	F	Skin and Skull, (both damaged)	Darjeeling, West Bengal.	G. King - 1877.
25320	F	Skin and Skull,	Gandhigram, Tirap, Arunachal Pradesh.	S.S. Saha 10 Feb. 1987.
25321	F	Skin and Skull,	Gandhigram, Tirap, Arunachal Pradesh.	S.S. Saha 23 Jan. 1987.
25322	F	Skin and Skull,	Gandhigram, Tirap, Arunachal Pradesh.	S.S. Saha 10 Feb. 1987.
25323	F	Skin and Skull,	Gandhigram, Tirap, Arunachal Pradesh.	S.S. Saha 10 Feb. 1987.
25324	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 20 Dec. 1982.
25330	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 29 Apr. 1981.
25331	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 30 Apr. 1981.
25332	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 02 May 1981.
25333	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 30 Apr. 1981.
25334	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 29 Apr. 1981.
25335	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 29 Apr. 1981.
25325	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 20 Dec. 1982.
25326	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 20 Dec. 1982.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25327	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 20 Dec. 1982.
25328	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 20 Dec. 1982.
25329	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh.	S. Biswas 20 Dec. 1982.
24198	M	Skin and Skull,	Tumin (1800m.), E. District, Sikkim.	V.C. Agrawal 25 Sep. 1988.
24197	M	Skin and Skull,	Tumin (1800m.), E. District, Sikkim.	V.C. Agrawal 25 Sep. 1988.
24196	M	Skin and Skull,	Tumin (1800m.), E. District, Sikkim.	V.C. Agrawal 24 Sep. 1988.
24199	M	Skin and Skull,	Tumin (1800m.), E. District, Sikkim.	V.C. Agrawal 25 Sep. 1988.
24200	M	Skin and Skull,	Tumin (1800m.), E. District, Sikkim.	V.C. Agrawal 25 Sep. 1988.
24201	M	Skin and Skull,	Tumin (1800m.), E. District, Sikkim.	V.C. Agrawal 25 Sep. 1988.
24202	F	Skin and Skull,	Tumin (1800m.), E. District, Sikkim.	V.C. Agrawal 25 Sep. 1988.
24203	F	Skin and Skull,	Tumin (1800m.), E. District, Sikkim.	V.C. Agrawal 26 Sep. 1988.
24204	F	Skin and Skull,	Tumin (1800m.), E. District, Sikkim.	V.C. Agrawal 26 Sep. 1988.
19624	M	Skin and Skull,	Ganglakha, c. 35 Km NE of Phuntsholing, W. Bhutan.	B. Biswas 27 Jan. 1969.
19635	M	Skin and Skull,	Tashi Yangtshi (c.2000m.), Yangpi Valley, E. Bhutan.	B. Biswas 06 Dec. 1973.
19636	M	Skin and Skull,	Tashi Yangtshi (c.2000m.), Yangpi Valley, E. Bhutan.	B. Biswas 06 Dec. 1973.
19637	F	Skin and Skull,	Tashi Yangtshi (c.2000m.), Yangpi Valley, E. Bhutan.	B. Biswas 06 Dec. 1973.
24730	M	Skin and Skull,	Sairep, Lunglei, Mizoram.	T.P. Bhattacharyya 23 Apr. 1995.

Measurements**External**

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
19624	52.0	18.0	17.8	15.9
19635	50.0	16.0	17.6	12.0
19636	51.0	15.5	17.4	12.7
19637	56.0	17.0	21.7	11.8
24196	51.0	17.0	18.5	13.3
24197	51.0	17.0	20.0	13.9
24198	52.0	16.5	20.5	14.4
24199	51.0	15.0	21.0	13.8
24200	50.0	15.0	18.5	12.1
24201	48.0	14.0	18.0	12.1
24202	52.0	15.0	19.0	13.0
24203	52.0	18.0	19.0	13.7
24204	52.0	18.0	20.0	13.2
25325	61.5	18.6	26.6	15.8
25326	58.5	19.2	24.4	14.2
25327	53.5	14.8	20.6	13.0
25328	57.5	17.3	22.8	13.5
25329	58.7	18.5	23.5	13.2
25330	54.4	16.4	23.0	13.5
25331	52.4	14.4	18.9	14.6
25332	55.6	17.4	20.7	16.1
25333	54.5	17.3	19.0	13.9
25334	51.2	16.0	19.5	12.8
25335	54.5	13.7	19.4	13.9
25320	50.8	15.2	18.1	12.0
25321	53.6	16.6	19.7	13.4
25322	54.8	16.4	21.2	12.3
25323	52.9	15.6	20.3	13.3
25324	58.5	16.0	22.5	12.3
25618	53.6	19.2	20.5	12.8
25619	52.5	19.4	20.0	13.0
24757	51.9	17.8	20.6	11.9
24758	54.7	16.6	20.6	10.7
24665	51.7	17.5	19.0	10.0
24806	55.0	17.9	20.6	11.8
24807	53.6	17.2	20.6	11.7
24808	52.6	16.1	20.7	11.0
24809	52.1	16.9	19.9	11.0
24810	50.2	17.5	19.3	11.7
24811	52.2	17.8	20.7	10.0
24812	53.0	16.1	20.1	11.2

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
24813	55.5	16.6	20.7	11.6
24814	53.4	16.7	20.5	11.8
24815	53.1	16.5	20.7	11.7
24816	52.3	16.0	19.8	10.7
24817	51.0	16.4	19.2	11.6
24818	53.1	16.3	19.7	11.8
18730	54.0	19.0	19.6	11.5
24255	45.5	16.0	17.2	12.4
25338	52.9	15.0	19.4	12.2
24730	51.1	17.5	19.7	11.9

*Measurements**Cranial*

Z.S.I.Reg.No.	l	cb	mtr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr
25338	27.0	24.5	8.4	6.7	8.3	5.6	8.2	17.1	12.7	19.1	9.2
24758	28.1	25.0	8.3	6.4	7.8	5.1	7.8	17.7	12.9	19.5	9.4
24757	27.2	24.5	7.9	6.0	8.1	5.4	8.1	16.8	12.2	-	-
24665	27.5	25.2	8.6	6.0	7.5	4.9	7.6	-	11.6	19.4	9.5
25618	27.2	24.5	8.4	6.3	8.3	5.4	8.2	17.3	12.5	19.1	9.4
25322	27.8	-	8.6	6.2	8.1	5.1	8.1	16.3	12.3	18.9	9.4
25330	27.4	25.3	8.1	6.3	8.3	4.9	8.3	16.5	12.5	19.7	9.3
25331	26.6	24.5	8.0	6.0	7.9	5.3	7.9	16.4	12.0	18.7	9.2
25332	27.9	-	8.3	6.1	8.1	5.5	8.1	16.6	12.4	19.2	9.5
25333	27.6	25.4	8.1	6.0	8.9	5.1	7.9	17.2	11.9	19.4	9.3
25335	27.1	24.9	8.3	6.1	8.1	5.6	8.1	-	12.0	19.2	9.5
25325	29.5	27.5	8.9	5.1	8.9	5.6	8.7	19.2	12.4	19.8	9.4
25326	27.0	25.3	8.8	4.5	8.2	5.1	8.1	17.4	12.0	18.4	9.4
25328	28.1	26.1	8.9	5.3	8.4	5.2	8.3	18.2	11.9	19.4	9.7
19637	26.8	24.2	7.8	6.1	8.3	6.3	8.0	17.2	12.4	18.9	8.9
19636	26.2	23.6	7.5	5.3	7.5	5.5	7.7	16.8	12.0	18.1	8.7
19624	27.4	24.4	8.2	6.6	8.3	5.3	8.3	17.6	12.6	19.1	9.3
24730	27.0	23.9	8.0	6.5	6.7	5.4	8.3	17.4	12.3	19.2	10.7

Remarks : Tail entirely absent. Calcar absent due to the fact that the interfemoral membrane terminates far above the ankle. The skulls of all the specimens were not extracted and so the cranial measurements of most of the specimens are not available.

Distribution Arunachal Pradesh, Uttar Pradesh, Sikkim, Mizoram, West Bengal; Bhutan, Nepal, S.W. China, Thailand, Myanmar.

Subfamily MACROGLOSSINAE

Genus *Eonycteris* Dobson, 1873

24. *Eonycteris spelaea spelaea* (Dobson)

1871. *Macroglossus spelaeus* Dobson, *Proc. Asiat. Soc. Beng.*, : 105, 106 (Farm Caves, Moulmein, Tenasserim, Myanmar).

Common name : Dobson's Long-tongued Fruit Bat (Eng.).

Material available in the National Zoological Collection.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23472	F	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mukherjee 19 Jan. 1972.
23474	F	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 20 Jul. 1972.
23475	F	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 20 Jul. 1972.
23476	M	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 20 Jul. 1972.
23477	F	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 20 Jul. 1972.
23478	F	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 20 Jul. 1972.
23479	M	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 20 Jul. 1972.
23480	F	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 21 Jul. 1972.
23481	M	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 21 Jul. 1972.
23482	-	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 21 Jul. 1972.
23484	F	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 21 Jul. 1972.
23485	M	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 21 Jul. 1972.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
23486	M	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 21 Jul, 1972.
23483	F	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mandal 21 Jul. 1972.
23473	F	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mukherjee 19 Jan. 1972.
18830	M	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mukherjee 16 Jan. 1972.
18831	M	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mukherjee 19 Jan. 1972.
18832	M	Skin and Skull,	Chiriatapu, South Andaman, A & N Islands.	A.K. Mukherjee 19 Jan. 1972.
25350	M	Skin and Skull,	Diglipur, North Andaman, A & N Islands.	K.K. Tiwari 03 Mar. 1980.
25351	M	Skin and Skull,	Wright Myo, South Andaman, A & N Islands.	P.K. Das 10 Apr. 1975.
25352	M	Skin and Skull,	Wright Myo, South Andaman, A & N Islands.	P.K. Das 10 Apr. 1975.
25353	M	Skin and Skull,	Wright Myo, South Andaman, A & N Islands.	P.K. Das 10 Apr. 1975.
25354	F	Skin and Skull,	Maya Bandar, North Andaman, A & N Islands.	K.K. Tiwari 13 Mar. 1980.
21134	M	Skin and Skull,	Bora Guhalu, Vishakhapatnam, Andhra Pradesh.	P.K. Das 08 Mar. 1983.
21135	M	Skin and Skull,	Bora Guhalu, Vishakhapatnam, Andhra Pradesh.	P.K. Das 08 Mar. 1983.
21136	M	Skin and Skull,	Bora Guhalu, Vishakhapatnam, Andhra Pradesh.	P.K. Das 08 Mar. 1983.
21340	F	Skin and Skull,	Lankapakalu, Vishakhapatnam, Andhra Pradesh.	S.S. Saha 14 Mar. 1985.
21341	M	Skin and Skull,	Lankapakalu, Vishakhapatnam, Andhra Pradesh.	S.S. Saha 14 Mar. 1985.
21342	M	Skin and Skull,	Lankapakalu, Vishakhapatnam, Andhra Pradesh.	S.S. Saha 14 Mar. 1985.
25345	M	Skin and Skull,	Peshok, Darjeeling, West Bengal.	P.K. Das 03 Jun. 1980.
25346	M	Skin and Skull,	Shukna, Darjeeling, West Bengal.	P.K. Das 22 May 1980.
25347	M	Skin and Skull,	Sevok, Darjeeling, West Bengal.	P.K. Das 06 Jun. 1980.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25348	M	Skin and Skull,	Shukna, Darjeeling, West Bengal.	P.K. Das 22 May 1980.
25349	F	Skin and Skull,	Kolkata, West Bengal.	F. Stoliczka - 1875.
25342	M	Skin and Skull,	Kherkheria, Darrang, Assam.	R.K. Ghose 31 Jan. 1976.
25343	M	Skin and Skull,	Kherkheria, Darrang, Assam.	R.K. Ghose 05 Feb. 1976.
25344	M	Skin and Skull,	Kherkheria, Darrang, Assam.	R.K. Ghose 04 Feb. 1976.
10504	-	Skin and Skull,	Siju Cave, Garo Hills, Meghalaya	S.W. Kemp & B.N. Chopra - Feb. 1922.
25339	F	Skin and Skull,	Farm Caves, Moulmein, Myanmar	W. Theobald -
25340	F	Skin and Skull,	Farm Caves, Moulmein, Myanmar	W. Theobald -
25341	F	Skin and Skull,	Farm Caves, Moulmein, Myanmar	- -
19778	M	Skin and Skull,	Nislneer, North Kanara, Karnataka.	H.R. Bhat 28 Dec. 1973.
19779	F	Skin and Skull,	Nislneer, North Kanara, Karnataka.	H.R. Bhat 28 Dec. 1973.
16773	M	Skin and Skull,	Tagoot,Gt.Tenasserim River, Myanmar	G.C. Shortridge 19 Apr. 1914.
16774	M	Skin only.	Tagoot,Gt.Tenasserim River, Myanmar	G.C. Shortridge 19 Apr. 1914.
25355	F	Skin and Skull,	Sampaje, Coorg, Karnataka.	V.C. Agrawal 31 Jan. 1977.
25356	M	Skin and Skull,	Jog, Shimoga, Karnataka.	V.C. Agrawal 15 Jan. 1977.
24795	M	Skin and Skull,	Teirei,Dampa Tlang Cave, Aizawl, Mizoram.	A.K. Mandal 26 Dec. 1993.
24796	M	Skin and Skull,	Teirei,Dampa Tlang Cave, Aizawl, Mizoram.	A.K. Mandal 26 Dec. 1993.
24794	M	Skin and Skull,	Teirei,Dampa Tlang Cave, Aizawl, Mizoram.	A.K. Mandal 26 Dec. 1993.
24793	F	Skin and Skull,	Teirei,Dampa Tlang Cave, Aizawl, Mizoram.	A.K. Mandal 26 Dec. 1993.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
24797	M	Skin and Skull,	Teirei,Dampa Tlang Cave, Aizawl, Mizoram.	A.K. Mandal	26 Dec. 1993.
24792	M	Skin and Skull,	Teirei,Dampa Tlang Cave, Aizawl, Mizoram.	A.K. Mandal	26 Dec. 1993.
24791	M	Skin and Skull,	Teirei,Dampa Tlang Cave, Aizawl, Mizoram.	A.K. Mandal	26 Dec. 1993.
24790	M	Skin and Skull,	Teirei,Dampa Tlang Cave, Aizawl, Mizoram.	A.K. Mandal	26 Dec. 1993.
24789	F	Skin and Skull,	Teirei,Dampa Tlang Cave, Aizawl, Mizoram.	A.K. Mandal	26 Dec. 1993.
24788	F	Skin and Skull,	Teirei,Dampa Tlang Cave, Aizawl, Mizoram.	A.K. Mandal	26 Dec. 1993.
24787	F	Skin and Skull,	Lungsen (c.650m.), Lunglei, Mizoram.	T.P. Bhattacharyya	26 Jan. 1997.
24786	F	Skin and Skull,	Lungsen (c.650m.), Lunglei, Mizoram.	T.P. Bhattacharyya	26 Jan. 1997.
24785	F	Skin and Skull,	Lungsen (c.650m.), Lunglei, Mizoram.	T.P. Bhattacharyya	23 Jan. 1997.
24784	M	Skin and Skull,	Lungsen (c.650m.), Lunglei, Mizoram.	T.P. Bhattacharyya	22 Jan. 1997.
21710	F	Skin and Skull,	Kamlang Nagar, Lohit, Arunachal Pradesh.	C.B. Srivastava	10 Dec. 1986.
25357	F	Skin and Skull,	Seigosa, Kameng Div., NEFA, Arunachal Pradesh.	V.C. Agrawal	19 Jul. 1977.

Measurements**External**

Z.S.I.Reg. No.	Fa	Tl	E	Tb	F & Cl
25357	68.0	14.2	19.0	30.0	16.0
21710	72.4	22.5	17.9	28.1	19.9
24784	58.7	14.0	17.0	26.6	16.2
24787	60.7	16.4	18.4	28.0	18.9
24785	67.2	16.7	18.7	30.0	16.7
24786	65.9	15.0	20.7	30.0	20.0
24789	67.5	17.0	20.0	32.7	20.0

Z.S.I.Reg. No.	Fa	Tl	E	Tb	F & Cl
24790	72.0	15.0	19.0	33.5	19.0
24788	68.2	18.0	19.5	31.2	19.5
24794	62.0	15.5	18.0	26.0	19.0
24796	77.0	16.0	20.0	35.5	21.0
24791	64.5	14.0	18.5	27.5	18.0
24792	66.8	15.0	20.0	30.0	19.0
24797	64.1	15.0	18.5	29.2	18.0
24795	65.0	14.0	19.0	26.5	19.5
24793	68.0	16.0	20.0	31.5	19.0
25355	71.5	16.4	19.0	32.5	18.4
25356	58.5	10.5	18.0	23.5	17.2
19778	72.9	16.0	14.6	35.5	17.7
19779	68.6	14.8	15.7	36.1	15.9
16773	69.3	16.0	20.2	32.0	15.0
16774	70.4	17.0	20.0	30.5	16.7
25339	69.4	14.9	18.8	32.0	16.4
25340	60.7	13.6	18.3	25.7	16.1
25341	72.4	12.2	19.2	32.7	14.3
25342	69.0	-	-	32.0	18.5
25343	76.5	23.0	22.0	35.7	18.6
25344	69.8	11.5	19.0	31.1	21.2
25345	68.5	20.7	19.2	29.6	18.4
25346	72.3	15.2	20.3	32.3	17.2
25347	72.5	10.6	21.8	34.5	18.5
25348	74.6	19.0	22.0	32.2	15.4
25349	68.6	13.4	16.1	33.1	16.2
21340	64.0	18.4	16.5	28.8	14.5
21341	69.0	19.0	20.1	28.3	17.7
21342	69.0	15.6	19.8	29.0	17.9
21134	68.4	16.6	19.2	28.6	20.8
21135	69.0	16.0	20.4	39.4	19.7
21136	69.2	16.3	21.2	31.3	19.2
25350	76.5	11.0	17.5	33.0	16.3
25351	76.6	12.9	18.2	36.2	19.5
25352	74.0	13.2	17.8	33.8	20.1
25353	71.8	13.8	17.2	33.9	19.9
25354	71.0	12.0	15.0	31.5	-
23483	69.1	13.5	14.1	30.0	16.7
23485	71.5	14.5	14.3	34.2	19.3
23486	63.4	15.0	-	27.5	17.9
23473	65.8	13.4	16.7	27.9	-

Z.S.I.Reg. No.	Fa	Tl	E	Tb	F & Cl
18830	62.9	13.7	16.0	28.0	-
18831	78.3	18.5	16.9	35.9	-
18832	74.3	18.3	17.6	35.7	-
23472	73.0	17.3	16.0	32.4	-
23474	63.0	14.9	14.1	26.4	-
23475	61.0	13.6	14.8	24.1	-
23476	74.4	16.8	15.7	34.9	-
23477	71.8	18.4	17.3	30.6	-
23478	65.4	15.3	16.0	28.5	-
23479	66.5	16.8	13.8	29.1	-
23480	60.2	11.5	11.6	25.6	16.5
23481	75.3	10.8	17.5	33.7	17.5
23482	67.0	10.0	13.5	21.0	16.5
23484	74.5	13.5	16.5	32.7	17.3

*Measurements**Cranial*

Z.S.I.Reg.No.	l	cb	mtr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr
23472	34.7	30.9	12.2	6.4	9.2	7.0	9.2	19.7	14.7	25.0	13.2
23480	29.6	26.0	9.8	5.1	8.1	6.3	8.0	16.3	13.7	-	11.3
23481	36.4	33.9	13.3	7.5	9.7	7.7	9.1	23.2	15.3	26.6	14.8
23482	31.1	28.2	11.0	6.2	8.5	6.5	8.5	17.6	14.2	22.0	11.5
23484	34.2	31.5	12.8	6.3	9.3	6.8	9.2	20.0	19.6	25.2	13.9
23485	35.5	33.1	13.0	6.8	9.1	7.5	9.2	-	14.3	25.9	14.0
23486	-	29.1	-	-	-	7.0	-	18.8	14.1	28.4	14.0
23483	33.7	21.0	12.4	6.1	8.2	6.8	8.8	18.6	14.0	24.9	13.5
23473	32.7	29.6	11.8	6.2	9.0	6.5	9.1	-	14.3	23.3	13.1
18830	29.9	-	-	5.7	8.4	6.3	-	-	13.6	21.3	-
18831	37.2	34.8	13.3	7.2	9.1	7.5	9.2	21.9	14.5	27.3	14.6
18832	36.3	33.6	12.9	7.1	9.6	7.3	9.6	22.1	14.2	-	-
25350	37.2	34.5	13.1	7.4	9.1	7.3	8.6	22.4	15.4	26.4	14.5
25351	36.4	32.9	12.5	7.3	8.3	7.5	9.1	21.2	14.4	26.3	13.9
25352	36.6	33.4	13.1	7.0	9.2	7.3	9.1	21.9	15.0	26.2	15.1
25353	35.8	32.8	13.0	6.6	9.5	7.0	-	20.6	14.4	25.9	14.3
25354	35.1	32.4	13.0	6.3	8.7	6.6	8.8	19.2	14.4	25.0	13.9
21134	35.1	32.7	12.9	6.5	8.8	6.3	9.2	-	14.5	25.7	14.6

Z.S.I.Reg.No.	l	cb	mtr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr
21135	34.5	-	12.3	6.8	9.0	6.8	9.0	-	14.5	24.9	13.7
21136	35.0	32.4	12.4	7.0	8.6	6.7	9.3	21.7	14.9	25.7	14.0
21340	33.0	29.9	11.7	6.2	8.6	6.5	8.7	-	13.9	23.7	12.4
21342	36.0	32.4	12.4	6.7	8.5	7.0	9.0	21.0	14.5	25.8	14.1
25345	34.9	31.9	13.0	6.8	9.2	6.4	9.2	20.5	15.0	25.1	14.7
25346	34.7	-	12.4	6.5	9.3	7.3	9.2	20.5	14.8	24.0	14.0
25347	36.9	34.8	13.1	7.2	8.9	7.0	9.1	21.8	15.3	26.6	12.9
25348	35.6	33.3	11.7	7.2	8.3	6.8	8.5	21.4	15.0	25.6	12.5
25349	-	31.4	-	6.6	7.1	6.6	-	19.1	-	25.7	12.6
25342	35.1	32.7	-	7.3	8.5	7.2	-	22.2	15.0	25.6	13.3
25343	37.5	35.0	13.7	7.4	9.4	7.4	9.4	21.9	11.1	27.6	15.2
25344	-	31.4	-	7.1	9.4	7.0	-	21.8	15.0	25.0	13.5
10504	-	-	12.1	-	8.8	7.2	8.5	-	14.7	29.4	13.1
25339	-	-	10.8	6.2	9.2	6.7	9.0	20.4	15.4	24.0	13.2
25340	35.1	32.3	11.9	7.1	8.7	6.8	9.2	20.1	14.6	25.2	13.7
19778	-	-	-	-	8.6	7.3	-	19.7	14.5	25.2	14.0
19779	-	-	-	-	8.5	6.9	-	18.7	14.5	24.5	-
16773	34.6	32.2	12.5	6.6	8.3	6.3	8.0	-	14.5	25.2	13.7
24788	34.8	31.2	12.4	6.1	8.8	6.0	8.8	18.5	15.2	25.3	13.0
24789	35.2	32.3	12.6	6.1	9.2	6.5	8.8	18.4	14.5	25.4	13.4
24790	37.1	33.1	12.8	7.4	9.3	6.7	9.3	21.7	14.9	26.9	14.2

Remarks : In all important characters the specimens resembles to *Rousettus* excepting no claw to second digit.

Distribution : Andaman & Nicobar Islands, Andhra Pradesh, Arunachal Pradesh, Assam, Karnataka, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Uttar Pradesh, West Bengal.

Outside : China, Cambodia, Indonesia, Malaysia, Myanmar, Philippines, Thailand and many other adjacent Islands.

Genus *Macroglossus* F. Cuvier, 1824

25. *Macroglossus sobrinus sobrinus* (Andersen)

1911. *Macroglossus minimus sobrinus* Andersen, *Ann. Mag. nat. Hist.*, 7 : 642 (Gunong Igari, c. 610m., Perak, Peninsular Malaysia).

Common name : Greater Long-tongued Fruit Bat (Eng.).

Material available in the National Zoological Collection :

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25396	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh	S. Biswas 19 Dec. 1982.
25397	F	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh	S. Biswas 19 Dec. 1982.
25398	M	Skin and Skull,	Gibbon's Land, Namdapha, Tirap, Arunachal Pradesh	S. Biswas 20 Dec. 1982.
25399	F	Skin and Skull,	Miao, Tirap, Arunachal Pradesh.	S. Biswas 02 Dec. 1982.
25400	F	Skin and Skull,	124 Km.on Mv Road, Tirap, Arunachal Pradesh.	S. Biswas 15 Jan. 1985.
25401	M	Skin and Skull,	124 Km.on Mv Road, Tirap, Arunachal Pradesh.	S. Biswas 15 Jan. 1985.
25402	F	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 06 Dec. 1983.
25403	M	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 05 Dec. 1983.
25404	F	Skin and Skull,	Deban, Tirap, Arunachal Pradesh.	S. Biswas 05 Dec. 1983.
25405	F	Skin and Skull,	Gibbon's Land, Tirap, Arunachal Pradesh.	S. Biswas 30 Apr. 1981.
25406	M	Skin and Skull,	Gibbon's Land, Tirap, Arunachal Pradesh.	S. Biswas 29 Apr. 1981.
25407	F	Skin and Skull,	Miao, Tirap, Arunachal Pradesh.	S. Biswas 05 May 1981.
25408	F	Skin and Skull,	Hornbill, NE of Miao, Tirap, Arunachal Pradesh	S. Biswas 17 Dec. 1983.
22061	F	Skin and Skull,	Atiamochor, Koch-Bihar, West Bengal.	S. Chakraborty 03 Apr. 1986.
22062	M	Skin and Skull,	Atiamochor, Koch-Bihar, West Bengal.	S. Chakraborty 03 Apr. 1986.
25409	-	Skin and Skull,	Darjeeling, West Bengal.	F. Stoliczka - 1871.
19917	F	Skin and Skull,	Sitang River, Tenasserim, Myanmar.	Maj. Bredmore - 1858.
24718	F	Skin and Skull,	Pacharthal, North Dist., Tripura.	N. Majumdar 13 Jul. 1991.
24463	F	Skin and Skull,	Ngengpui (c.200m.), Chintuipui, Mizoram.	T.P. Bhattacharyya 12 Apr. 1995.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector Date of Collection
25410	M	Skin and Skull,	Umkiang, Jaintia Hills, Meghalaya.	A.K.Mandal 26 Nov 1988.
24432	M	Skin and Skull,	Ngengpui (c.200m.), Chimtuipui, Mizoram.	T.P.Bhattacharyya 08 Apr 1995.
24433	F	Skin and Skull,	Ngengpui (c.200m.), Chimtuipui, Mizoram.	T.P.Bhattacharyya 08 Apr 1995.

*Measurements**External*

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
25410	48.3	15.2	21.3	13.3
24463	46.1	14.5	18.7	10.3
24718	47.1	14.5	17.8	21.6
19917	47.0	12.0	17.9	11.0
22061	49.0	14.5	16.8	12.7
22062	47.4	16.6	18.4	13.4
25409	40.6	-	-	12.5
25408	46.9	16.3	20.3	11.8
25407	44.7	14.0	17.7	11.6
25406	44.0	16.0	17.1	12.0
25405	52.0	15.3	17.0	12.7
25404	44.5	13.5	14.8	11.0
25403	49.7	15.7	14.2	11.6
25402	43.1	14.4	18.2	10.5
25401	46.0	14.4	18.2	10.5
25400	46.1	14.4	13.8	11.2
25399	47.6	15.6	20.3	12.9
25398	43.2	14.1	17.7	12.0
25397	47.5	15.6	17.1	12.6
25396	46.0	16.4	13.3	11.0
24432	41.7	15.6	19.0	11.8
24433	41.7	15.8	18.2	11.2

Measurements**Carnial**

Z.S.I.Reg.No.	l	cb	mtr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr
25396	-	-	9.5	5.5	6.6	5.6	6.7	16.5	12.9	21.8	11.6
25397	29.9	26.1	9.7	5.4	6.5	5.2	7.1	15.2	11.8	22.5	10.4
25398	-	-	8.4	4.6	6.2	4.7	6.0	-	11.7	20.3	10.4
25399	30.4	27.1	9.7	5.0	6.6	4.9	6.4	15.2	11.8	22.6	11.0
25400	31.0	27.7	10.3	5.0	6.8	4.8	6.7	14.9	12.1	23.0	11.7
25402	28.5	25.2	9.1	4.7	6.4	5.0	6.3	14.3	12.0	20.7	10.2
25403	30.8	27.5	9.9	5.4	7.1	5.5	6.9	16.2	12.6	23.2	11.5
25405	-	26.9	10.2	5.3	6.4	5.2	6.5	14.8	12.2	22.8	11.7
25406	-	-	-	-	6.4	5.0	6.2	14.2	11.7	21.3	10.6
25407	29.5	-	9.4	4.9	5.8	4.7	6.3	14.3	12.2	21.7	11.1
25408	30.5	27.1	10.3	5.1	6.7	5.0	6.7	15.7	12.6	22.8	12.0
22061	30.3	26.3	10.2	5.4	6.3	5.8	6.8	15.6	12.6	22.6	11.5
22062	30.9	27.9	9.3	5.1	6.4	5.0	6.7	15.3	12.1	22.5	11.2
19917	-	-	9.9	5.3	7.2	5.5	6.7	-	-	-	11.2
24718	28.0	22.6	8.8	4.9	6.2	4.8	6.4	-	12.0	20.3	9.4
25410	30.3	27.0	9.8	5.5	6.6	5.0	6.4	16.2	12.1	22.0	10.9
24432	30.5	28.0	9.5	5.6	7.0	5.4	6.5	16.2	12.2	21.9	10.3
24433	29.1	27.5	9.9	4.9	6.2	5.0	6.7	14.0	11.9	21.8	10.4

Remarks : Tongue quite long with feathery tip. A small fruit bat with very long head. Tail rod like and short.

Ellerman & Morrison-Scott maintained *sobrinus* as a subspecies of *Macroglossus minimus*. Most of recent authors, however, consider *minimus* and *sobrinus* as distinct species.

Distribution : Arunachal Pradesh, Meghalaya, Mizoram, Tripura, West Bengal; Thailand to Sumatra, Myanmar, Nias Island, Krakatoa Island and Java.

Genus *Latidens* Thonglongya, 1972

26. *Latidens salimalii* Thonglongya, 1972

1972. *Latidens salimalii* Thonglongya. *J. Bombay nat. Hist. Soc.* **69** : 153.

Common name : Salim Ali's Fruit Bat.

Material available in the National Zoological Collection :

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
25411	F	Skin and Skull,	Banatirtham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	19 Sep. 1992.

Z.S.I. Reg. No.	Sex	Nature of Collection	Locality	Collector	Date of Collection
25412	F	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	17 Sep. 1992.
25413	F	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	19 Sep. 1992.
25414	F	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	19 Sep. 1992.
25415	F	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	19 Sep. 1992.
25416	F	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	18 Sep. 1992.
25417	F	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	17 Sep. 1992.
25418	M Young	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	18 Sep. 1992.
25419	F	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	15 Sep. 1992.
25420	F	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	18 Sep. 1992.
25421	F	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	19 Sep. 1992.
25422	F	Skin and Skull,	Banathirham(c.200m.),Tirunelveli-Kattabamman, Tamil Nadu.	S.S. Saha	17 Sep. 1992.

Measurements

External

Z.S.I.Reg.No.	Fa	E	Tb	F & Cl
25411	70.9	14.8	34.5	14.1
25412	65.7	15.4	31.3	13.6
25413	64.0	15.0	30.3	16.8
25414	69.4	14.7	33.7	15.8
25415	59.1	15.2	26.6	14.2
25416	65.8	15.8	30.4	15.3
25417	64.8	15.3	30.7	16.6
25418	59.2	14.1	27.5	14.7
25419	67.0	16.4	30.1	14.2
25420	68.0	17.6	32.5	15.4
25421	64.7	15.6	31.8	17.8
25422	67.0	17.0	32.4	15.0

Measurements**Cranial**

Z.S.I.Reg.No.	l	cb	mtr	c ^l -c ^l	rw	iw	m-m	zw	cw	ml	ltr
25411	34.3	31.7	11.6	6.5	10.9	7.5	11.1	21.8	13.9	24.2	13.1
25414	32.9	30.7	11.7	5.4	10.4	7.4	10.5	20.8	13.7	23.8	11.9
25419	33.7	31.1	11.5	5.5	10.7	7.2	10.5	20.5	14.4	23.5	12.4
25420	33.7	31.4	11.8	5.7	10.6	7.3	10.5	-	-	-	13.0
25422	32.8	30.3	11.2	5.9	10.0	7.2	10.4	20.3	14.0	23.0	12.0

Remarks : Salim Ali's Fruit Bat, *Latidens salimalii* Thonglongya was described in the year 1972 on the basis of a single specimen which was preserved for a long period in the collection of the Bombay Natural History Society. The specimen was wrongly identified as *Cynopterus sphinx* (Vahl). The mistake was detected by the author. The species and genus were known only by the HOLOTYPE collected from High Wavy Mountains, Madurai district, Tamil Nadu, India. After a long gap during faunistic exploration of Kalakkad-Mundanthurai Tiger Reserve in the year 1992, S.S.Saha, Retired Scientist, Zoological Survey of India, collected specimens of this Fruit Bat along with *Cynopterus sphinx* (Vahl) and *Rousettus leschenaulti* (Desmarest). The specimens of Salim Ali's Fruit Bat both as Dry and Wet are incorporated in the National Zoological Collection and are available in the Zoological Survey of India, Kolkata.

Distribution : India : Tamil Nadu.

SUMMARY

The present work (Part I - Megachiroptera) was done on the basis of the Registered specimens (both dry and wet) belonging to the suborder Megachiroptera as available in the National zoological Collection present in the Headquarters, Zoological Survey of India, Kolkata till date. This present work deals with altogether 26 species and subspecies of bats from India and Outside belonging to the suborder Megachiroptera, family Pteropodidae.

Measurements : For external and cranial measurements of the specimens, standard methods were followed and were expressed in Milimetres.

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