CATALOGUE OF HUMAN CRANIA IN THE UNITED STATES NATIONAL MUSEUM COLLECTIONS

By ALEŠ HRDLIČKA ¹

Curator, Division of Physical Anthropology, United States National Museum

In 1925, under the auspices of the Smithsonian Institution and the Buffalo Society of Natural Sciences, the writer made a seven-month journey to south Asia, Java, Australia, and South Africa.² One of the principal aims of this trip was to examine, by the instruments and methods used in measuring the American material that is being published in this catalogue, all the Australian, Tasmanian, and South African crania that could be located, so as to obtain uniform and as extensive as possible data on this rare material, and to get all possible further light on the problems of the racial status of the Tasmanians, Bushmen, and Hottentots.

In Australia was found a great deal more than was expected, and due to the kind cooperation of the Australian museums and departments of anatomy in Adelaide, Melbourne and Sydney, as well as that of scientific men outside of these establishments,³ it was possible to measure there nearly 1,000 crania identified as to locality, besides a small series of the skulls of Tasmanians. The data on the latter could later be supplemented, thanks to the courtesy of Sir Arthur Keith, by the writer's measurements on all the well-identified Tasmanian skulls in the Royal College of Surgeons, London.

The South African material was rather disappointing. An important part of the cranial collections at Cape Town had been sent some time previously to Switzerland, and at Johannesburg the anthropological collections are just starting. Nevertheless, in the Museum

¹ See also first section of this catalogue on the Mongolians, Eskimo, Aleuts, and Alaska Indians in the Proceedings of the U. S. National Museum, vol. 63, art. 12, published on March 14, 1924. A second section on the Algonkin and related Iroquois, Siouan, Caddoan, Salish and Sahaptin, Shoshonean, and Californian Indians, published in the Proceedings of the U. S. National Museum, vol. 69, art. 5, was issued on May 4, 1927.

² See *Smithsonian Explorations*, etc. in 1925, Wash., 1926, 58 *et seq.*

³ Cordial thanks of the writer are due particularly to: Dr. E. A. White, director of the Museum, Adelaide; Dr. J. A. Kershaw, curator of the National Museum, Melbourne; Dr. C. Anderson, director of the Australian Museum, Sydney; Professors of Anatomy R. J. A. Berry (Melbourne), F. Wood Jones (Adelaide), and A. N. Burkitt (Sydney); Drs. Herbert Basedow and R. H. Pülleine at Adelaide; and the United States consul general at Melbourne.

and the Anatomical Department at Cape Town there were found series of valuable specimens, which were measured.⁴

The measurements, together with those of the few crania from Australia in the possession of the United States National Museum, are given in this number of the catalogue, with such simple deductions as appear to be most obvious; the main object of this catalogue being not so much to discuss results as to present to anthropological workers anthropometric data obtained carefully, uniformly and by well-tested instruments, so that they may be utilized with due confidence for racial and especially variational studies.

The Australian data have been arranged on a geographical basis, and by the value of the cephalic index. A more detailed geographical subdivision would have been of little value, for some of the localities are hard to find on the maps, and do not represent different tribes; while for a tribal subdivision the information found with the specimens was mostly insufficient.

The utmost care was given to the identification of the sex, and whenever other parts of the skeleton were present they were consulted, unless the identification of the skull was plain. The sexing of the Australian skull is not always easy, some of the females closely resembling males, and the same applies, though for the opposite reason (some of the males presenting rather female characters), to the South African blacks. It is no wonder that some of the older sex identifications, particularly perhaps with the Tasmanians, were found to be erroneous.

No immature, deformed, abnormal, or mix-blood (so far as known, or where there was a justified suspicion) specimens were included.

In Australia considerable difficulty was encountered with the measurements of the face and the nose. There was a widespread habit among the people of that continent to knock out, on the advent of adolescence, from one to four of the front teeth, the result being more or less absorption of the alveolar process and loss of the alveolar-point landmark. With the nose, on the other hand, the difficulty lay in the peculiarity of the lower border of the aperture. In many cases there was found a double inferior border, a higher internal and a lower external one, with a depression (prenasal fossa) between; or there was but the higher border, the lower one being indistinct. The proper measurement of the nasal height, it was determined, is to the level of the upper border, which is also the level of the nasal floor. No other race presents such great difficulties in this region as the Australians (and Tasmanians), and it is practically certain that in some previous records on the Australian skulls the nasal height has been measured so that the results are not comparable with ours.

⁴ Thanks for kind aid in this task are due to Prof. M. R. Drennan, anatomist of the Cape Town University; the authorities of the Cape Town Museum; and to Prof. Raymond A. Dast, anatomist of the University of Johannesburg.

A large majority of the specimens here given have been measured or are reported upon for the first time. In other cases, especially with the Tasmanians, the crania have been worked over previously, in some instances more than once; but details and especially uniformity were generally lacking.

The measurement of cranial capacity could, regrettably, not be taken, due to lack of necessary apparatus. In estimating this it should be borne in mind that the Australian skull is on the average very perceptibly thicker than that of the white man.⁵

ABBREVIATIONS

- A. L. A.=Anatomical Laboratory, University of Adelaide.
 A. L. M.=Anatomical Laboratory, University of Melbourne.
 A. L. S.=Anatomical Laboratory, University of Sydney.
 A. M. S.=Australian Museum, Sydney.
 C. T. U.=Department of Anatomy, Cape Town University.
 N. M. M.=National Museum, Melbourne.
 R. C. S.=Royal College of Surgeons, London.
 S. A. M.=South African Museum, Cape Town.
 S. A. M. A.=South Australian Museum, Adelaide.

¹ About.	²³ Alveolar process in good condition.
² Teeth medium worn (more than moderate).	²⁴ Teeth in very good condition.
³ Not high.	²⁵ Front teeth slightly worn.
⁴ Teeth somewhat worn.	²⁶ Occiput somewhat compressed.
⁵ Near.	²⁷ Teeth nearly in good condition.
⁶ Right upper median incisor missing (knocked out).	²⁸ Vault not fully normal.
⁷ Teeth slightly worn.	²⁹ Right incisor knocked out.
⁸ Left upper median incisor missing (knocked out).	³⁰ Teeth very much worn.
⁹ Teeth in good condition (not worn or worn but very slightly).	³¹ Upper right incisors missing.
¹⁰ Teeth much worn.	³² Teeth lost.
¹¹ Teeth moderately worn.	³³ Right upper lateral incisor missing.
¹² Teeth medium worn.	³⁴ Zygomae very heavy.
¹³ Upper median incisors missing.	³⁵ All upper incisors missing.
¹⁴ Left lower median incisor missing.	³⁶ Left upper lateral incisor missing.
¹⁵ Teeth mostly lost.	³⁷ Very megaseme.
¹⁶ Moderately high.	³⁸ Rather low.
¹⁷ Right lower median incisor missing.	³⁹ Not exceptionally high.
¹⁸ Lower border distinct.	⁴⁰ No abscesses.
¹⁹ Right.	⁴¹ Right upper incisors missing (knocked out).
²⁰ Left.	⁴² Lower laterals broken.
²¹ Lower median incisors missing.	⁴³ Lower border nearly distinct.
²² Low.	⁴⁴ Both upper median and right upper lateral incisors missing.
	⁴⁵ Median incisors missing.

⁵ For efficient help in the preparation of the data for publication, with this as with the previous numbers of this catalogue, the author is indebted to Mr. Dale Stewart, aide in the Division of Physical Anthropology, United States National Museum.

AUSTRALIANS SOUTH AUSTRALIAN CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
b33	S. A. M. A.	Meningie.	Adult.	21.6	12.9	(13.6)	59.7	(79.1)	(16.03)			12.7			10.9	10.6
48	do.	Near Adelaide.	do.	19.6	12.4	13	63.3	81.2	15							10.2
H14	do.	Murray Bridge.	do.	19.4	12.3	13.1	63.4	82.9	14.93							10.9
297	do.	Swanport.	do.	20.1	12.8	12.2	63.7	74.4	15.03	2 12	7.5	14.2	84.5	52.8	11.4	10.9
B9	do.	Near Adelaide.	do.	19.7	12.6	(3)	64			4 11.4	6.4	12.8		50		10.4
256	do.	Fulham.	do.	19.7	12.8	12.3	65	75.9	14.93	4 11.6	6.8		85.9	52.6	10.6	10.4
444	do.	Near Morgan.	do.	19.7	12.8	13.4	65	82.7	15.3		6.7	13.5		41.3		10.1
329	do.	Swanport.	do.	18.7	12.2		65.2				6.9	13.8	81.2	50	10.5	10.6
321	do.	do.	do.	20.2	13.2	13.5	65.4	80.8	15.63		7.1		84.4	49.6	10.8	11
322	do.	do.	do.	19.7	12.9	13.8	65.5	84.7	15.47	4 11.2	7.4	13.4	88.1	55.2	10.6	10.4
372	do.	Fulham.	do.	19.2	12.6	13	65.6	81.8	14.93	7 11.4	7	13.6	83.8	51.2	11.3	10.9
cl367	do.	Adelaide.	do.	19.2	12.6	13.5	65.6	84.9	15.1	2 11.8	7.8					10.2
L	do.	Near Murray Bridge.	do.	19.2	12.6	13.2	65.7	79.9	15.77							10.7
dD	do.	Torren's Island.	do.	20.4	13.4	13.5	66	84.8	15.03							
104	do.	N. W. Bend.	do.	19.1	12.6	12.4	66	77	14.87		7.5	13.5		55.6		
300	do.	Swanport.	do.	19.4	12.8						6.4					10.6
cl1459	do.	Near Adelaide.	do.	18.8	12.4		66	76	15.73	4 10.3	6.7	13.7	80.9	48.9	11.8	10.2
40	A. L. A.	Bookabie.	do.	20.6	13.6	13	66	83.5	14.93	9 11	6.9	13.4	51.5	51.5	10.5	
382	S. A. M. A.	Sydenham, Torrens River.	do.	19	12.6	13.2	66.3									
C1	Dr. Campbell's.	"Extreme South"	do.	18.1	12	12.6	66.3	84	14.23		6.5	12.2		53.3	10.2	9.8
B6	S. A. M. A.	Coorong.	do.	19.7	13.1	12.5	66.5	76.2	15.1	7 11.9	7.7	13.3	89.5	57.9	11	10.5
260	do.	Swanport.	do.	19.5	13	12.4	66.7	76.5	14.97		6.7	14		47.9	11.2	10.8
335	do.	do.	do.	19.8	13.2	12.5	66.7	75.8	15.17	7 10.7	6.4	13.6	78.7	47.1	11.4	10
344	do.	do.	do.	19.8	13.2	13.7	66.7	83	15.57							
224	do.	Port Pirie.	do.	18.7	12.5	13.8	66.8	88.5	15		6.5	13		50	10.8	10.4
246	do.	Swanport.	do.	19.3	12.9	13.2	66.8	82	15.13		7.2	13.3		54.1	11.1	10.4
264	do.	do.	do.	18.7	12.5	13	66.8	83.3	14.73		6.9	12.8		53.9	10.1	10
31	A. L. A.	North West Bend.	do.	18.7	12.8	13.4	67	83.8	15.10		6.6	13.4		49.2	10.3	10.3
293	S. A. M. A.	Swanport.	do.	18.8	12.6	13.1	67	83.4	14.83	10 10.6	6.8	13.6	77.9	50	10.7	10.3
127	do.	Innamineka.	do.	18.9	12.7	13.2	67.2	83.5	14.93	11 11.6	6.7	13	89.2	53.8	10.2	9.9

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabelle ad maximum)	Diam. lateral maximum	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{b}\right)$	Facial Index, upper $\left(\frac{c}{b \times 100}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
156	S. A. M. A.	Milang	Adult	19.5	13.5	13.2	69.2	80	15.40	10 11.7	147	13.8	84.8	50.7	10.5	10.6
238	do.	Swanport	do.	18.5	12.8	12.9	69.2	82.7	14.73	10 10.4	6.2	13.9	74.8	44.6	11	10.6
295	do.	do.	do.	19.8	13.7	14	69.2	83.3	15.83	7 11.1	7	13.5	82.2	51.8	10.2	10.2
363	do.	Fulham	do.	20.1	13.9	12.8	69.2	75.3	15.60	7 12.1	7.2	12.9	86.8	51.9	10.7	10.3
* 35	A. L. A.	Glanville	do.	18.8	13	12.4	69.2	78	14.73	* 11.2	6.7	13.7	89	56.7	11.9	10.8
C ₄	Dr. Campbell's	Lower Murray River	do.	18.8	13	13.6	69.2	85.5	15.13	10 11.3	7.2	12.7	89	47.8	11.2	10.5
* 107	S. A. M. A.	Plympton	do.	17.6	12.2	12.8	69.3	85.9	14.20	10 11.3	6.5	13.6	89	47.8	11.2	10.2
161	do.	Morgan	do.	18.9	13.1	12.4	69.3	77.5	14.80	10 11.3	6.8	13.6	89	47.8	11.2	10.2
11	do.	Parallana	do.	19.3	13.4	12.8	69.4	78	15.17	10 11.3	6.8	13.6	89	47.8	11.2	10.2
168	do.	Clare	do.	19.6	13.6	12.9	69.4	77.7	15.37	10 11.3	6.8	13.6	89	47.8	11.2	10.2
86	do.	Coorong	do.	19.7	13.7	13	69.5	77.8	15.47	10 11.3	6.8	13.6	89	47.8	11.2	10.2
11	A. L. A.	do.	do.	19.4	13.2	12.5	69.5	77.6	14.90	10 11.3	6.8	13.6	89	47.8	11.2	10.2
233	S. A. M. A.	Swanport	do.	19.4	13.5	12.4	69.6	81.1	15.10	10 11.3	6.8	13.6	89	47.8	11.2	10.2
292	do.	do.	do.	19.4	13.5	13.3	69.6	81.1	15.40	10 11.3	6.8	13.6	89	47.8	11.2	10.2
355	do.	Fulham	do.	19.4	13.5	13.7	69.6	83.5	15.53	10 11.3	6.8	13.6	89	47.8	11.2	10.2
415	do.	Wood's Point, Murray River	do.	19.1	13.3	12.4	69.6	76.5	14.93	10 11.3	6.8	13.6	89	47.8	11.2	10.2
H ₆	do.	Coorong	do.	19.1	13.3	13.2	69.6	81.5	15.20	10 11.3	6.8	13.6	89	47.8	11.2	10.2
15, 897	N. M. M.	Tallem Bend	do.	19.4	13.5	13.4	69.6	81.7	15.43	10 11.3	6.8	13.6	89	47.8	11.2	10.2
398	S. A. M. A.	Near Moonta	do.	18.8	13.1	12.6	69.7	78.8	14.83	10 11.3	6.8	13.6	89	47.8	11.2	10.2
T ₁₁	do.	Swanport	do.	19.5	13.6	13	69.7	78.3	15.37	10 11.3	6.8	13.6	89	47.8	11.2	10.2
21	do.	Murray River	do.	19.5	13.6	14	69.7	84.3	15.70	10 11.3	6.8	13.6	89	47.8	11.2	10.2
138	do.	Port Adelaide	do.	18.9	13.2	13.1	69.8	81.9	15.07	10 11.3	6.8	13.6	89	47.8	11.2	10.2
270	do.	Swanport	do.	18.6	13	13	69.9	82.3	14.87	10 11.3	6.8	13.6	89	47.8	11.2	10.2
273	do.	do.	do.	18.6	13	13	69.9	82.3	14.87	10 11.3	6.8	13.6	89	47.8	11.2	10.2
H ₁	do.	Tallem Bend	do.	18.6	13	12.8	69.9	81	14.80	10 11.3	6.8	13.6	89	47.8	11.2	10.2
3	A. L. A.	Blinman	do.	18.6	13	13.2	69.9	82.5	14.93	10 11.3	6.8	13.6	89	47.8	11.2	10.2
304	S. A. M. A.	Swanport	do.	19	13.3	13	70	80.2	15.10	10 11.3	6.8	13.6	89	47.8	11.2	10.2
325	do.	do.	do.	19.3	13.5	14	70	85.4	15.60	10 11.3	6.8	13.6	89	47.8	11.2	10.2
A ₆	do.	Near Adelaide	do.	19.7	13.8	11.8	70.1	82.7	15.10	10 11.3	6.8	13.6	89	47.8	11.2	10.2
283	do.	Swanport	do.	18.4	12.9	12.9	70.1	82.4	15.53	10 11.3	6.8	13.6	89	47.8	11.2	10.2
204	do.	do.	do.	19.4	13.6	13.6	70.1	82.4	15.30	10 11.3	6.8	13.6	89	47.8	11.2	10.2
28	A. L. A.	Loxton	do.	19.4	13.6	12.9	70.2	78.4	14.63	10 11.3	6.8	13.6	89	47.8	11.2	10.2
H ₄	S. A. M. A.	Mypona Jetty	do.	18.8	13.2	11.9	70.2	74.4	14.63	10 11.3	6.8	13.6	89	47.8	11.2	10.2
22	do.	Yorke Peninsula	do.	18.6	13.1	12.6	70.4	79.8	14.77	10 11.3	6.8	13.6	89	47.8	11.2	10.2

1262	do	Swanport	do	18.6	13.1	12.6	70.4	79.8	14.77	7 11.2	6.7	13.4	88.6	50	10.3	9.8
435	do	Waikerie	do	19	13.4	13.4	70.5	82.7	15.27		7.2				10.6	10.6
105	do	North West Bend	do	18.7	13.2	13	70.6	81.2	14.97	10 11.9	7.7	12.5	95.2	61.6		
11, 407	do	Balaklava	do	18.4	13		70.6									
B7	do	Meningie	do	19.4	13.7		70.6									
28, 923	N. M. M.	Coorong	do	19.4	13.7	12.6	70.6	75.9	15.23		6.7	13.7		48.9	10.6	10.1
e 11, 416	S. A. M. A	Robe	do	18.8	13.5	13.6	70.7	85	15.33		6.4	13.8		46.4	10.4	10.6
4, 881	do		do	19.1	13.5	13.4	70.7	82.2	15.33	12	7.3	13.9	86.3	52.5	10.4	10.4
27	A. L. A.		do	18.8	13.3	13	70.7	81.2	15.03	7 10.7	6.4	13.6	78.7	47.1	9.8	10.1
119	S. A. M. A		do	19.2	13.6	13.4	70.8	81.7	15.40	7 12.1	7.3	13.2	91.7	55.8	10.4	10.4
250	S. A. M. A	Wallaroo	do	18.9	13.6	14	70.8	85.4	15.60		7.4	14		52.9	11.6	10.6
410	A. L. A.	Yorkie Peninsula	do	18.9	13.4	12.8	70.9	79	15.03		7.7	12.9		59.7	10.8	9.6
1368	do	Swanport	do	18.9	13.4	13.2	70.9	76.2	15.17	2 11.4	7.1		82.6	52.2	10.2	10.5
37	A. L. A.	Yorkie Peninsula	do	19.6	13.9	12.8	70.9	79	15.03	10 10.6	7.2	13.8			11.6	10.8
15955	N. M. M.	Near Adelaide	do	18.6	13.4	13.2	70.9	78.6	15.57	2 12.4	7.8	14.1	87.9	55.3	11.9	10.6
84	S. A. M. A	Cobdogla	do	20.3	14.4	13.8	70.9	79.3	16.17	10 11	7.6	14.2	89.4	50	12.6	11.5
192	do		do	18.6	13.2	13.5	71	84.3	15.07	11.8	7	13.2	89.4	53	10.4	10.3
163	do	St. Kilda	do	19.7	13.5	13.2	71.1	81.5	15.23		6.4	12.8		50	9.8	9.8
345	do	Coorong	do	18.4	13.1	13.6	71.1	81	15.77	4 11.2	6.9	14	80	49.3	10.9	10.5
369	do	Port Augusta	Near adult	18.4	13.1	13.5	71.2	84.8	14.97	10 12.2	7.8	13.8	88.4	56.5	11.2	10.6
11410	do	Swanport	do	19.8	14.1	13	71.2	85.4	15.00	9 11.4	6.9	13.3	85.7	51.9		10.5
A4	do	Adelaide	do	19.1	13.6	12.9	71.2	76.5	15.63	4 11.3	6.4	14.4	78.5	44.4	10.4	10.5
B3495	do		do	19.8	13.6	13.7	71.2	78.7	15.20		7.9	13.3		59.4	10.8	10.2
16567	A. M. S.	Near Adelaide	do	19.1	13.6	12.9	71.2	80.6	15.87	4 11.7	6.7	14	83.6	47.9	10.7	9.8
30	N. M. M.		do	18.8	13.4	12.8	71.3	79.5	15.00		6.9	13		53.1	10.3	10.2
236	do	Port Lincoln	do	18.8	13.4	12.8	71.3	79.5	15.00	2 10.8	6.8	14.2	76.1	47.9	10.3	10.2
254	S. A. M. A	Swanport	do	18.8	13.4	13	71.3	78.3	14.93		6.7	13.6		51.2		
257	do		do	18.8	13.4	13	71.3	80.8	15.07	7 12.3	6.7	13.9	88.5	51.8	10.4	9.8
570	do	Near Needles	do	19.6	14	13.3	71.4	79.2	15.63	(7)						9.8
H3	do	Near Adelaide	do	19.6	14	13.3	71.4	79.2	15.63		6.3	12.5		50.4	10.4	10.5
258	do	Swanport	do	18.6	13.3	13.2	71.5	82.5	15.03		6.8	13.3		51.1	9.8	9.7
H9	do		do	18.6	13.3	12.7	71.5	79.4	14.87	4 11.3	7.2	13.8	81.9	52.2	11	9.9
102	do	Meningie	do	19.7	13.6	13.6	71.6	83.4	15.40		6.3	13.6		46.3	10.1	10.2
309	do	Murray Bridge	do	18.4	13.2	13.6	71.6	78.7	15.70	10 11.1	7.1	13.9	79.9	51.1	10.1	10.6
16	do	Streaky Bay	do	18.4	13.2	11.8	71.7	86.1	15.07	11.4	6.9	13.5	84.4	51.1	11	10.4
35	do		do	18.4	13.2	12.2	71.7	74.7	14.47		6.7	13.4		50	9.9	9.9
157	do	Goolwa	do	18.4	13.2	13	71.7	82.3	14.87		6.5	13.9		46.8	10.7	10.4
288	do	Lake Albert	do	19.2	13.8	13.7	71.7	83	15.57	4 11.1	6.9	13.5	82.2	51.1	10.1	10
63	do	Swanport	do	18.6	13.4	13.1	71.9	78	15.60		6.7	14.1		49.6	10	10
155	do	Lake Alexandrina	do	18.6	13.4	12.1	71.9	76	14.70	7 11	6.7	13.5	78	47.5	11	9.9
396	do	Millang	do	18.6	13.4	13.1	72	75.6	14.70	4 12	7.1	13.1	91.6	54.2	10.1	9.4
3075	do	Coorong	do	18.6	13.4	12.6	72	78.8	14.87	2 11	6.9	14	78.6	49.3	10.6	10.1
S	do	Glenely	do	18.9	13.6		72			(18)		12.9				
28928	do	Coorong	do	18.2	13.1	12.6	72	80.8	14.63		7	14.1		49.6	10.4	10
231	N. M. M.		do	19	13.7	14	72.1	85.4	15.57		7.3				11	10.4
336	S. A. M. A		do	19	13.7	13.2	72.1	80.5	15.30	7 10.7	6	13.5	79.3	44.4	10.2	10
434	do	Swanport	do	19	13.7	13.6	72.1	82.9	15.43		7.1				11.6	10.5
H3	do	Waikerie	do	19	13.7	13	72.1	79.3	15.23							9.9
411	do	Murray Bridge	do	19.4	14	12.6	72.2	75.4	15.33	10 12	7.9	13.7	87.6	57.7		

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 14.

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maximum.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
418	S. A. M. A.	Woods Point	Adult	18.8	13.6	12.8	72.3	79	15.07	(16)	5.9	14.1	79.3	41.8	10.4	10.3
420	do	Meningie	do	18.8	13.6	12.8	72.3	79	15.07	11.1	7	14	79.3	50	10.4	10.3
120	do	Oodnadatta	do	18.5	13.4	13.3	72.4	83.1	15.07	13.1	8.1	13.4	97.8	60.4	11	10.8
287	do	Swanport	do	18.1	13.1	13.4	72.4	85.9	14.87	11.6	7.2	13.6	85.3	52.9	9.9	9.9
101	Dr. Campbell's	Eyres Peninsula	do	19.2	13.9	12.6	72.4	75.9	15.23	7 11.6	7.3	13.8	84.1	52.9	10.8	10
	S. A. M. A.	Plympton	do	18.9	13.7	13.4	72.5	80.7	15.33							10.4
	Dr. Campbell's	Yorke Peninsula	do	18.2	13.2	12.6	72.5	80.2	14.67							9.5
318	S. A. M. A.	Swanport	do	19	13.8	12.6	72.6	80.2	14.67							
389	do	Mingbool, S. E.	do	18.6	13.5	13.6	72.6	85	15.23	10.9.4	6 6.9	14	68.6	49.3	10	10
405	do	Tallem Bend	do	19	13.8	13.8	72.6	84.2	15.53		5.8	13.7		42.3	10.3	10.3
436	do	Waikerie	do	19	13.8	13.9	72.6	84.8	15.57		7.2	13.7		52.6	10.6	10.3
282	do	Swanport	do	18.7	13.6	12.7	72.7	78.4	15		6.9	13.5		51.1	10.3	10.2
24	A. L. A.	Port Elliot	do	18.3	13.3	12.9	72.7	81.6	14.83	11.2	7	14.3	83.9	49.6	10.8	10.6
232	S. A. M. A.	Murray Bridge	do	19.5	14.2	(16)	72.8									
28	do	Coorong	do	19.2	14	13.1	72.9	78.9	15.43	12.2	7.2	13.9	87.8	51.8	10.2	10
3079	do	Lake Bonnie	do	18.3	13.4	13	73.2	82.3	14.90		6.2	13.8		44.9	10	9.9
160	do	Morgan	do	18.7	13.7	13.4	73.3	82.7	15.27		7	14.1		49.6	10.8	10.9
208	do	North of Mount Eba	do	18.7	13.7	12.5	73.3	77.2	14.97	(9)	7.6	13.9		54.7	10.4	9.8
394	do	Coorong	do	18.7	13.7	12.2	73.3	76.3	14.87	10.7	6.2	13.9	77	44.6	10	9.5
29	do	do	do	18.8	13.8	12.4	73.4	76.1	15	11.3	6.8	13.6	83.1	50	10.4	10.2
226	do	Tallem Bend	do	18.4	13.5	13.3	73.4	83.1	15.07	11.4	6.8	13.7	83.2	49.6	10.5	10.4
A2	do	Near Eucla	do	18.4	13.5	12.9	73.4	80.6	14.93		7.2	12.8		56.2	10	9.8
Z	do	Lake Albert	do	18.2	13.4	13.2	73.6	83.5	14.93		(13)	13.8			10	10
114	do	Near Adelaide	do	19	14	13.4	73.7	81.2	15.47	7 11.3	6.9	13.9	81.3	49.6	10.7	10
395	Dr. Campbell's	Near Adelaide	Near adult	17.6	13	12.8	73.9	83.7	14.47		6.5	12.5		52	10.1	9.6
69	S. A. M. A.	Coorong	Adult	18.8	13.9	12.8	73.9	78	15.17	10 10.6	6.6	12.4	86.5	53.2	10.1	9.7
310	do	Murray River	do	18.6	13.8	13.6	74.2	84	15.33	11.3	6.6	13.9	81.3	47.5	9.6	9.5
	do	Swanport	do	19.6	14.6	13.8	74.5	80.7	16	10 11.1	6.8	14	79.3	48.6	11.1	10.4
C2	Dr. Campbell's	Lower Murray River	Near adult	17.7	13.2	12.6	74.6	81.8	14.50						10.4	9.8
1036	S. A. M. A.	Arrossan	Adult	18.8	14.1	13	75	79.3	15.30		7.1	14.7		48.3	10.8	10.2
4	Dr. Campbell's	Lower Murray River	do	17.4	13.2	12.1	75.9	79.1	14.23		6.6	12.7		52	10.3	9.6

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
r 425	S. A. M. A.	Cournamont.	do.	18.6	14.2	13.6	76.3	82.9	15.47	11.2	6.5	13.7	81.8	47.4	10.2	10
400	do.	Coorong	do.	18.8	14.4	13	76.6	78.3	15.40	11.7	17 7.4	14.1	83	52.5	10	10
Totals.				(128) 3,779.1	(197) 2,621.3	(186) 2,431.9	(197) 69.7	(186) 80.7	(186) 16.15	(101) 1,156.4	(169) 1,175.9	(161) 2,182.7	(97) 84.3	(127) 51.2	(156) 1,670.5	(132) 1,868.3
Averages				19.09	13.31	13.07	69.7	80.7	16.15	11.45	6.96	13.56	84.3	51.2	10.71	10.2
Minima				17.4	12	11.6	59.7	69.9	14.20	9.4	5.7	12.1	68.6	41.2	9.4	9.4
Maxima				21.6	14.6	14.3	76.6	88.5	16.17	13.7	86	14.7	102.2	61.9	11.9	11.5
Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
b 33	S. A. M. A.	Meningie	Adult	9.8	°	°		3.18	4.05	78.5	4.85	2.75	56.7			
48	do	Near Adelaide	do													
H14	do	Murray Bridge	do	10	67	51	3.5	3.7	3.9	94.9	18 5.05	2.85	56.4	6.5	6.7	103.1
297	do	Swanport.	do				3.4	19 3.4	10 3.9	87.2	4.55	2.65	58.2			
B9	do	Near Adelaide	do	9.5	67.5	49	3.5	19 3.6	19 4	90	4.55	2.9	63.7	6.2	6.7	108.1
256	do	Fulham.	do	9.6	68.5	58	3.8	20 3.3	20 3.7	84.6	4.1	2.7	55.7	6.1	7	114.8
444	do	Near Morgan	do													
329	do	Swanport.	do	9.2	67	49.5	3.3	20 2.9	20 3.7	78.4	4.1	2.4	58.5	5.9	6.6	111.9
321	do	do	do													
322	do	do	do	9.9	70.5	57	3.65	3.38	3.88	87.1	4.9	2.3	47.9	6	6.5	108.3
372	do	Fulham.	do	10.6				3.25	3.72	87.4	4.8	2.75	56.1	6.4	6.6	103.1
c 1367	do	Adelaide	do	9.2	68	49	3.6	3.48	4.15	82.8	5.2	2.8	95.8			
L	do	Murray Bridge	do	10	66	48	3.4	3.38	3.95	85.6	5	2.8	56			
d D	do	Torren's Island	do													
104	do	N. W. Bend	do	9.4												
300	do	Swanport.	do	10	66	50.5	3.8									
e 11459	do	Near Adelaide	do													
A. L. A.	do	Bookabee	do	9.8	63	32	3.3	3.65	3.75	97.3	4.85	2.6	53.6	6.5	6.9	106.2
382	S. A. M. A.	Sydenham, Torrens River	do	9.4	68	53.5	3.4	3.3	3.8	86.8	18 5.3	2.85	53.8	6.3	6.9	109.5
C1	Dr. Campbell's.	"Extreme South"	do	9	65	50		3.3	4.2	78.6	4.8	3.2	66.7	7.2	8	112.9
B6	S. A. M. A.	Coorong.	do	9.9	65.5	58	3.4	3.65	4.05	90.1	4.8	2.95	61.5	5.8	6.7	109.8
260	do	Swanport.	do	9.7	69	40	3.4	3.6	3.62	93.4	4.6	2.45	53.3	6.6	6.5	112.1
335	do	do	do	9.8	61	40		3.35	3.6	93	5.1	2.6	5	6.6	7.1	107.6
344	do	do	do					20 3.25	20 3.85	84.4	4.4	2.8	56	6.5	6.8	104.6
224	do	Port Pirie	do	9.7	69	54.5		3.1	3.65	84.9	4.45	2.5	56.2	6.3	7	111.1
246	do	Swanport.	do	9.6	65	48		3.22	3.9	82.6	4.85	2.8	57.7	6.5	6.8	104.6
264	do	do	do	9	69	55		3.18	3.85	82.6	18 4.8	2.4	50	6	6.3	105

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 14.

SOUTH AUSTRALIAN CRANIA—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
31	A. L. A.	North West Bend	Adult	9.4	71.5	45	---	3.12	4.08	76.5	4.9	2.85	58.2	5.9	6.5	110.2
293	S. A. M. A.	Swanport	do	9.6	68	52	3.5	3.3	3.78	87.3	18 4.9	2.6	53.1	6	6.6	110
127	do	Innamincka	do	8.9	67.5	50.5	---	3.68	4.15	88.7	4.8	2.65	55.2	16.3	6.8	107.9
302	do	Swanport	do	9.3	64	44	3.5	3.8	4.22	90.7	5.2	2.7	51.9	6.5	7.2	110.8
313	do	do	do	9.6	68	55.5	3.6	3.45	3.78	91.3	18 5.1	2.65	52	6	6.8	113.3
A1	do	Wellington	do	9.8	69.5	51.5	---	20 3.05	20 3.8	80.3	4.55	2.75	60.4	6.2	6.7	108.1
e 23	do	Mannum	do	9.9	72	58.5	4.1	3.3	4	82.5	5.8	3.1	53.4	6.5	8	123.1
339	do	Swanport	do	10	66	49	---	19 3.2	19 3.9	82	4.45	2.4	53.9	5.8	6.8	117.2
416	do	Wood's Point	do	9.2	72	51	2.8	20 3.55	20 3.8	93.4	18 4.75	2.65	55.8	6	6.5	108.3
e G	do	Mallala	do	9.3	60	45.5	3.6	3.3	3.82	86.4	4.8	2.65	55.2	6.3	7.2	114.3
16	do	Oodnadatta	do	9.6	64	51	3.5	3.2	3.95	81	4.9	2.9	59.2	6.4	6.9	107.8
36	A. L. A.	Umberatana	do	---	---	---	---	3.35	4.05	82.7	4.7	2.9	61.7	6.1	7	114.8
124	S. A. M. A.	Cooper Creek	do	8.6	---	---	---	3.28	3.98	82.4	18 4.3	2.25	52.3	6.2	6.9	111.3
234	do	Swanport	do	9.6	69	46	3.2	3.5	3.9	89.7	18 4.8	2.65	55.2	6.5	7.1	109.2
A5	do	Near Adelaide	do	9.6	63	38	3.3	3.35	3.75	89.3	4.6	2.8	60.9	---	---	---
373	do	Fulham	do	---	---	---	---	---	---	---	---	---	---	---	---	---
f H2	do	Myponga Jetty	do	9.3	67	46	3	3	3.52	85.2	4.9	2.5	51	5.9	6.5	110.2
e 26	Dr. Pulletne's	Tallem Bend	do	9.4	71	53	3.4	3.25	3.9	83.3	4.9	2.7	55.1	6.3	6.8	107.9
131	S. A. M. A.	Coorong	do	9.8	69	48.5	---	3.15	3.75	84	4.9	2.7	55.1	6.1	6.8	111.5
159	do	Tallem Bend	do	8.9	67	50.5	---	3.28	3.7	88.6	4.6	2.5	54.4	6	6.6	110
e 11, 458	do	Morgan	do	9.1	66.5	50	3.5	3.38	3.95	85.6	18 4.7	2.75	58.5	6.4	7.2	112.5
369	do	Near Adelaide	do	---	---	---	3.35	---	---	---	---	---	---	6.3	7	111.1
I	do	Fulham	do	---	---	---	---	---	---	---	---	---	---	---	---	---
116	do	do	do	---	---	---	---	---	---	---	---	---	---	---	---	---
225	do	Coorong	do	9	64	47.5	---	3.2	4.05	79	18 5.05	2.5	49.5	6.5	6.2	96.4
308	do	Marion	do	10	63.5	43.5	3.5	3.62	3.82	94.8	5.05	2.5	49.5	6.5	7.3	112.3
337	do	Swanport	do	9.2	64	40	3.6	3.32	3.88	85.6	18 4.6	2.75	59.8	6.5	6.5	100
e 11, 418	do	do	do	---	---	---	3.2	3.55	3.55	100	5.1	2.3	45.1	6.1	6.9	113.1
A 255	do	do	do	9.9	71.5	49	3.35	3.35	4.05	82.7	5.2	2.85	54.8	6.1	7.3	119.7
108	do	do	do	10.2	---	---	---	19 3.5	19 4	87.5	4.75	2.75	57.9	6.2	6.6	106.4
M	do	Walkerville	do	9.8	63.5	---	---	20 3.35	20 3.7	90.5	(18)	2.75	59.1	6.6	7	106.1
H3	do	Torren's Island	do	9.4	61	48	3.8	3.4	3.85	88.3	4.65	2.65	60.2	6.2	6.6	106.4
388	do	Murray Bridge	do	10	65.5	53	3.3	3.2	4.02	79.6	4.4	---	---	---	---	---
do	do	Mount Gambier	do	---	---	---	---	---	---	---	---	---	---	---	---	---

	A. L. A.	do.	10.1	66.5	57.5	3.8	3.58	4.05	88.5	18.5	2.9	51.8	6.7	7.2	107.5
6	A. L. A.	do.	9.6	72	52.5	3.5	3.75	3.9	96.2	5.3	2.8	52.8	6.4	7	109.4
311	S. A. M. A.	do.	9.4	75.5	56	3.68	3.68	4.1	89.8	5.1	2.4	47.1	5.7	6.4	112.3
112	do.	do.	10	65	56.5	---	3.5	20 3.8	92.1	5.05	2.8	55.4	6.6	7.1	107.6
162	do.	do.	9.6	66.5	47.5	---	3.3	3.8	86.8	4.95	2.55	51.5	6.1	6.9	113.1
237	do.	do.	10.3	64	48.5	---	3.12	3.8	82.1	4.7	2.6	55.3	6.8	7.1	104.4
384	do.	do.	9.4	73	60	---	3.05	3.7	82.4	4.8	2.35	49.2	5.9	6.6	111.9
4A	do.	do.	9.6	59	45	---	3.5	10 4.3	81.4	4.7	2.5	53.2	6.6	6.7	98.5
1N	do.	do.	9.8	63.5	50	---	2.98	3.65	81.6	5	2.7	54	6.4	6.8	103
C3	Dr. Campbell's	do.	9.4	68	50	---	3.28	3.9	84.1	4.8	2.9	60.4	6.5	6.7	103.1
80	S. A. M. A.	do.	9.7	62	47	3.7	3.65	10 4	91.2	4.8	2.7	54	6.4	6.7	103.1
298	do.	do.	9.4	74	63.5	3.4	3.25	3.68	88.3	4.15	2.45	59	---	---	---
H12	do.	do.	---	---	---	---	---	---	---	---	---	---	---	---	---
333	do.	do.	---	---	---	---	---	---	---	---	---	---	---	---	---
16, 566	N. M. M.	do.	---	---	---	---	---	---	---	---	---	---	---	---	---
99	S. A. M. A.	do.	---	---	---	---	---	---	---	---	---	---	---	---	---
315	do.	do.	9.8	63	52	---	3.45	3.85	89.6	4.75	2.85	60	6.1	7	114.8
11, 450	do.	do.	9.8	67.5	51	---	3.32	19 3.65	87.7	5.15	2.85	60.6	6.5	7.6	116.9
44	Dr. Basedow's	do.	9.5	67.5	45.5	3.9	3.48	3.88	85.6	5	2.7	52.4	6.1	6.9	113.1
156	S. A. M. A.	do.	9.2	69	51	---	3.25	3.85	90.4	4.7	2.6	52	6.4	7.2	112.5
238	do.	do.	9	---	---	3.7	3.5	3.9	87.8	5.1	2.55	50	6.1	6.7	109.8
295	do.	do.	9.6	74	53	3.1	3.18	3.82	83.2	4.7	2.75	58.5	5.6	7	125
363	do.	do.	9.8	68.5	53	3	3.48	3.8	91.6	5.15	2.5	51	6.3	6.6	104.8
35	A. L. A.	do.	9.4	69.5	61	3.5	3.2	3.8	88.8	5.15	2.95	57.3	6.1	6.9	113.1
107	do.	do.	9.4	68	40	3.4	3.42	3.85	85.6	4.6	2.7	51.9	6.2	6.7	108.1
161	Dr. Campbell's	do.	9.8	---	---	---	3.48	4	87	5.15	2.75	53.4	6.8	6.9	101.5
11	S. A. M. A.	do.	10.4	61	48.5	---	3.55	3.6	98.6	4.75	2.6	54.7	6.3	6.8	107.9
168	do.	do.	8.4	73.5	52	---	3.35	3.92	85.5	5.1	2.75	53.8	---	---	---
86	do.	do.	10.8	61	55	---	3.55	3.9	91	5.1	2.45	48	6.4	7	109.4
11	do.	do.	9.6	68	54	---	3.4	3.9	87.2	4.8	2.75	52.9	6.1	6.7	109.8
233	A. L. A.	do.	8.8	---	---	---	3.18	3.65	93.2	4.8	2.45	51	6.1	6.7	109.8
292	S. A. M. A.	do.	9.9	68	50	3.2	3.35	3.85	87	4.9	2.65	54.1	5.9	6.3	106.8
355	do.	do.	9.4	78	58.5	---	3.4	3.8	89.5	5.05	2.7	53.5	6.3	7	111.1
415	do.	do.	9.8	64	49	3.8	3.65	3.9	93.6	4.65	2.5	49	6.3	---	---
H6	do.	do.	9.3	68	58	---	3.2	20 3.7	86.5	4.8	2.65	57	6.2	6.7	108.1
15, 897	do.	do.	9.4	---	---	---	3.35	3.9	85.9	5	2.5	52.1	6.2	6.7	108.1
398	N. M. M.	do.	9.2	61	---	3.9	3.3	20 3.9	76.9	4.8	2.8	56	6.1	6.6	108.2
211	S. A. M. A.	do.	9.7	66.5	48	---	3.28	3.9	84.1	4.75	2.7	56.8	6.9	7.2	104.4
138	do.	do.	9.6	67	49.5	3.7	3.35	4.08	82.1	4.55	3.05	67	6.4	7.4	115.6
270	do.	do.	9.3	70.5	40.5	2.9	3.2	4.05	79	4.8	2.65	50	6.1	6.6	108.2
273	do.	do.	9.1	66.5	48	3.2	3.58	3.85	93	4.75	2.35	49.5	6.1	6.7	109.8
3	do.	do.	9	65.5	47	3.2	3.22	3.75	85.9	4.8	2.65	55.2	6.2	6.7	108.1
304	A. L. A.	do.	9.8	67	53	---	3.15	3.72	84.7	4.8	2.65	55.2	6.2	6.7	108.1
325	S. A. M. A.	do.	9.5	71	47	3.5	3.52	3.6	97.8	4.8	2.6	55.3	6.3	6.6	104.8
283	do.	do.	9.9	66.5	41	---	3.22	3.85	83.6	4.8	2.8	58.3	6.3	6.6	104.8
294	do.	do.	10	66.5	50	3.6	3.3	3.6	91.7	4.6	2.5	50	6.8	6.4	94.1
	do.	do.	---	---	---	3.6	3.65	3.85	94.8	4.6	2.75	59.8	6.5	7	107.7

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 14.

SOUTH AUSTRALIAN CRANIA—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
28	A. L. A.	Loxton	Adult	9.2	65.5	46°	---	3.45	4.1	84.2	13 4.95	2.85	57.6	6.3	7.1	112.7
H ₁	S. A. M. A.	Mypona Jetty	do	9.5	66	47	---	2.92	3.55	82.2	4.5	2.5	55.6	6.4	6.4	100
22	do	Yorke Peninsula	do	9.2	60	41	---	3.35	3.85	87	4.8	2.6	54.2	6.5	6.2	95.4
1262	do	Swanport	do	9	67	49	3.2	3.42	3.78	90.5	4.65	2.4	51.6	5.9	7.3	123.7
435	do	Waikerie	do	9.8	68.5	57	---	19 3.2	3.9	82	4.95	2.8	56.6	6.8	7.2	105.9
105	do	North West Bend	do	9	---	---	3.8	3.4	3.95	86.1	5	3	60	---	---	---
m 11407	do	Balaklava	do	---	---	---	---	20 3.4	3.7	91.9	13 4.75	2.4	50.5	6.4	6.4	100
B ₇	do	Meningie	do	---	---	---	---	---	---	---	---	---	---	---	---	---
28923	N. M. M.	Coorong	do	9.2	67.5	43	---	3.28	3.9	84.1	4.9	2.6	53.1	6.2	6.7	108.1
419	S. A. M. A.	Robe	do	9.6	74	60	---	3.2	3.62	88.4	13 4.65	2.6	56.9	5.8	7.2	124.1
e 11416	do	do	do	9.4	69.5	57	3.5	3.6	4	90	5.15	2.5	48.6	5.9	6.5	110.2
39	A. L. A.	Robe	do	8.9	74	56.5	2.9	3.35	3.98	84.2	13 4.65	2.5	53.8	5.7	6.8	119.3
e 4881	S. A. M. A.	do	do	9.4	69.5	58.5	3.2	3.28	3.7	88.6	5	2.55	51	5.9	6.7	112.6
27	S. A. L. A.	Wallaroo	do	10	63.5	49	---	3.4	3.9	87.2	13 4.8	2.7	56.2	6.8	7	102.9
119	S. A. M. A.	Yorke Peninsula	do	9.3	60	50	---	3.32	3.85	86.2	5	2.5	50	6.2	6.8	109.7
250	do	Swanport	do	9	72.5	50	---	19 3.3	3.75	88	13 5.2	2.5	48.1	6	6.9	115
410	do	Yorke Peninsula	do	10.3	64.5	51	3.4	3.22	3.98	80.9	5	2.75	55	6.6	6.8	103
e 1368	do	Near Adelaide	do	9.2	64.5	47	3	20 3.5	3.75	93.3	5	2.6	52	6.6	6.7	101.5
37	A. L. A.	Cobdogla	do	10.2	61	47	3.6	3.5	4.18	83.7	5.1	2.7	52.9	7.1	7.3	102.8
15955	N. M. M.	do	do	10.8	64	46	4.3	3.32	4.22	78.7	4.9	3.1	63.3	7	7	100
84	S. A. M. A.	St. Kilda	do	9.8	65.5	35.5	---	3.15	3.9	80.8	4.6	3	65.2	6.7	7.3	109
e 92	do	Coorong	do	8.8	69.5	65	---	3.4	3.8	89.5	5.2	2.6	50	---	---	---
163	do	Port Augusta	A doles- cent but all 3 molars erupted.	8.8	71	51	---	3.3	3.62	91.2	4.7	2.7	57.4	5.5	6.7	121.8
345	do	Swanport	Adult	9.6	68	50	3.3	3.28	3.9	84.1	4.75	2.8	59	6.3	7.1	112.7
e 369	do	Adelaide	do	9.8	65	49.5	aa 4.5	3.6	3.85	93.5	5.45	3.3	60.6	6.6	7.3	110.6
e 11410	do	do	do	9.2	---	---	3.4	3.52	3.95	89.1	5	3	60	6	6.9	115
A ₄	do	Near Adelaide	do	9.6	73	55.5	3.1	3.18	4.08	77.9	13 4.9	3	61.2	6.3	7.1	112.7
B3495	A. M. S.	do	do	9.4	64	53.5	---	3.3	4.2	78.6	4.9	2.8	57.1	6.1	6.8	111.5
16567	N. M. M.	do	do	9.1	64	42	4	28.8	3.85	74.8	4.55	2.75	60.4	6.6	7.4	112.1
30	S. A. M. A.	Port Lincoln	do	9.2	66.5	43.5	---	3.25	3.7	87.8	4.9	2.8	57.1	6.4	6.5	101.6

[illegible]

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 14.

SOUTH AUSTRALIAN CRANIA—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
310	S. A. M. A.	Swanport	Adult	9.7	66	45	3.4	3.35	3.85	87	18	2.65	55.2	6.5	6.5	100
C ₂	Dr. Campbell's	Lower Murray River	Near adult	9.4	66	45	---	3.4	3.68	92.4	4.8	2.7	56.2	6	6.9	115
1036	S. A. M. A.	Adrossan	Adult	9.3	66	45.5	---	3.52	3.85	91.4	4.95	2.55	51.6	6.3	6.7	106.4
4	Dr. Campbell's	Lower Murray River	do	9.2	65	54	---	3.38	3.45	98	4.6	2.55	55.4	6	6.3	105
r 425	S. A. M. A.	Cournamont	do	9.4	70	60	3	3.48	4.08	86.9	4.7	3.15	67	6	7.2	120
400	do	Coorong	do	8.6	68.5	51	3.5	3.58	3.8	94.2	5	2.65	53	5.9	7	118.6
Totals				(166) 1,565.4	(150)	(160)	(92) 316.5	(176) 589.22	(176) 680.38	(176) 854.45	(176) 469.6	(176) 2.67	(176) 55	(137) 981.9	(137) 1,072.25	(137) ---
Averages				9.43	67	50	3.44	3.55	3.86	86.8	4.85	2.67	55	6.25	6.83	109.3
Minima				8.4	59	31	2.8	2.6	3.52	65	4.1	2.2	45.1	5.5	6.1	94.1
Maxima				10.8	78	63.5	4.5	3.8	4.3	100	5.8	3.3	69.4	7.2	8	125

* No allowance made for wear in any case.

* Damaged.

* Whole skeleton.

* Some bones.

* Very short alveolar process.

* Skeleton indicates a small male.

* Very massive; parietal thick; about 6.8 mm.

* Damaged.

* Surely male.

* Basion gone; estimated from height to border of foramen magnum behind condyle.

* Both lower median incisors, both upper median incisors, and right upper lateral

incisor missing.

* Slightly female-like, but probably male.

* Part of skeleton.

* Base of auditory meatus line to bregma.

* All teeth lost in lower jaw. Right upper median incisor missing.

NOTE.—For footnotes to reference figures see p. 3.

* Supraorbital ridges and orbits look female-like, but surely male.

* Lower jaw female-like, but skull male.

* Massive.

* Lower jaw has very square chin.

* Nasal cavity proper; great prenasal fossae, but in the nose.

* Internal nose; external nose=5.15.

* Left=3.35; slight injury to bone over left orbit, but effect questionable.

* Lower jaw receding.

* To line of gutters=5.3.

* Round smooth tumor in palate; big hole.

* Very prognathic; lower jaw a trace receding.

* Lower jaw has no menton prominence; vertical when standing, sloping backward

when in position.

* Very thick alveolar process adjoining molars.

* Alveolar arch square in front.

NORTHERN TERRITORY CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{b}\right)$	Facial Index, upper $\left(\frac{c}{b \times 100}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
195	S. A. M. A.	Anson Bay	Adult	19.6	12.1	13.4	61.7	84.8	15.03	11.7	7.4	13.7	85.4	64	11.6	10.5
115	do	Tennant Creek	do	19.4	12.1	13.3	62.4	84.6	14.93	12.2	137.3	13.1	98.1	56.7	10.8	10.9
138	do	do	do	19.5	12.4	14.1	63.6	88.1	15.33	11.4	7.2	14	81.4	51.4	11	10.3
176	do	Anson Bay	do	18.2	11.6	13.4	62.7	89.3	14.40	10.6	6.3	13	81.6	48.6	10.8	10.5
79	do	MacDonnell Ranges	do	20	12.8	13.6	64	82.9	15.47	11.9	7.4	13.7	86.9	54	11	10.3
16115	N. M. M.	do	do	19.9	12.8	13.6	64.8	82.9	15.43	11.9	7.4	13.7	86.9	54	11	10.6
3080	S. A. M. A.	Melville Island	do	18.2	11.8	13	64.8	86.7	14.33	11.4	6.9	13	87.7	53.1	10.3	10.3
122	Dr. Basedow's	Arnhem Land	do	19.6	12.8	13	66.3	80.2	15.13	11.7	6.8	13.7	85.4	49.6	10.5	9.8
129	S. A. M. A.	Melville Island	do	19.5	12.8	14	65.6	86.4	15.43	11.3	7	13.8	81.9	50.7	10.9	10.3
181	do	do	do	18.4	12.1	13.7	66.8	90.1	14.73	10.9	6.4	12.7	81.3	47.8	10.6	10.4
18507	do	Anson Bay	do	18.8	12.4	13.4	66	85.9	14.87	11.5	7.1	12.7	90.6	55.9	10.8	10.4
16126	N. M. M.	do	do	18.7	12.4	13.9	66.8	89.1	15	11.5	6.4	13.5	90.6	47	10.8	10.4
135	do	do	do	19	12.6	13.1	66.3	82.9	14.90	11.5	6.4	13.6	85.8	51.8	10.6	11.1
136	S. A. M. A.	do	do	19.3	12.9	14.4	66.8	89.4	15.53	12.1	7.3	14.1	86.8	51.8	10.6	10.9
214	do	do	do	19.4	13	13.2	67	81.5	15.20	11.3	7.1	14.1	80.1	50.4	10.9	10.6
16377	N. M. M.	Barrooloola	do	20.6	13.8	14.4	67	88.7	16.27	11.3	113(7.7)	15	80.1	50.4	10.9	11.2
142	S. A. M. A.	do	do	18.2	12.2	13.5	67	88.8	14.63	11.5	7	13.6	85.8	52.2	10.9	10.6
428	do	Melville Island	do	18.3	12.3	13.5	67.2	88.2	14.70	11.5	7	13.4	85.8	52.2	10.9	10.7
130	do	do	do	18.6	12.5	13.5	67.2	87.2	14.90	11.8	7.3	12.6	93.6	57.9	9.8	9.9
194	do	Anson Bay	do	18.7	12.6	13.6	67.2	87.2	14.90	11.8	7.3	12.6	93.6	57.9	9.8	9.9
203	do	do	do	18.4	12.4	14.1	67.4	91.6	14.97	11.1	6.6	13.7	81	48.2	10.1	10.2
5	A. L. A.	do	do	18.7	12.6	13.2	67.4	84.5	14.83	11.1	6.9	13.6	81.6	50.7	11.4	10.6
16359	N. M. M.	do	do	18.7	12.6	13.4	67.4	85.9	14.90	11.5	6.9	12.7	90.6	54.3	9.6	10.4
191	S. A. M. A.	Anson Bay	do	18.6	12.6	13.2	67.7	84.6	14.80	10.9	6.7	13.8	79	49.6	11.1	10.7
56	do	do	Near adult	18.4	12.5	13.9	67.9	90.3	14.93	11.1	6.6	12.4	89.5	55.6	11	10.4
230	do	do	do	18.8	12.8	12.6	68.1	79.8	14.73	11.1	6.7	12.9	89.5	55.6	11	10.4
17083	do	Rosewood Downs	do	18.8	12.8	13.1	68.1	82.9	14.90	11.1	6.9	13.6	89.5	55.6	11	9.9
17083	N. M. M.	do	do	18.2	12.4	13.7	68.1	82.5	14.77	11.9	6.7	13.6	88.2	50.7	10	10.2
16132	do	do	do	18.2	12.4	13.7	68.1	82.5	14.77	11.9	6.7	13.5	88.2	50.7	10	10.3
28727	do	do	do	18.2	12.4	13.6	68.1	86.9	14.73	11.2	6.9	13.3	84.2	51.9	11.1	10.2
17084	do	East Alligator River	do	19.1	13	13.9	68.1	88.9	15.33	11.2	7.3	13.7	84.2	51.9	11.1	10.2
7	do	do	do	18.6	12.7	13.6	68.3	87.2	14.97	11.2	7.3	13.3	84.2	51.9	11.1	10.4
378	S. A. M. A.	Newcastle Waters	do	18.4	12.6	13.3	68.5	85.8	14.77	11.2	7.3	13.3	84.2	51.9	11.1	10.2
378	do	Melville Island	do	17.8	12.2	12.8	68.5	85.5	14.27	10.3	6.4	13.1	79.2	49.2	9.8	9.4

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 21.

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maximum.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
28732	N. M. M.	East Alligator River	Near adult	18.4	12.6	14	68.5	90.3	15	71.8	7.4	13.9	86.1	53.2	10.6	10.7
137	S. A. M. A.	do	do	18.9	13	13.2	68.8	82.5	15.03	71.8	7.2	13.7	82.6	52.6	11.2	10.5
207	do	Anson Bay	do	18.3	12.6	13.2	68.8	86.7	14.70	71.8	7.3	13.4	84.5	54.5	11.1	10.6
4 229	do	Melville Island	do	18.3	12.6	13	68.8	84.4	14.63	71.8	6.4	13.9	89.5	50.4	10.4	10
16370	N. M. M.	do	do	18.6	12.8	14	68.8	89.2	15.13	71.8	6.6	13.9	80.6	47.5	11.5	10.8
16108	do	do	do	18.6	12.8	13.4	68.8	85.4	14.93	71.8	7	13.6	89	51.2	10.9	10.1
16374	do	do	do	18	12.4	13.2	68.9	86.8	14.53	71.8	6.2	12.8	82.8	48.4	10.8	10.6
6	S. A. M. A.	Daly River	do	17.4	12	13.6	69	92.5	14.33	71.8	7	12.8	81.4	54.7	10.4	10
19488	N. M. M.	do	do	19	13.1	14	69	87.5	15.37	71.8	7.1	14	81.4	50.7	11	10.6
429	S. A. M. A.	Melville Island	do	19.1	13.2	14.4	69.1	88.9	15.57	71.8	6.9	13.8	83.3	50	11	10.4
16369	N. M. M.	do	do	17.8	12.3	14.2	69.1	94.7	14.77	71.8	7.1	13.6	86	52.3	11	10.6
134	S. A. M. A.	do	do	18.8	13	13.8	69.2	86.8	15.20	71.8	7.2	13.7	89.8	52.6	10.6	10.1
427	do	Melville Island	do	18.8	13	13.6	69.2	85.5	15.13	71.8	7.7	14.8	82.4	52	10.8	10.9
16123	N. M. M.	do	do	18.8	13	13.8	69.2	86.8	15.20	71.8	6	13.6	75.7	44.1	11	10.7
11443	S. A. M. A.	McArthur River	do	19.2	13.3	14.4	69.3	88.9	15.63	71.8	7.2	13.6	77.9	46.3	11.3	11
141	do	do	do	18	12.5	13	69.4	85.5	14.50	71.8	6.3	14.4	69.4	43.1	10.8	10.4
377	do	Melville Island	do	18.4	12.8	12.6	69.6	80.8	14.60	71.8	6.2	14.4	89.6	55.2	10.3	10.5
16122	N. M. M.	do	do	18.4	12.8	13.6	69.6	87.2	14.93	71.8	7.4	14.1	81.6	49.6	10.5	10.7
15958	do	Hassan River	do	18.8	13.1	14	69.7	87.5	15.30	71.8	7	14.4	79.9	48.6	10.6	10.1
62	S. A. M. A.	Borroloola	do	19.2	13.4	14.4	69.8	88.3	15.67	71.8	7	13.9	85.6	55.4	10.4	10.1
19489	N. M. M.	do	do	19.2	13.4	13.9	69.8	85.3	15.50	71.8	7.7	13.9	85.6	55.4	10.4	10.1
28719	do	East Alligator River	do	(18.6)	(13)	(13.2)	(69.9)	(83.5)	14.93	71.8	6.5	12.7	89	46.8	10.1	10.1
9	S. A. M. A.	Port Essington	do	18.3	12.8	13.4	70	85.9	14.83	71.8	6.7	12.3	89.4	52.8	9.7	9.8
152	do	do	do	18	12.6	13	70	85	14.53	71.8	6.6	12.3	89.4	52.8	10.3	9.9
184	do	Anson Bay	do	18.3	12.8	13.7	70	87.8	14.93	71.8	7	13.7	81	51.1	10.8	11
376	do	Melville Island	do	18	12.6	13	70	85	14.53	71.8	6.7	13.3	81.2	50.4	10.1	9.8
16105	N. M. M.	do	do	18.5	13	14.2	70.3	89.9	15.23	71.8	6.8	14	78.6	48.6	11.8	10.6
28722	do	East Alligator River	do	19	13.4	13.7	70.5	84.6	15.37	71.8	7.5	14	86.7	53.6	10.7	10.4
66	S. A. M. A.	Port Darwin	do	18	12.7	13	70.6	84.4	14.57	71.8	6.5	13.5	86.7	48.5	10.8	9.7
74	do	Bowen's Straits	do	18.4	13	13.9	70.6	88.5	15.10	71.8	6.9	13.5	86.7	48.5	10.8	10.2
186	do	Anson Bay	do	18	12.7	12.8	70.6	83.1	14.50	71.8	13 5.9	13.2	75	44.7	10.8	10.6
16116	N. M. M.	do	do	18.4	13	12.9	70.6	82.2	14.77	71.8	6.8	14	82.1	48.6	10.3	10.4
Q	S. A. M. A.	MacDonnell Ranges	do	18.8	13.3	13.3	70.7	86.9	15.33	71.8	7.1	13.9	84.9	51.1	9.6	10.2
16373	N. M. M.	do	do	18.8	13.3	13.9	70.7	86.9	15.33	71.8	7.1	13.9	84.9	51.1	9.6	10.2

140	S. A. M. A.	do	do	 
-----	-------------	----	----	 

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 21.

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim	Nasal Index	Palate, external Length (1)	Palate, external (b)	Palatal index $\left(\frac{b \times 100}{l}\right)$
195	S. A. M. A.	Anson Bay	Adult	10.2	62.5	50	3.7	3.15	3.75	84	5	2.75	55	6.8	6.9	101.5
115	do	Tennant Creek	do	9.6	(71)	(52)	---	3.75	4.1	91.5	5.2	2.95	56.7	6.4	6.7	104.7
138	do	do	do	9.6	65	48	---	3.42	3.7	92.4	5	2.8	56	6.7	7	104.5
176	do	Anson Bay	do	9.6	70.5	49.5	3.1	19 3.1	19 3.7	83.8	4.45	2.7	60.7	5.8	6.5	112.1
79	do	MacDonnell Ranges	do	9.4	---	---	---	3.5	4.2	83.8	4.65	2.6	55.9	---	---	---
16115	N. M. M.	do	do	9.9	67	58	3.5	3.2	3.7	86.5	4.95	2.7	54.6	6.4	7.3	114.1
3080	S. A. M. A.	Melville Island	do	9.2	70.5	51.5	3.2	3.12	3.8	82.1	5.05	2.7	53.5	6	6.8	113.3
122	Dr. Basedow's	Arnhem Land	do	9.4	65	54.5	3.8	3.18	4	79.5	4.7	2.65	56.4	6.2	6.5	104.8
129	S. A. M. A.	Melville Island	do	9.9	71.5	58	---	2.9	3.95	73.4	4.9	2.8	57.1	6.2	6.9	111.3
181	do	do	do	9.4	70	48	---	3.15	3.72	84.7	4.7	2.6	55.3	6.1	6.5	106.6
18507	do	Anson Bay	do	9.2	68	44	3.45	3.42	4.08	83.8	5	2.65	53	6.1	6.4	104.9
16126	N. M. M.	do	do	9.6	---	---	---	3.05	3.9	78.2	4.7	2.7	57.4	---	---	---
135	do	do	do	9.6	---	---	3.5	2.9	3.95	73.4	4.8	2.8	58.3	---	---	---
136	S. A. M. A.	do	do	9.4	72.5	54	---	3.45	4.1	84.2	5.1	2.65	52	6.1	6.3	103.3
214	do	do	do	9.6	68.5	51	---	3.28	3.95	73.6	4.95	2.75	55.6	6.5	7.2	110.8
16377	do	Borroloola	do	9.9	---	---	---	3.2	4.35	73.6	5.35	3	56.1	---	---	---
142	N. M. M.	do	do	9.9	---	---	---	3.25	3.9	83.3	18 5.25	2.85	54.3	---	---	---
428	S. A. M. A.	Melville Island	do	9.3	69.5	46	---	3.48	3.85	90.4	4.8	2.5	52.1	6.3	7.1	112.7
130	do	do	do	8.5	69	50.5	3.65	3.68	4.08	90.2	5.15	2.8	54.4	5.8	6.4	110.3
194	do	Anson Bay	do	9.8	72	75.5	---	3.5	3.78	92.6	4.6	2.6	56.5	6	6.3	105
203	do	do	do	9.8	65.5	51	3.5	3.05	3.75	81.3	4.85	2.75	57.3	6.5	6.8	104.6
5	A. L. A.	do	do	10.2	65.5	59	3.2	3	3.95	76	5.2	2.8	58.8	6.3	6.8	107.9
16359	N. M. M.	do	do	10.1	69	54.5	3.5	3.08	3.85	90.9	5.2	2.8	58.8	6.3	6.9	105.3
191	S. A. M. A.	Anson Bay	Near adult	9.8	66.5	53	3.2	3.55	3.7	95.9	4.7	2.5	53.2	6	6.8	113.3
56	do	do	Adult	9.6	68.5	69	---	3.05	3.9	78.2	4.8	2.3	47.9	6.6	7.3	110.6
230	do	Rosewood Downs	do	9	72	52.5	---	3.58	4.1	87.3	13 5.2	2.95	56.7	5.8	6.7	115.5
17083	N. M. M.	do	do	9.2	67	50	3.8	3.4	3.85	88.3	13 5.05	2.55	50.5	6.4	6.8	106.2
16132	do	do	do	9.4	64	40	3.4	3.3	3.85	85.7	4.85	2.6	53.6	6.4	6.6	103.1
28727	do	East Alligator River	do	9.6	66.5	49	---	3.65	4.05	90.1	5.2	3.05	58.6	6.4	6.9	107.8
17084	do	do	do	9.2	---	---	---	3.18	3.75	84.8	4.8	2.6	54.2	---	---	---
7	S. A. M. A.	Newcastle waters	do	9	---	---	---	3.72	4.15	80.6	4.9	2.85	58.2	---	---	---
378	do	Melville Island	do	8.8	67	56.5	3	3.12	3.68	84.8	4.3	2.6	60.5	5.9	6.3	106.8

	N. M. M.	do	9.4	70.5	52.5	3.7	4.1	90.2	5.3	2.8	52.8	6.3	6.6	104.8
28732	S. A. M. A.	do	10	65.5	52.5	3.4	3.65	93.2	5.05	2.3	46.9	6.3	7.4	117.5
137	do	do	9.8	67	52	3.5	3.8	92.1	5.05	2.8	55.4	6.4	6.9	107.8
207	do	do	9.3	68.5	50	2.85	3.58	79.6	13.4.7	2.9	61.7	6.1	6.6	108.2
• 16370	N. M. M.	do	10.2	67	41	3.4	3.95	80.5	13.5	2.95	59	6.2	7	112.9
16108	do	do	9.4	64.5	44.5	3.15	3.6	87.5	4.9	2.65	56.4	6.3	6.7	106.4
• 16374	do	do	9.7	71.5	47	3.15	3.75	82.2	18.4.7	2.65	54.1	5.8	6.5	112.1
6	S. A. M. A.	do	9	67	50	3.25	3.72	87.4	4.65	2.6	55.9	6.1	6.25	102.5
19488	N. M. M.	do	9.9	68	53.5	3.65	4.28	86.3	5.1	2.85	57.6	6.2	7.1	112.7
429	S. A. M. A.	do	9.6	67	45	3.4	4.08	83.3	4.95	2.85	57.6	6.3	7.1	114.5
• 16369	N. M. M.	do	9.6	67.5	46	3.45	3.9	88.5	18.5.1	2.7	52.9	6.3	6.5	103.2
• 134	S. A. M. A.	do	9.6	66	56	3.7	3.9	86.9	5.1	2.8	54.9	6.2	6.9	111.3
427	do	do	9.6	66	56	3.4	4.62	84.8	5.5	3	54.6	6.3	7.3	115.9
16123	N. M. M.	do	9.7	70	56	3.92	4.05	77.8	5.5	2.9	64.4	6.3	6.8	107.9
• 11443	S. A. M. A.	do	9.8	71	43.5	3.15	3.98	79.9	5.1	2.65	52	6.5	6.5	100
141	do	do	10	69	51	3.8	3.9	79.9	18.4.5	2.6	52.6	6	6.6	110
377	do	do	9.8	71	53.5	3.55	3.9	79.9	18.4.5	2.65	52	6	6.6	110
16122	N. M. M.	do	10	68.5	55	3.08	3.9	92.3	18.4.7	3.1	66	6	6.8	113.3
15958	do	do	9.8	68	59	3.6	3.9	92.3	18.5	2.65	52	6.2	6.9	111.3
62	S. A. M. A.	do	9.4	72.5	54	3.4	4	82	18.5	3.2	64	6.1	6.7	109.8
19489	N. M. M.	do	9.2	66.5	48	3.25	4	81.2	4.8	2.8	58.3	6.5	7.1	109.2
• 28719	do	do	9.2	66	56.5	3.7	4.05	91.4	18.5.05	2.45	48.5	6.3	6.8	107.9
152	S. A. M. A.	do	9.1	71.5	51	3.45	4.05	85.2	18.4.9	3.05	62.2	5.7	6.7	117.5
184	do	do	9.6	68	54.5	3.22	3.7	86.5	4.6	3	65.2	5.7	6.8	119.3
• 376	do	do	9.6	68	49	19.3.6	3.85	83.6	4.6	2.5	54.4	6	6.3	105
16105	N. M. M.	do	9.6	73	48.5	3.5	3.8	94.7	5.3	2.95	55.7	6.2	6.9	111.3
28722	do	do	9.2	68	52.5	3.25	3.9	83.3	4.7	2.8	59.6	5.8	6.1	105.2
66	S. A. M. A.	do	10.6	63	47.5	3.55	4.05	87.6	4.6	2.7	68.7	6.7	7.2	118
74	do	do	9.3	67	48.5	3.15	3.85	81.8	4.5	2.7	60	6.1	6.9	113.1
186	do	do	9.4	62.5	45	3.25	4	81.2	4.8	3	62.5	6.2	6.8	109.7
16116	N. M. M.	do	9.5	66.5	50	3.05	3.82	79.8	18.4.2	2.9	69	5.8	6.7	115.5
Q	S. A. M. A.	do	9.9	72.5	47.5	3.15	3.9	80.8	4.9	2.4	49	5.6	6.5	116.1
16379	N. M. M.	do	9	72	47.5	19.3	3.9	76.9	18.5.2	3	57.7	5.7	6.9	121
140	S. A. M. A.	do	8.4	74	50	3.4	3.9	87.2	4.4	2.55	58	6.1	6.7	109.8
78	do	do	9.4	72	55	2.98	3.78	78.8	5.1	2.7	52.9	5.8	6.4	110.3
202	do	do	8.7	70	52.5	3.35	3.92	85.4	5.15	2.8	54.4	6.3	6.4	101.6
9	A. L. A.	do	10.2	66.5	49	3.35	3.95	84.8	4.9	2.6	58.1	6.3	6.6	104.8
123	S. A. M. A.	do	9.4	70	48	3.08	3.95	76	18.4.45	2.65	59.6	1.5.9	6.5	110.2
8	do	do	9.4	70	48	3.08	3.85	80	4.9	2.65	54.1	6	6.4	106.7
• 211	do	do	8.8	71	45	3.5	3.9	89.7	4.55	2.55	56	6.3	7	111.1
16112	N. M. M.	do	9	68	50.5	3.1	3.85	80.5	4.55	2.7	51.9	6.7	6.9	103
• 16373	do	do	10.4	67	46	3.2	4.02	84.6	18.5.22	2.7	51.9	6.7	6.9	103
185	S. A. M. A.	do	9.6	67	46	3.3	3.85	83.1	4.65	2.9	62.4	5.9	6.4	108.5
10	A. L. A.	do	9.2	69	45	3.2	3.85	83.1	4.65	2.9	62.4	5.9	6.4	108.5
• 133	S. A. M. A.	do	9.2	70	61.5	3.35	3.98	79.3	5.3	2.85	58.2	5.9	7.1	120.3
17087	N. M. M.	do	10.2	64	53.5	3.42	3.9	87.7	5.3	2.55	48.1	6.5	6.2	95.4
A5114	A. M. S.	do	9.4	67	52.5	3.12	3.68	84.8	13.4.75	2.6	64.7	6.7	6.9	103
60	S. A. M. A.	do	9.2	69.5	49.5	3.42	4.15	82.4	5.05	3	59.4	6.2	7.1	114.5
• 77	do	do	8.8	69.5	49.5	3.22	3.7	83.3	18.5.1	2.75	63.9	6.7	6.7	106.4
	do	do	3.22	3.9	82.6	3.22	3.9	82.6	4.65	2.8	60.2	6.4	7.3	114.1
	do	do	3.58	4.2	85.2	3.58	4.2	85.2	4.7	2.8	59.6	6.8	7.2	105.9

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 21.

NORTHERN TERRITORY CRANIA—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{1}{b \times 100}\right)$
17081A	N. M. M.	Borrooloola	Adult	9.1	71	59	3.4	3.45	3.92	88	18 5.1	2.65	52.9	6	6.5	108.3
• 218	S. A. M. A.	Anson Bay	do	9				3.98	4.2	94.8	5.1	2.75	52.9			
205	do	do	do					3.35	3.92	85.5	5.15	2.85	55.3			
139	do	do	do	10.2	70	59.5		3.2	4.02	79.6	5.05	2.95	58.4	6.3	6.7	106.4
178	do	Anson Bay	do				3.6	3.55	3.88	91.5	18 5.05	2.6	51.5	6.1	6.4	104.9
16372	N. M. M.	do	do	9.4	68	52	3.2	3.68	3.95	98.2	4.9	2.95	60.2	6.2	6.3	101.6
16117	do	do	do	9.6	65.5	42	3	3.25	3.9	83.5	5	2.8	56	6.3	6.7	106.4
16127	do	do	do	10	69.5	50.5		3.28	3.82	85.9	4.7	3.1	66	6.4	7	109.4
• 28717	do	do	do	9.3	67	56	3.2	3.42	3.8	90	18 5	2.6	52	5.9	6.5	110.2
5	S. A. M. A.	East Alligator River	do					3.42	4	85.5	4.95	2.75	55.6	(32)	(32)	(32)
19487	N. M. M.	Charlotte Waters	do	9	72.5	52	3	3.45	3.8	90.8	5	2.8	56	5.8	6.8	117.2
43	A. L. A.	do	do	8.6	69.5	45.5	3.3	3.5	3.9	89.7	18 4.95	2.55	51.5	5.6	6.6	117.9
16125	N. M. M.	do	do	9.5	67.5	47	3.1	3.2	3.85	88.1	4.55	2.65	58.2	5.9	6.5	110.2
85	S. A. M. A.	Malay Bay	do	8.8	67.5	44.5		2.85	3.88	73.4	18 4.65	2.8	60.2	5.9	6.3	106.8
375	do	Melville Island	do				3.2	3.35	3.72	90	5.1	2.5	49	6	6.8	113.3
183	do	Anson Bay	do	9	71.5	50	3.2	3.08	3.8	81	4.35	2.25	51.7	6	6.5	108.5
16106	N. M. M.	Daly River	do	9.4	67	52.5	3.5	3.32	3.9	86.1	18 4.95	2.8	56.6	6.3	6.3	100
13033	do	Newcastle waters	do	9.6	64.5	46.5		3.42	3.98	85.9	4.65	3.15	67.7	5.9	6.9	117
55	S. A. M. A.	do	do	8.9	69.5	49.5		3.4	3.75	90.7	4.65	2.6	55.9	6	6.7	111.7
• 61	do	do	Near adult	9.6	70.5	53		3.38	3.92	86.2	4.7	2.8	59.6	6.2	6.6	106.4
72	do	Port Darwin	Adult	9.1	63.5	43		3.52	3.95	89.1	5.2	2.75	52.9	6.3	6.6	104.8
67	do	Victoria River	do	9.1				3.7	4.15	89.2	18 5.2	2.45	47.1	5.9	6.5	110.2
• 16367	N. M. M.	do	do	9.7	70	57	3.6	3.55	3.7	95.9	4.9	2.45	50	5.6	6.9	123.2
A5113	A. M. S.	Port Darwin	do	9	68	51		3.52	3.98	88.4	5.25	2.9	55.2	6.4	7	109.4
• P	S. A. M. A.	MacDonnell Ranges	do					3.52	3.98	88.4						
Totals	(101)			954.1	(90)		(54)	(107)	(107)	(107)	(106)	(106)	(106)	(92)	(96)	(96)
Averages				9.45	68.5	51	180.1	355.28	417.89	86.1	519.3	290.5	55.9	584.7	645.45	109.3
Minima				8.4	62.5	40	2.85	2.82	3.58	73.4	4.2	2.25	46.9	5.6	6	95.4
Maxima				10.6	74	69	3.8	3.98	4.62	95.9	5.5	3.2	69	6.8	7.4	123.2

- Colored with red ocher.
- 2 mm. discounted for crest.
- Face normal.
- Moderate intranasal shelves.
- Upper incisors broken out.
- Moderate intranasal shelves.
- Nasal border distinct.

- Prominent supramastoid crests—largest ever seen.
- Lateral incisors shovel shaped; medians show trace.
- Both upper and lower median incisors knocked out.
- Very heavy parietal (8-9 mm.).
- Very heavy parietal (7-9 mm.).
- Zygomatic processes very thick.
- Heavy, low type.

- Surely male.
- All teeth present.
- All stained red (ocher).
- Slightly femalelike, but male.
- Tribe Marra Nungga.
- Massive.
- Whole skeleton.

NOTE.—For footnotes to reference figures see p. 3.

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maximum.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
12909	N. M. M.	Loddon and Little Murray Rivers.	Adult	20.4	13.3	14.6	65.2	89.9	16.10	13.4	8.3	14.5	92.4	57.2	11.6	10.8
18333	do.	Lake Boga.	do.	20.1	13.2	14.7	65.7	88.6	16.10	12.4	7.8	14.2	87.3	54.9	11.1	10.7
16214	do.	Near Ararat.	do.	19.8	13.2	13.8	66.7	83.6	15.60	11.6	7.2	13.6	85.3	52.9	11.3	10.9
84	A. L. M.		do.	19.4	13.1	14	67.5	86.4	15.50		7.2	14.1		51.1	10.8	10.9
13305	N. M. M.		do.	20.3	13.7	13.5	67.5	79.4	15.83		7.1				11.3	11.2
12912	do.	Loddon and Little Murray Rivers.	do.	19.4	13.1	14.2	67.5	87.6	15.57		7	14.2		49.5	11.4	10.9
12994	do.	Near Swan Hill.	do.	19.1	12.9	13.7	67.5	85.6	15.23	11.3	6.5	13.3	85	48.9	10.8	10.4
22	A. L. M.		do.	19.8	13.4	14.2	67.7	85.5	15.80		7.5	13.9		64	11.3	10.9
13004	N. M. M.	Wannon River.	do.	19.3	13.1	13.4	67.9	82.7	15.27		7.2	13.3		54.1	10.7	10.7
12822	do.	Mortlake	do.	20	13.6	13.4	68	79.8	15.67		7.7	14.1		64.7	11.1	11
13010A	do.	Near Koondrook	do.	19.1	13	13.7	68.1	83.8	15.17	11.1	7.2	13.2	84.1	54.6	10.7	10.4
16212	do.	Warinambool.	do.	19.2	13.1	13.7	68.2	84.6	15.33		6.9	14		49.8	10.8	10.2
14319A	do.	Strathmarton.	do.	19.8	13.5	14.3	68.2	86.1	15.87	12.1	(13)	13.4		90.8		10.6
13007A	do.	Near Koondrook	do.	19.2	13.1	13.9	68.2	85.8	15.40	10.4	6.1	13.7	75.9	44.5	10.9	10.5
74	A. L. M.		do.	19.2	13.1	13.6	68.2	84	15.30		6.7	13.8		52.2	11.2	10.9
83	do.		do.	19.8	13.6	13.7	68.7	82	15.70		(13)	13.9				10.1
A10799	do.		do.	18.6	12.8	13	68.8	82.8	14.80		6.9	12.7		54.3	10.6	10
1245	A. M. S.	Port Fairy.	do.	20.8	14.3	13.2	68.8	75	16.10		7.1	14.8		48	11	10.5
13300	do.	Kerang.	do.	19.2	13.2	13.6	68.8	84	15.33		7	14.4		48.6	11	10.5
16229	N. M. M.	Torres Strait (?)	do.	19.1	13.2	13.8	69.1	85.2	15.37		7.5	13.8		54.4	11	10.4
12861	do.		do.	19.4	13.4	14.3	69.1	87.2	15.70	10.7	7.3	14	76.4	48.6	10.9	10.6
16215	do.	Kerung.	do.	18.8	13	13	69.2	81.8	14.93	11.7	7.2	13.6	86	53.7	11	10.7
13006A	do.	Numukkah.	do.	19.8	13.4	14.3	69.2	86.3	16	11.6	7.2	14.2	81.7	50.7	11.3	10.7
82	do.	Near Koondrook.	do.	19.8	13.7	14.5	69.2	83	15	11.3	6.9	12.7	89	54.9	9.8	9.7
16211A	A. L. M.		do.	18.8	13	13.2	69.2	87.8	15.70	11.2	7.3	14.5	77.2	50.3	11.3	11.1
12736	N. M. M.	Lake Boga.	do.	19.3	13.4	14.4	69.4	85.4	15	12.3	7.4	13.8	89.1	53.6	10.8	10.3
49	do.	Swan Hill.	do.	18.6	12.9	13.5	69.4	86.1	15.03	11.7	7.1	13.4	87.5	53	10.4	10.3
13034	N. M. M.	Near Wicliffe.	do.	19	13.2	12.8	69.6	85.7	15.33		7.1				10.4	10.3
48	A. L. M.		do.	19.4	13.5	13.5	69.6	78	15.23			14.4				10.6
14323	N. M. M.	Mortlake.	do.	19.5	13.6	14.3	69.7	86.1	15.80		7.2	14		61.4	10.7	10.7
13298	do.	Wimmera district	do.	19.2	13.4	13.9	69.8	85.3	15.50		7.3	13.4		54.5	10.4	10.1
18500	do.	Koondrook.	do.	18.6	13	13	69.9	82.3	14.87	9.6	6.1	13.7	70.1	44.5	10.9	9.8
12738	do.	Murrabit.	do.	18.6	13	13	69.9	82.3	14.87	10.9	7	13.8	79	50.7		

12964	do	do	 
-------	----	----	 

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 25.

VICTORIA CRANIA—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal index $\left(\frac{b}{l}\right)$
12909	N. M. M.	Loddon and Little Murray Rivers.	Adult	10.2	63	57	4.1	3.58	3.85	93	5.05	2.7	53.5	7	7.6	108.6
18333	do	Lake Boga	do	9.8	66.5	55.5	3.6	3.32	3.9	85.1	5.1	2.9	56.9	6.7	7.3	109
16214	do	Near Ararat	do	10.1	68.5	55.5	3.9	3.15	19 4	78.7	4.9	3	61.2	6.8	7.4	108.8
84	A. L. M.		do	9.6	72	54.5		3.58	3.8	94.2	5	3	60	6	6.7	111.7
13305	N. M. M.		do	10.1	71			19 3.2	19 4	80				6.3	6.9	109.5
12912	do	Loddon and Little Murray Rivers.	do	10	68	49.5		3.38	3.9	86.6	4.8	2.8	58.3	6.6	7	106.1
12994	do	Near Swan Hill	do	9.6	69	51.5	3.7	2.95	3.6	81.9	4.45	2.6	58.4	6.3	6.6	104.8
22	A. L. M.		do	10.3	68	61		3.22	3.92	82.2	5	2.95	59	6.5	6.6	101.5
13004	N. M. M.	Wannon River	do	9.6	70	56	3.7	3.35	3.68	91	5	3.05	61	6.1	6.7	109.8
12822	do	Mortlake	do	9.7	69	52					5.2	2.9	55.8	6.3	6.9	109.5
13010A	do	Near Koondrook	do	9.6	68	56	3.3	3.48	3.85	90.4	4.9	2.5	51	6.3	6.8	107.9
16212	do	Warinambool	do	9.7	66	55		3	3.8	78.9	4.8	2.8	58.3	6	7.4	123.3
14319A	do	Strathmarton	do	9.4			3.9	3.38	4	84.5	4.7	3.1	66			
13007A	do	Near Koondrook	do	9.9	70	52	3.2	2.95	4.05	72.8	4.4	2.7	61.4	5.9	7.2	122
74	A. L. M.		do	9.9	69	53.5		3.48	4	87	4.8	2.85	59.4	6.6	6.7	101.5
83	do		do	9.4				3.52	4.12	85.4	4.7	2.8	59.6			
A10799	A. M. S.	Port Fairy	do	9.4	66	52		2.98	3.58	83.2	4.8	2.85	59.4	6.3	6.6	104.8
1245	do		do	9.9	67	56		3.12	4.15	75.2	4.9	3.05	62.2	6.3	7.1	112.7
13300	N. M. M.	Kerung	do	9.6	67.5	47.5	3.5	2.98	3.78	78.8	4.9	2.9	59.2	6.5	7.6	116.9
16229	do	Torres Strait (?)	do	9.6	65	52		3.4	4.1	82.9	5	2.7	64	6.4	7.5	117.2
12861	do	Kerung	do	9.6	69.5	47	3.8	3.3	3.9	84.6	4.9	3.05	62.2	6.1	7	114.8
16215	do	Numutkah	do	9.5	68	45.5	3.7	3.15	3.8	82.9	4.5	2.85	54.8	6.2	6.8	109.7
13006A	do	Near Koondrook	do	9.9	66.5	49	3.35	3.15	3.95	79.8	4.5	2.75	55	6.6	7.1	107.6
82	A. L. M.		do	8.4	69	51	3.4	3.48	4.02	86.6	4.95	2.65	58.2	5.9	6	101.7
16211A	N. M. M.	Lake Boga	do	10.2	69.5	57	3.4	3.18	3.75	84.8	4.95	2.9	58.6	6.1	7	114.8
12736	N. M. M.	Swan Hill	do	9.4	63	49	3.9	3.5	4.02	87.1	5.1	2.6	51	6.7	7	104.5
49	A. L. M.		do	9.4	69.5	57.5	3.5	3.48	3.95	88.1	5.1	2.6	52	6.1	6.8	111.5
13034	N. M. M.	Near Wieliffe	do	9.4	69.5	56						2.55	50			
48	A. L. M.		do					19 3.35	19 4.15	80.7						
14323	N. M. M.	Mortlake	do	9.6	70.5	56.5		3.5	3.95	88.6	4.9	2.65	54.1	6.3	6.7	106.4
13298	do	Wimmera district	do	9.3	67	55		3.45	3.85	89.6	5.1	2.7	52.9	6	7	116.7
18500	do	Koondrook	do	9.7	63	46	3.2	3.08	3.82	80.6	4.35	2.3	69	6.2	6.8	109.7
12738	do	Murrabit	do				3.2	3.15	3.8	82.9	4.75	2.4	50.5	6	7	116.7

[illegible]

• Atypical.

• Premature occlusion of sagittal suture but no scaphocephaly.

c Whole skeleton.

4 Surely male.

• Fairly high.

Alveolar point absorbed: measurement was more.

was more.

^c Aberrant type, but full blood.

at full blood.

Scissors missing; left broken.

Large intranasal fossae.

i Asymmetrical.

Asymmetrical; medium intranasal shelves.

Asymmetrical; m

NEW SOUTH WALES CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maximum	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
433	S. A. M. A.	Moorna	Adult	20.3	13.1	13.1	64.5	79.9	15.33	11.7	7.2	14.2	82.4	50.7	11.1	10.6
• 25	do	Lake Victoria	do	20	12.9	13.1	64.5	80.4	15.70	13	7.4	13.8	94.2	53.6	11.1	10.7
792	A. L. S.	Tamworth	do	20.4	13.2	13.5	64.7	82.7	15.23	11.5	6.7	13.6	84.6	54.4	11.7	10.9
23316	N. M. M.	Lower Darling	do	19.6	12.7	13.4	64.8	82.7	15.23	11.3	6.4	13	86.9	49.2	10.9	10.4
• 17748	do	Euston	do	18.5	12.2	13.6	66	88.3	14.77	10.9	6.3	13	73.8	48.5		
• 4219	S. A. M. A.	Darling River	do	19.1	12.6	13.8	66	87.3	15.13	10.6						10
S1158	A. M. S.	Yabree, Gundagai	do	19	12.6	13	66.3	87.3	15.13							
11348	do		do	19.6	13	14.2	66.3	86.6	15.63	12	7	13.9	86.3	50.4	9.6	10.3
31	A. L. M.		do	19.6	13.1	13.1	66.8	84.2	15	12.5	6.7	13.7	91.2	55.5	10.8	10.2
1469	A. M. S.	Port Stepan	do	19	12.7	13.3	67.2	77.1	15.30		6.7	13.7	91.2	55.5	11.5	10.5
34	A. L. A.	Moorna	do	19.8	13.3	13	67.4	80.2	15.10	12.5	7.2	12.9	98.4		11	10.8
28922	N. M. M.		do	19.3	13	13.1	67.4	80.9	15.20	12.7	(*)	13.5	83.7	51.8	11.3	10.7
E16372	A. M. S.	Darling River	do	19.4	13.1	14.4	67.7	85.7	16.03	11.3	7	13.7	91.2	55.5	11.3	11.1
1308	A. L. S.	Sidney	do	20.1	13.6	14.4	67.7	85.7	16.03	11.3	7	13.7	91.2	55.5	11.3	10.5
S267	A. M. S.	Grafton	do	19.6	13.3	14.1	67.9	86	15.67	12.5	6.5	13.4	91.2	48.5	9.9	10.4
430	S. A. M. A.	Lake Victoria	do	18.8	12.8	13.3	68.1	84.2	14.97	(*)	6.5					
S1643	A. M. S.	Cronella	do	18.8	12.8	(*)	68.1	84.2	14.97		7.1					
• 1210	do		do	20.2	13.8	14.1	68.3	82.9	16.03		6.7				11	10.9
• S1650	do	Bogan	do	18.4	12.6	12.4	68.5	80	14.47		6.4	13.3		48.1	10.4	9.6
A11773	do	Cobar	do	18.6	12.8	13.4	68.8	85.4	14.93	11.7	7.2	12.4	94.4	58.1	9.8	9.6
113	S. A. M. A.	Rufus Creek	do	19	13.1	13.2	69	82.5	15.10		7.1	13.5		52.6	10.9	10.3
E13308	A. M. S.	Darling River	do	18.8	13	13	69.2	81.8	14.93	10.1	6.8	13.2		51.5	11	9.9
23	A. L. A.	Rufus Creek	do	18.9	13.1	13	69.3	81.2	15	11.3	6.7	14	80.7	50	10.3	10
• 38	S. A. M. A.	Tolarno	do	19.6	13.6	13.4	69.4	80.7	15.17		6.7	14	80.7	47.9	11.2	10.4
13424	N. M. M.	Denilquin	do	19.1	13.3	13.1	69.5	84.4	15.83	10.7	7.3	14	84.9	52.1	10.4	9.7
18	A. L. M.	Richmond River	do	19.7	13.3	13.1	69.6	80.9	15.17	10.7	6.5	12.6	84.9	51.6	10.4	10.4
S637	A. M. S.		do	19.8	13.8	13.4	69.7	79.8	15.67		6.9					11
21	A. L. M.		do	19.5	13.6	13.9	69.7	83.7	15.67	10.5	6.9	13.4	78.4	54.5	10.4	10.2
A46	A. M. S.	Cowra	do	18.6	13	13.4	69.9	84.8	15	11.6	6.8	13.5	85.9	50.4	11.3	10.2
• 24	S. A. M. A.	Lake Victoria	do	18.6	13	13.2	69.9	83.5	14.93	11.8	6.8	13.3	88.7	54.1	10.8	10.2
2356	A. L. S.	Near Sidney	do	18.6	13	13.2	69.9	83.5	14.93	11.8	6.8	13.3	88.7	54.1	10.7	10.3
16996	N. M. M.	Denilquin	do	19	13.3	13	70	80.2	15.10	10.8	6.5	13.3	81.2	48.9	11.1	10.4
• 36	A. L. A.	Moorna	do	18.4	12.9	12.9	70.1	82.7	14.73	10.8	7	13.2	81.2	48.9	10.7	10.3
12	A. L. A.		do	19.8	13.9	14.2	70.2	84.5	15.97							10.5
10	do		do	18.2	12.8	13.5	70.3	87.1	14.83		(*)	13.2			10.7	10.2

	S. A. M. A.	do	do	18.7	13.2	13.8	70.6	86.2	15.23	11.9	7	13.9	85.6	50.4	10.7	10.7
117	Moorna	do	do	18.7	13.2	13.8	70.6	86.2	15.23	11.9	7	13.9	85.6	50.4	10.7	10.7
118	do	do	do	18.7	13.2	13.8	70.6	86.2	15.23	11.9	7	13.9	85.6	50.4	10.7	10.7
794	Near Sidney	do	do	18.4	13	13	70.6	86.2	14.73	9.11	6.8	12	91.7	56.7	10.7	9.5
e A11969	Wellington Caves	do	do	18	12.8	12.8	71.1	83.1	14.80	9.11	6.7	13.4	84	50	10.4	9.5
k 477	Kyogle	do	do	19.4	13.9	13.4	71.6	80.7	14.53	11.8	6.8	13.1	83.1	51.9	9.7	9.6
706a	Nowoa	do	do	18.7	13.4	13.8	71.7	86.2	15.57	11.1	6.6	14.2	87.1	46.5	10.5	10.4
26	do	do	do	19.2	13.8	14.2	71.9	86.1	15.30	11.1	7.5	14.4	87.1	52.1	10.6	10.4
23	do	do	do	18.6	13.4	13.6	72	85	15.73	11.1	6.7	13.8	87.1	49.6	10.5	10.5
1238	Manning	do	do	18.6	13.4	13.6	72	85	15.20	11.1	6.7	13.8	87.1	49.6	10.5	10.5
132	Kinchea	do	do	17.9	12.9	13.4	72.1	85	15.20	11.1	6.7	13.8	87.1	49.6	10.5	10.5
12862	Riverina	do	do	19	13.7	13.8	72.1	85	15.20	11.1	6.7	13.8	87.1	49.6	10.5	10.5
S1611	Newcastle	do	do	18.3	13.2	12.9	72.1	85	15.20	11.1	6.7	13.8	87.1	49.6	10.5	10.5
S1609	do	do	do	19	13.7	13.8	72.1	85	15.20	11.1	6.7	13.8	87.1	49.6	10.5	10.5
2355	Near Sidney	do	do	18.8	13.6	13.6	72.8	85.8	15.17	11.5	6.6	13.3	87.1	51.5	10.1	10.1
S744	Merimbula	do	do	18.6	13.5	13.4	72.6	85.8	15.17	11.5	6.6	13.3	87.1	51.5	10.1	10.1
798	Bondi	do	do	18.9	13.8	13.6	73	82.9	15.43	11.5	6.6	13.3	87.1	51.5	10.1	10.1
37	Silverton	do	do	18.6	13.6	13	73.1	80.8	15.07	11.5	6.7	13.2	81.8	50.8	10.1	10.1
28919	do	do	do	18.2	13.4	13.2	73.6	83.5	14.93	11.4	7.5	13.5	84.4	55.6	10.1	10.3
S1610	Newcastle	do	do	18.6	13.7	14.7	73.7	90.7	15.67	11.7	33	13.8	84.8	50.7	10.6	10.5
795	do	do	do	19	14	13.6	73.7	82.4	15.53	11.7	6.6	13.5	84.8	50.7	10.4	10.3
1180	Shoalhaven	do	do	18.9	14	14	74.1	85.4	15.63	11.7	7.5	13.5	84.8	50.7	10.3	10.6
620	Port Jackson	do	do	18.6	13.9	13.4	74.7	82.7	15.30	11.7	7.5	13.5	84.8	50.7	10.3	10.6
616	Near Sidney	do	do	18.8	14.1	13.8	75	84.2	15.57	11.7	7.3	13.5	84.8	50.7	10.3	10.6
• 699	Port Jackson	do	do	17.6	13.5	13.4	76.7	85.9	14.83	11.7	7.3	13.5	84.8	50.7	10.3	10.6
Totals				(59) 1,121.1	(59) 783.2	(53) 713.3	(59) 69.9	(53) 83.4	(53) 15.25	(20) 332.6	(50) 348.6	(42) 565	(70) 85.2	(39) 51.4	(44) 455.5	(13) 545.6
Averages				19	13.27	13.46	69.9	83.4	15.25	11.47	6.97	13.45	85.2	51.4	10.58	10.29
Minima				17.6	12.2	12.3	64.5	76.9	14.47	9.6	6.2	12	73.8	46.5	9.6	9.5
Maxima				20.4	14.1	14.7	76.7	90.7	16.03	13	7.6	14.4	98.4	58.1	11.7	11.1

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 29.

NEW SOUTH WALES CRANIA—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
433	S. A. M. A.	Moorna.	Adult	9.6	61.5	49	3.65	3.22	4.25	75.8	4.65	3.15	67.7	6.6	7.5	113.6
• 25	do.	Lake Victoria.	do.	9.2	61.5	49	4.4	3.52	3.95	89.1	5.2	3.05	61			
792	A. L. S.	Tamworth.	do.	10.2	65	50	3.3	3.4	4.12	82.5	4.9	2.95	60.2	6.8	7.2	105.9
23316	N. M. M.	Lower Darling.	do.	9.9	68.5	53	3.5	2.9	4	72.5	4.6	2.75	59.8	6.5	6.8	104.6
• 17748	do.	Euston.	do.				3.05	3.32	3.9	85.1	4.45	2.75	61.7	6.4	6.8	106.2
• 219	S. A. M. A.	Darling River.	do.													
S1158	A. M. S.	Yabtree, Gundagai.	do.													
11348	do.		do.													
31	A. L. M.		do.	8.5	75	56.5	4	20 3.2	20 3.85	83.1	4.8	3.05	63.5	6	7.3	121.7
1469	A. M. S.	Port Stephan.	do.	9.5	66	55.5		20 3.25	20 3.9	83.8	4.55	2.7	59.4	6.5	7.2	110.8
34	A. L. A.	Moorna.	do.	9.8	63	45	4.05	3.55	4.15	85.5	5.15	2.65	51.4	7	7.1	101.4
28922	N. M. M.		do.	9.5	69	48		19 3.1	19 3.7	83.3	4.95	2.65	51	6.3	7.1	112.7
E16372	A. M. S.	Darling River.	do.	9.4			3.8	3.45	3.95	87.3	5.2	2.85	55.9			
1308	A. L. S.	Sidney.	do.	9.8	70	43.5	3.6	3.12	3.85	81	5.1	2.85	59.8	6.7	7.1	106
S267	A. M. S.	Grafton.	do.	9.8	64	46	3.65	3.78	4.1	92.2	5.35	3.2	57.1	6.4	7.1	110.9
430	S. A. M. A.	Lake Victoria.	do.	8.8	75.5	48	3	20 3.8	20 3.9	97.4	4.9	2.8	62.8			
S1643	A. M. S.	Cronella.	do.					20 3.25	20 3.6	90.3	4.55	2.4	62.8			
• 1210	do.		do.	9.8	70	49.5		20 3.6	20 4	90	5.4	2.95	54.6	6.6	7.3	110.6
• S1650	do.	Bogan.	do.	9.2	65	50.5		3.12	3.8	82.1	4.4	2.9	63.9	6	6.6	110
A11773	do.	Cobar.	do.	8.4	67	48	3.55	3.6	3.75	96	5.05	2.6	51.5	5.9	6.6	111.9
113	S. A. M. A.	Rufus Creek.	do.	9.4	66	45		3.45	3.95	87.3	5	3.05	61	6.4	7	109.4
E13308	A. M. S.	Darling River.	do.	9.6	62.5	47		3.15	3.8	82.9	4.6	2.6	56.5	6.4	6.9	107.8
23	A. L. A.	Rufus Creek.	do.	9	67.5	48.5	3.5	3.2	3.85	83.1	5	2.65	53	6	7	116.7
• 38	S. A. M. A.	Tolarno.	do.	9.9	65.5	51		3.15	3.95	79.7	4.45	2.6	58.4	6.4	6.6	103.1
13424	N. M. M.	Denilquin.	do.													
18	A. L. M.		do.	8.7	63.5	41.5		3.58	3.85	93	5.05	3.15	62.4	6.7	7.4	110.4
S637	A. M. S.	Richmond River.	do.	9.3	72	48	2.95	3.5	3.82	91.6	4.9	3.2	65.3	5.9	6.6	111.9
21	A. L. M.		do.	10.1			3.4	2.95	3.6	81.9	4.75	2.85	60			
A46	A. M. S.	Cowra.	do.	9.2	68	56	3.8	3.1	4.02	77.1	4.75	2.8	59	6.2	7.5	121
• 24	S. A. M. A.	Lake Victoria.	do.	9.8	63	47	3.7	3.18	3.85	82.6	4.5	2.6	57.8	6.6	6.7	101.5
2356	A. L. S.	Near Sidney.	do.	9.6	65.5	54	3.6	3.28	3.68	89.1	4.9	2.5	51	6.5	6.6	100
16996	N. M. M.	Denilquin.	do.	9.3	67	49		19 3.2	19 4	80	5.1	2.9	56.9			
• 36	A. L. A.	Moorna.	do.	9.8	67	48.5	3.6	3.25	3.88	83.8	4.5	3.1	68.9	6.6	6.6	100

[illegible]

Whole skeleton; very brutish looking.

^b Both upper median incisors broken.

• Surely male.

d Looks in full face somewhat femalelike, but is male.

- All upper incisors missing.

• All up
/ High.

High.
Camonerdy tribe.

Massive.

Massive.

Whole skeleton: small male.

Looks somewhat malelike, but not characteristic.

* No. 43 in catalogue of Eger. Weimar, 1911.

* No. 43 in catalogue of Eger, Weinma
i Zygomae tremendously developed.

Right upper median incisor missing: both lower median incisors missing.

Right upper median incisor missing; upper arch square in front. lower less.

- Upper arch square in front,
- Medium intranasal shelves.

^p Marked intranasal shelves.

NOTE.—For footnotes to reference figures see p 3.

QUEENSLAND CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maximum.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
15224	A. M. S.	Mapoon.	Adult.	18.4	11.8	13.2	64.1	87.4	14.47	4.12	7.4	13.1	91.9	56.5	10.8	10.4
15242	do.	Bathurst Head.	do.	19.2	12.5	14.1	65.1	89.2	15.27	2.11.2	6.8	13.6	82.4	50	10.9	10.6
15212	do.	McIvor River.	do.	18.7	12.3	14	65.8	90.3	15	11.2		12.8	87.5			10.6
10390	do.	do.	do.	19.9	13.2	14.1	66.3	84.9	15.73							10.3
15178	do.	Rockhampton.	do.	19	12.6	13.8	66.3	87.3	15.13	12.1	7.4	13.6	89	54.4	11.1	10.4
15222	do.	Mapoon.	do.	18.9	12.6	13	66.7	82.3	14.83	10.6	7.2	13.7	77.4	52.6	9.5	10.2
15214	do.	Rockhampton.	do.	18	12	13.2	66.7	88	14.40	7.11	6.4	13.2	83.3	48.5	10.1	9.8
15192	do.	Miriam Vale.	do.	19.8	13.2	13.6	66.7	82.4	15.53		7.2	13.4		63.7	10.1	10.4
15173	do.	North Keppel Island.	do.	19.6	13.1	13.2	66.8	80.5	15.30		7.1	14.1		49.6	10.8	10.4
15174	do.	do.	do.	19	12.8	13.6	67.4	85.6	15.13		7.1	13.7		51.8	10.8	10.3
15237	do.	Carandotta.	do.	18.9	12.8	13.4	67.7	84.8	15.03	4.10.6	6.6	13.4	79.1	49.2	10.7	9.8
15159	do.	Brisbane.	do.	19.4	13.2	14.4	68	88.3	15.67	9.11.8	6.9	14.4	81.9	47.9	10.7	10.6
15190	do.	South Keppel Island.	do.	18.8	12.8	13.2	68.1	83.5	14.93		6.6	13.5		49.6	10.5	9.8
10510	do.	Tinaroo Cairns.	do.	19.1	13	13.8	68.1	86.2	15.30		6.5	14.5	75.2	44.8	10.1	9.8
15223	do.	do.	do.	19	13	13.8	68.4	86.2	15.27	9.12.3	7.5	13.2	93.2	66.8	10.1	10.3
15170	do.	North Keppel Island.	do.	18.8	12.9	13	68.6	82.5	14.90	10.10.8	6.9	13.1	82.4	52.7	10.9	10.3
15216	do.	Cloncurry.	do.	18.8	12.9	13.6	68.6	86.1	15.10	4.11.5	(8)	13	88.5			9.8
13	A. L. M.	do.	do.	18.6	12.8	13.3	68.8	84.7	14.90		(8)					10.5
15168	do.	North Keppel Island.	do.	18.7	12.9	13.2	69	85.6	14.93	10.10.5	7	13	80.8	53.8	11	10.6
15189	A. M. S.	South Keppel Island.	do.	18.7	12.9	13	69	82.3	14.87		7.1	13.2		53.8	10.8	10.0
15161	do.	do.	do.	18.2	12.9	13	69.2	84.4	14.60	9.11.1	6.5	12.7	87.4	51.2	9.9	9.8
8	A. L. M.	do.	do.	19.5	13.5	14	69.2	84.8	15.67							10.4
15163	A. M. S.	Craiginduth.	do.	19.6	13.6	14	69.4	84.3	15.73	12.6	7.6	14.1	89.4	53.9	10.7	10.6
1145	do.	Brisbane.	do.	18.6	13	13.5	69.9	85.4	15.03		7	13.2		53	9.6	9.2
15181	do.	do.	do.	18.2	12.8	13.4	70.3	86.4	14.80	9.11.3	6.6	12.5	90.4	52.8	10.5	10.2
15171	do.	Brisbane.	do.	18.6	13.1	13.6	70.4	86.1	15.10		7				10.1	10.1
15201	do.	North Keppel Island.	do.	19	13.4	13.2	70.5	87.5	15.20	2.11.4	7.2	13.4	85.1	52.2	11.1	10.8
10283	do.	Yeppoon.	do.	18.6	13.2	13.4	71	84.3	15.07		7	14		51.4	10.2	10
15218	do.	West Queensland.	do.	18	12.8	13.6	71.1	88.3	14.80	2.10.6	6.6	13	81.5	50.8	10.8	9.8
15165	do.	Cairns.	do.	18.8	13.4	13.7	71.3	85.1	15.30	10.2	6.1	13.1	77.9	46.6	10.4	10.2
15186	do.	Yaamba.	do.	18.2	13	13.8	71.4	88.5	15	9.11.3	6.5	13.2	85.6	49.2	10	10.1
15221	do.	Marlborough.	do.	19	13.3	14	71.5	87.5	15.30							10.9
	do.	Cardwell.	do.	19	13.6	14.2	71.6	87.1	15.60			14.1				10.3

15184	do	Marlborough	do	18.5	13.3	13.9	71.9	87.4	15.23	7 12.8	7.6	13.2	97	57.6	10.4	10.1
1224	do	Rockhampton	do	18.9	13.6	15	72	92.6	15.83	6.4	34 14.5	14.5	---	44.1	10.5	10.6
E15156	do	Roxburgh Downs	do	18.2	13.1	12.9	72	82.7	15.73	11.8	7.3	13.4	88.1	54.5	10.6	9.7
1252	do	Rockhampton	do	19	13.8	13.2	72.6	80.5	15.33	11	6.4	14	78.6	45.7	10.9	10.5
16	A. L. M		do	18.7	13.6	13.9	72.7	85.8	15.40		(8)		---	---	---	10.4
A 15177	A. M. S	North Keppel Island	do	18.7	13.6	13	72.7	80.2	15.10	10.7	6.4	13.8	77.5	46.4	10.9	10.2
a 15239	do	Carrandofia	do	17.4	12.8	13.2	73.6	87.4	14.47	10.9	6.3	13.4	81.3	47	9.8	9.7
a 15234	do	Riversleigh	do	17.3	12.8	12.7	74	84.7	14.22	12.1	7.2	12.5	96.8	57.6	10	10
11	A. L. M		do	18.4	13.7	14.2	74.5	88.8	15.43	---	6.1	---	---	---	10.2	10.5
i 15183	A. M. S		do	18.6	13.9	14.4	74.7	88.9	15.63	12.9	7.6	13.6	94.8	55.9	10.7	11
1231	do	Cape York	do	19	14.2	14.4	74.7	86.8	15.87	11	(13)	13.7	---	---	---	10.5
12562	do	Dawson River	do	17.9	13.4	13.9	74.9	89.1	15.07	---	6.7	13.5	---	49.6	10.2	10.2
15199	do	Mount Morgan	do	18.3	13.8	14.2	75.4	88.8	15.43	---	6.7	13.5	---	49.6	10.6	10.3
i 15185	do	Marlborough	do	(18.2)	(13.8)	(13.6)	(75.8)	(86)	(15.20)	---	6.9	14	---	49.3	9.7	10.3
12	A. L. M		do	17.8	13.6	14	76.4	89.2	15.13	---	6.1	13.1	---	46.6	9.8	9.8
10506	A. M. S		do	17.8	13.6	13.2	76.4	84.1	14.87	10.9	6.2	13.3	83.2	46.6	10.3	10.1
231	A. L. S	Coast of Queensland	Just adult	18	13.8	13.4	76.7	84.3	15.07	10	7.3	14.5	75.2	46.6	10.3	10.6
26 15164	A. M. S	Glenroy	Adult	(17.7)	(13.7)	(14.5)	(77.4)	(92.4)	(15.30)	11.9	82.1	---	82.1	50.3	11	10.1
i 26 15157	do		do	(17.4)	(14.1)	(14.6)	(81)	(92.4)	(15.37)	11.2	6.6	12.7	88.2	52	10.1	10.1
Totals	{			(19)	(19)	(19)	(19)	(19)	(19)	(33)	(42)	(44)	(8)	(40)	(42)	(35)
Averages				914.7	643.2	667.4	---	---	---	362.2	287.5	592.3	---	---	437.4	531
Minima				18.67	13.13	13.62	70.3	85.7	15.14	11.32	6.84	13.46	84.8	50.9	10.41	10.21
Maxima				17.3	11.8	12.7	64.1	80.2	14.27	10	6.1	12.5	75.2	44.1	9.2	9.2
				19.9	14.2	15	76.7	92.6	15.87	12.9	7.6	14.5	97	57.6	11.1	11

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 33.

	do	Cardwell	9.1	67	49	3.75	8.3	p 3.85	85.7	4.95	3.05	61.6	6.1	6.6	108.2
15221	do	Marlborough	9	73.5	55	---	3.58	3.8	94.2	5.35	2.65	49.5	6	7.3	121.7
15184	do	Roxhampton	9.5	63	50.5	---	3.25	4	89.5	4.6	2.45	60.9	6.3	7.2	114.8
E15156	do	Rockburgh Downs	9.2	69	44	3.4	3.4	3.8	81	5.1	3.2	62.8	6.3	6.9	109.5
" 15252	do	Rockhampton	9.9	69	44	3.4	3.2	3.95	81	4.75	3.25	53.7	6.2	7.2	116.1
16	A. L. M.	North Keppel Island	9.8	66.5	48.5	---	3.3	3.95	83.6	4.7	2.7	57.4	5.8	6.7	115.5
A 15177	A. M. S.	Carrandotta	8.7	70.5	47.5	3.05	19 3.2	3.7	79.7	4.75	2.6	54.7	5.8	6.1	105.2
a 15239	do	Riversleigh	8.2	74.5	55.5	3.5	19 3.7	19 4	80	5.25	2.7	51.4	5.8	6.5	114
a 15234	do	---	8.6	75.5	47	---	3.22	3.98	80.9	4.55	2.7	59.4	5.8	6.8	117.2
11	A. L. M.	---	9.6	72	52.5	3.3	3.52	3.8	81.6	5.75	3.1	53.9	6.1	7.1	116.4
i 15183	A. M. S.	Cape York	8.8	---	---	---	3.48	3.8	77.6	5.4	2.5	55	---	---	---
1231	do	Dawson River	8.6	71	46.5	3.6	2.95	3.8	81.2	4.55	2.5	58.5	5.8	6.9	119.9
12562	do	Mount Morgan	8.8	66.5	45.5	---	3.25	4	73.9	18 4.7	2.75	58.5	6.3	7.1	112.7
15199	do	Marlborough	9.2	75	57	---	2.92	3.95	85.2	4.85	2.9	59.8	5.5	6.7	121.8
i 15185	do	---	8.8	72	56.5	---	3.58	4.2	83.2	5.15	2.65	61.6	5.7	6.3	110.5
12	A. L. M.	---	8.9	70.5	45	3.5	3.45	3.7	86.8	4.3	2.7	62.8	5.8	6.95	119.8
10506	A. M. S.	Just adult.	9	67.5	49	2.95	3.3	3.8	85.4	18 4.5	2.65	58.9	6.6	7.2	109.1
231	A. L. S.	Glenroy	9.6	71	56	3.3	3.35	3.92	87.4	5.1	2.9	56.9	6	6.8	113.8
as 15164	A. M. S.	---	9.1	---	---	3.3	3.32	3.8	---	4.65	2.45	---	---	---	---
as 15157	do	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	(49) 450.8	(41) ---	(33) 110.75	(51) 170.69	(51) 197.36	(51) 86.6	(19) 238.2	(49) 134.55	(41) 245.8	(41) 277.95	(41) 277.95	(41) 277.95	(41) 277.95
Averages	---	---	9.2	69	50	3.56	3.55	3.87	86.6	4.86	2.75	56.6	6	6.78	113
Minima	---	---	8.2	63	33	2.7	2.92	3.65	73.9	3.8	2.3	48	5.5	6	100
Maxima	---	---	9.9	75.5	57	4.1	3.7	4.2	95.5	5.75	3.35	75	6.6	7.4	124.6

^a Surely male.

^b Pronounced medio-frontal ridge; whole skull low in type; surely male.

* Nose looks full-blood, but type differs from the usual; giabella and ridges as in other races, not as typical among Australians.

^d Yerrandali tribe. Surely male.

* Neanderthaloid front; great palate, appears about largest ever seen in man (in breadth). Lower jaw in position a trace of slope backwards—only trace of chin prominence. Lower right molars = 3.6 (or 3.7); first missing (estimated); fourth molars, upper, both sides, good size, impacted. True palate is very spacious.

s Lower jaw low, but fairly strong; positively male.

* Alveolus for right upper median incisors is double (slightly hour-glass shaped); a supernumerary (smaller than any molar) externally between first and second left upper molars and a similar one behind right upper third molar.

^a Somewhat female-like, but zygomae and molars are large; mastoids decidedly male-like; palate and base male.

J. Died in Normanton Hospital.

Kunggari tribe.

Medium intranasal shelves.

! Weakest lower jaw ever seen in male (no doubt about sex); alveolar process of lower jaw largely absorbed but fairly preserved in front; appears perfect fit with skull.

Exostosis of left subnasal border.

Subnasal fossae.

Asymmetrical.

Inter-dacryon breadth=3.1.

NOTE.—For footnotes to reference figures see p. 3.

WEST AUSTRALIAN CRANIA
MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
54	S. A. M. A.	Eucla	Adult	18.5	12.2	13.1	66.8	84.4	14.57	11.6	6.6	13.6	87.2	48.5	10.4	9.7
57	do	do	do	18.7	12.4	13.1	66.8	84.4	14.73	11.6	7.3	13.3	87.2	54.9	10.9	10.1
4	do	Cygnet Bay	do	18.5	12.8	13.2	69.2	84.6	14.83	10.4	7.3	13.3	78.2	54.9	10.9	10.4
166	do	Eucla	do	19.4	13.5	13.2	69.6	80.5	15.37	11.6	7.2	13.8	84.1	52.2	10.7	10.2
	Dr. Basedow's	North Kimberley	do	18.7	13.5	12	72.2	74.5	14.73		(8)	13.6				10
2	A. L. M.	do	do	19.4	14.2	13.8	73.1	82.1	15.80							11
2	do	do	do	18.2	13.3	13.6	73.2	86.1	15.03	12	7.7	13.1	91.6	58.8	10.1	10
1	S. A. M. A.	do	do	17.7	13.1	12.6	74.5	81.8	14.47	11.7	6.8	12.8	91.4	53.1	10	9.2
4	A. L. M.	Cygnet Bay	do	18.8	14	13.6	74.5	82.9	15.47		6.9	14.4		47.9	10.6	10.8
a 3	do	do	do	18.1	13.5	13.8	74.6	87.3	15.13		7.3	14.2		51.4	11	10.7
Totals				(10) 186	(10) 132.5	(10) 131.9	(10) 71.2	(10) 82.8	(10) 15.01	(5) 57.3	(7) 49.8	(9) 122.1	(6) 86.4	(7) 52.3	(7) 73.7	(10) 102.1
Averages				18.6	13.25	13.19	71.2	82.8	15.01	11.46	7.11	13.57	86.4	52.3	10.53	10.21

Catalogue No.	Collection	Locality	Approximate age of subject	Basion Subnasal Pt	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth, maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{1}{b \times 100}\right)$
54	S. A. M. A.	Eucia	Adult	9.1	65	50	---	3.25	4.15	78.3	4.4	2.6	59.1	5.9	6.5	110.2
57	do	---	do	9.7	64	56	---	3.15	3.95	79.7	4.7	2.6	55.3	6	6.2	103.3
4	do	Cygnat Bay	do	9	59	---	---	3.3	3.95	83.6	4.6	2.5	54.4	(b)	---	---
166	do	Eucia	do	9	66	43	3.5	3.5	4.05	86.4	18.5	2.75	55	6.1	6.7	109.8
	Dr. Basedow's	North Kimberley	do	8.8	---	---	---	3.45	4.1	84.2	5	2.7	54	---	---	---
2	A. L. M.	---	do	10	---	---	---	3.62	3.95	91.6	5.4	2.85	52.8	---	---	---
2	do	---	do	8.8	67	53	3.6	3.45	3.98	86.7	5.15	2.6	50.5	6	6.8	113.3
1	S. A. M. A.	Cygnat Bay	do	8.3	63	37.5	---	3.88	3.75	103.5	4.85	2.55	52.6	5.9	6.3	106.8
4	A. L. M.	---	do	9.6	73	54.5	---	3.32	3.95	84	5.05	2.7	53.5	5.7	6.4	112.3
3	do	---	do	10	68	54	---	3.58	4.05	88.4	5.45	3	55	5.6	6.7	119.6
Totals	---	---	---	(10) 92.3	(7) 66.5	(7) 50	(2) 7.1	(10) 34.5	(10) 39.88	(10) 86.5	(10) 49.6	(10) 26.85	(10) 54	(7) 41.2	(7) 45.6	(7) 110.5
Averages	---	---	---	9.23	66.5	50	3.55	3.45	3.99	86.5	4.96	2.68	54	5.89	6.51	---

^a Atypical.

^b Upper incisors broken out.

NOTE.—For footnotes to reference figures see p. 3.

^c Moderate intranasal shelves.

NORTHWEST AUSTRALIAN CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
424	S. A. M. A.	-----	Adult	18.1	11.8	12.8	65.2	85.3	14.23	-----	6.7	13.3	-----	50.4	10.4	10.4
222	do.	-----	do.	19.6	12.8	13.4	65.3	82.7	15.27	-----	7.2	12.7	-----	56.7	10.8	10.3
423	do.	-----	do.	19.1	12.6	13	66	82.3	14.90	2.11	6.6	13.4	82.1	49.2	-----	10.6
18	A. L. A.	Derby	do.	19	13.2	13.9	69.5	86.3	15.37	4.13.2	8.3	13.3	99.2	62.4	10.5	10.6
1	do.	do.	do.	18.8	13.4	13.6	71.3	84.5	15.27	-----	(19)	13.8	-----	-----	-----	10.4
1	Dr. Basedow's	Forest River	do.	19.6	14.1	13	71.9	77.4	15.57	-----	(35)	13.7	-----	-----	-----	10.1
18	A. L. A.	Derby	do.	17.7	12.8	13.2	72.3	86.8	14.57	-----	(15)	14.1	-----	-----	-----	9.7
Totals	-----	-----	-----	(7) 131.9	(7) 90.7	(7) 92.9	(7) 68.8	(7) 83.5	(7) 15.02	(2) 24.2	(1) 28.8	(7) 94.3	(2) 90.6	(4) 54.6	(3) 31.7	(7) 71.8
Averages	-----	-----	-----	18.84	12.96	13.27	-----	-----	-----	12.1	7.2	13.47	-----	-----	10.57	10.26

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{1}{b \times 100}\right)$
424	S. A. M. A.	-----	Adult.	9.2	71	48	-----	20 3.25	20 4	87.2	13 4.95	2.95	59.6	6	7	116.7
222	do.	-----	do.	9.5	66.5	50	-----	3.42	4	85.5	5.05	2.6	51.5	6.4	7.1	110.9
423	do.	-----	do.	9.2	-----	-----	3.1	3.22	3.98	80.9	4.85	2.9	59.8	-----	-----	-----
18	A. L. A.	Derby	do.	8.9	65	50.5	4.4	3.72	4.15	89.6	5.45	3	55	6.2	c 7.6	122.6
1	do.	do.	do.	9.8	-----	-----	-----	3.28	3.95	83	13 4.9	2.8	57.1	-----	-----	-----
Dr. Basedow's	-----	Forest River	do.	9.1	-----	-----	-----	19 3.2	19 3.9	82	4.8	2.8	58.3	-----	-----	-----
b 18	A. L. A.	Derby	do.	8.6	-----	-----	3.3	3.22	3.82	84.3	5.05	2.7	53.5	-----	-----	-----
Totals	-----	-----	-----	(7) 64.3	(3) 67.5	(2) 49.5	(8) 10.8	(1) 23.31	(1) 27.8	(7) 83.9	(7) 35.05	(7) 19.75	(1) 56.3	(3) 18.6	(3) 21.7	(3) 116.6
Averages	-----	-----	-----	9.19	67.5	49.5	3.6	3.33	3.97	83.9	5.01	2.82	56.3	6.2	7.23	116.6

^a Lower right median incisor and both upper median incisors missing.

^b Surely male.

^c Alveolar arches very stout in region of molars.

NOTE.—For footnotes to reference figures see p. 3.

CENTRAL AUSTRALIAN CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
"U B3 797"	S. A. M. A.	---	Adult	19.2	13.3	14	69.3	86.4	15.50	12.1	88.7	13.6	89	52.3	10.5	10.3
	do	---	do	19	13.2	13.8	69.5	85.7	15.33	---	66.5	13.2	---	49.2	10.5	10.3
	A. L. S.	---	do	19	13.5	13	71	80.2	15.17	---	(3)	---	---	---	---	10
	Dr. Basedow's	Flinder's Ranges	do	18.7	13.3	12.4	71.1	77.5	14.80	4 11.3	7	13.5	83.7	51.8	10.7	9.5
	Dr. Campbell's	---	do	19	13.8	13	72.6	79.3	15.27	2 10.9	6.7	14.5	75.2	46.2	11.5	11
	Dr. Basedow's	Musgrave Ranges	do	18.5	14	12.3	75.7	75.9	14.93	2 11.3	7	13.3	85	52.6	9.6	10
Totals				(6)	(6)	(6)	(6)	(6)	(6)	(4)	(5)	(5)	(4)	(5)	(5)	(6)
Averages				13.4	13.1	13.08	71.5	80.7	15.17	45.6	34.3	68.1	83.1	50.4	52.8	61.1
				18.9	13.52	13.08	71.5	80.7	15.17	11.4	6.86	13.62	83.1	50.4	10.56	10.18

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth max.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, max. (b)	Palatal Index $\left(\frac{b \times 100}{1}\right)$
"U B3 797"	S. A. M. A.	---	Adult	9.3	68.5	54.5	4.1	3.62	4	90.5	4.75	2.8	59	6.1	6.1	100
	do	---	do	9.4	70	54	3.4	3.58	4.12	86.9	4.45	2.7	60.7	6.1	6.2	101.6
	A. L. S.	---	do	---	---	---	---	3.12	3.85	81	4.3	2.7	62.8	---	---	---
	Dr. Basedow's	Flinder's Ranges	do	9	61	44	3.8	2.78	3.75	74.1	4.55	2.7	59.4	6.4	6.8	106.2
	Dr. Campbell's	---	do	10	69	45.5	3.6	3.3	4.1	80.5	4.65	2.6	55.9	6.6	6.8	103
	Dr. Basedow's	Musgrave Ranges	do	8.8	72	59.5	3.5	3.45	3.62	95.3	5.2	2.5	48.1	5.7	6.4	112.3
Totals				(5)	(5)	(5)	(5)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)
Averages				46.5	68	51	18.4	19.85	23.44	84.6	27.9	16	57.4	30.9	32.3	104.5

* Whole skeleton; Arunta tribe.

NOTE.—For footnotes to reference figures see p. 3.

AUSTRALIAN CRANIA. LOCALITY UNKNOWN

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
12983	N. M. M.	-----	Adult	19.7	12.4	14.2	62.9	88.8	15.43	-----	7.2	13.3	-----	54.1	10.5	10.4
52	S. A. M. A.	-----	do	18.6	12.3	12.8	66.1	83.1	14.57	11.5	6.7	12.1	-----	55.4	10.6	9.9
51	do	-----	do	19.4	12.9	13.1	66.5	80.9	15.13	-----	7.6	13	95	58.5	12.3	9.9
12989	N. M. M.	-----	do	19.5	13.7	13.8	70.3	83.1	15.67	7 11.8	7.4	13.7	86.1	54	10.8	10.5
12985	do	-----	do	19.2	13.6	14.4	70.8	87.8	15.73	-----	6.8	13.1	-----	51.9	9.9	10.4
12997	do	-----	do	18.2	13	13	71.4	83.3	14.73	-----	6.6	14.1	83	46.8	10.4	9.8
1A132	S. A. M. A.	-----	do	18.8	14	13.1	74.5	79.9	15.30	+ 11.2	6.8	13.5	83	50.4	10.4	9.9
Totals	-----	-----	-----	(7) 133.4	(7) 91.9	(7) 94.4	(7) 68.9	(7) 83.8	(7) 15.23	(3) 34.5	(7) 49.1	(7) 92.8	(7) 87.8	(7) 52.9	(7) 74.9	(7) 71.8
Averages	-----	-----	-----	19.06	13.13	13.49	68.9	83.8	15.23	11.50	7.01	13.26	87.8	52.9	10.7	10.26

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth max.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, max. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
12983	N. M. M.	-----	Adult	9.2	69	58	-----	3.18	3.4	79.5	5	2.9	58	5.9	6.9	117
52	S. A. M. A.	-----	do	9.2	65.5	47.5	-----	3.22	3.78	85.2	4.6	2.6	56.5	6.3	6.4	101.6
51	do	-----	do	10.7	61	46	-----	3.55	3.78	93.9	5.2	2.6	50	7.2	7	97.2
12989	N. M. M.	-----	do	9.5	67.5	52	3.6	3.6	3.9	92.3	5.05	2.6	49.5	6.3	7	111.1
12985	do	-----	do	8.9	74.5	55	-----	3.5	3.75	93.4	4.9	2.8	57.1	5.7	7	122.8
12997	do	-----	do	9.1	66	49	-----	3.2	3.7	86.5	4.5	2.45	54.4	5.8	6.5	112.1
1A132	S. A. M. A.	-----	do	9	66.5	44.5	3.4	3.48	3.95	88.1	4.9	2.55	54.1	5.8	6.7	111.7
Totals	-----	-----	-----	(7) 65.6	(7) 67	(7) 49	(2) 3.5	(7) 23.73	(7) 26.86	(7) 88.3	(7) 34.15	(7) 18.6	(7) 54.5	(7) 43.2	(7) 47.5	(7) 110
Averages	-----	-----	-----	9.37	67	49	3.5	3.39	3.84	88.3	4.88	2.66	54.5	6.17	6.79	110

NOTE.—For footnotes to reference figures see p. 3.

* Long ellipse.

* Whole skeleton.

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
2027	S. A. M. A.	Glanville.	Adult.	18.3	11.8	12.1	64.5	80.7	14.07	10 10.4	6.8	12.3	84.6	55.8	11.2	9.6
13	A. L. A.	Reedbeds Adelaide.	do.	18.9	12.2	13.2	64.6	84.6	14.77	10 10.6	5 6.7	12.6	84.6	50.8	10.8	10.4
158	S. A. M. A.	Meningie.	do.	18.6	12.1	12.4	65	80.5	14.37	2 10.8	5 6.4	12.6	88.5	50.8	10.1	9.8
98	do.	Glenelg.	do.	18.3	12	12.2	65.6	80.3	14.17	2 10.8	6.7	12.2	85.5	48.8	10.1	9.4
83	do.	Lower Murray River.	do.	19.1	12.6	13.4	66	84.8	15.03	4 11.2	6.4	13.1	85.5	48.8	10.1	9.4
712	do.	Dry Creek.	do.	18.8	12.4	13.4	66	85.9	14.87	4 11.2	6.4	13.1	85.5	48.8	10.1	9.4
253	do.	Swanport.	do.	18	11.9	12.2	66.1	81.3	14.03	9.6	5.9	12.4	77.4	47.6	10.2	10.6
348	do.	Fulham.	do.	18.6	12.3	13.3	66.1	81.3	14.03	9.6	7	11.2	77.4	47.6	10.2	9.8
386	do.	Sydenham.	do.	18.9	12.5	13.3	66.1	84.7	14.90	10 10.6	6.6	12.5	85.6	53.6	10.4	10
13025	N. M. M.	Port Augusta.	do.	19	12.6	12.3	66.3	77.8	14.63	2 10.7	6.7	12.5	85.6	53.6	10.7	9.7
404	S. A. M. A.	Mount Pleasant.	do.	18.1	12	11.9	66.3	79.3	14	2 10.7	6.7	12.5	85.6	53.6	10.7	9.5
110	do.	Murray Bridge.	do.	18.5	12.3	13	66.5	84.4	14.60	10 10.6	6.7	12.5	85.6	53.6	10.7	9.5
241	do.	Swanport.	do.	18.9	12.6	12.6	66.7	76	14.50	10 10.6	6.1	12.2	85.6	53.6	10.7	9.5
87	do.	Murray Bridge.	do.	18.4	12.3	12.6	66.8	81.8	14.43	10 11.4	6.9	12.2	85.6	53.6	10.7	9.5
305	do.	Swanport.	do.	18.7	12.5	12.4	66.8	79.5	14.53	10 11.4	6.4	12.2	85.6	53.6	10.7	9.5
364	do.	Fulham.	do.	18.2	12.2	12.3	67	80.9	14.23	10 11.4	6.4	12.2	85.6	53.6	10.7	9.5
374	do.	do.	do.	18.5	12.4	12.4	67	80.9	14.23	10 11.4	6.4	12.2	85.6	53.6	10.7	9.5
263	do.	Swanport.	do.	19	12.8	13.1	67.4	82.4	14.97	2 10.2	6.5	12.4	82.3	52.4	9.8	10
154	do.	Milang.	do.	17.3	11.7	12	67.6	82.8	13.67	10 10.2	6.6	11.5	88.7	57.4	10.4	9.4
172	do.	do.	do.	18.5	12.5	12.7	67.6	81.9	14.57	10 10.2	6.5	11.5	88.7	57.4	11	10.5
His	do.	Near Murray Bridge.	do.	17.9	12.1	12.6	67.6	80.8	14.60	10 10.2	6.5	11.5	88.7	57.4	11	10.5
B4	do.	Henley Beach.	do.	18.6	12.6	12.6	67.7	80.8	14.60	10 10.2	6.5	11.5	88.7	57.4	11	10.5
43	do.	Reedbeds Adelaide.	do.	18.2	12.4	12.1	68.1	79.1	14.23	10 10.9	6.9	11.7	93.2	59	10.8	9.9
88	do.	Murray Bridge.	do.	18.8	12.8	11.6	68.1	73.4	14.40	2 10.5	6.3	12.2	86.1	51.6	10.7	9.7
121	do.	Wakerville.	do.	18.2	12.4	12.2	68.1	78.4	14.20	10 10.5	6.6	12	86.1	51.6	10.7	9.7
286	do.	Swanport.	do.	18.9	12.9	12.2	68.2	76.7	14.67	4 10.6	6.8	12.6	84.1	54	10.6	9.3
285	do.	do.	do.	18.9	12.9	12.2	68.2	81.1	14.90	7 10.2	6.4	12.5	81.6	51.2	10.3	9.8
Y	do.	Yorke Peninsula.	do.	17.9	12.2	12.2	68.2	81.2	14.10	2 10.7	6.5	11.9	(84.9)	50.8	10.9	10
1366	do.	Port Macleay.	do.	18.3	12.5	12.2	68.2	79.2	14.33	2 10.7	6.4	12.6	84.5	53.5	10	9.3
50	do.	Adelaide.	do.	17.4	11.9	11.6	68.4	79.4	13.63	10 9.7	6.4	12.9	84.5	53.5	11	9.2
165	do.	Henley Beach.	do.	17.7	12.1	12.4	68.4	83.2	14.07	10 10.9	6.9	12.2	88.5	56.6	10.1	10.5
49	do.	Reedbeds Adelaide.	do.	17.5	12.1	11.8	68.6	79.7	13.77	10 10.8	6.9	12.3	88.5	56.6	10.7	9.4
16563	N. M. M.	Lower Coorong.	do.	18.6	12.8	13.2	68.8	84.1	14.87	10 10.8	6.9	12.3	88.5	56.6	10.7	10.1
275	S. A. M. A.	Swanport.	do.	18.6	12.8	12.7	68.8	80.9	14.70	(10)	13 6.8	13.1	88.5	51.9	10.4	10.3

312	do	do	18.6	12.8	11.9	75.8	14.43	4 10	5.8	12.4	80.6	46.8	10.1	9.6
342	do	Mannum	18.3	12.6	12.9	83.8	14.60	---	6.6	12.9	---	51.2	10.3	9.9
340	do	Swanport	18.6	12.8	12.6	80.2	14.67	---	6.6	12.9	---	51.2	10.5	9.9
21	A. L. A.	Bimbowie	18	12.4	12	79	14.13	7 11.2	6.3	12.4	90.3	55.6	10.1	9.9
266	S. A. M. A.	Swanport	18	12.4	12.3	80.9	14.23	---	6.5	12.5	---	52	9.8	9.7
301	do	do	17.7	12.2	12.8	85.3	14.23	---	6.6	12.8	---	51.6	10.4	10
385	do	Sydenham	18	12.4	12.1	79.6	14.17	---	6.7	12	---	55.8	9.4	9.5
(f)	Dr. Pullene	Yorkie Peninsula	19	13.1	12.6	78.8	14.90	7 11.1	6.8	12.9	86	52.7	10.8	10
4	A. L. A.	Mobilong	18.8	13	12.4	78	14.73	7 9.9	6.1	12.7	78	48	9.8	9.5
12	do	Lars	18.8	13	13	81.8	14.93	7 10.8	6.9	12.5	86.4	55.2	10.4	10
10	do	Parallaner	18.2	12.6	12.3	79.9	14.37	7 10	6.2	12.4	80.6	50	9.4	9.4
f 261	S. A. M. A.	Swanport	18.5	12.8	13	83.3	14.77	---	6.3	12.9	---	48.8	10.1	9.7
f 272	do	do	18.5	12.8	12.8	82	14.70	---	---	---	---	---	9.4	9.4
265	do	do	17.3	12	12.2	83.6	13.83	9 9.7	5.7	12.2	79.5	46.7	9.8	9.4
439	do	Near Morgan	18	12.5	12.8	84.2	14.43	9 9.8	6.3	12.7	77.2	49.6	9.6	9.6
710	do	Near Adelaide	18.6	12.9	13	83.3	14.73	---	6.3	12.7	---	---	10	10.4
R	do	MacDonnell Bay	18.4	12.8	13	82.8	14.80	10 10.8	6.9	12.7	85	54.3	10.5	10
16565	N. M. M.	Lower Coorong	18.5	12.9	13	84.8	14.33	4 10.2	6.6	12	85	55	9.9	9.8
A44	A. L. A.	Glanville	17.8	12.4	12.8	69.7	14.33	---	---	---	---	---	---	---
f 29	do	Tailem Bend	18.8	13.1	13.6	69.7	15.17	7 10	6.1	12.6	79.4	48.4	10	9.7
41	do	Koombo	18.8	13.1	11.8	73.8	14.57	10 10.8	7	12.8	84.4	54.7	10	9.6
V	S. A. M. A.	Mt. Dulton Bay	18.8	13.1	12.4	82.1	14.20	9 11.2	7.1	13.4	83.6	53	10.8	9.9
B2	do	Mallala	17.8	12.4	13	81.2	14.97	4 10	6.3	13.4	74.6	47	10.2	10.3
H9	do	Meningie	18.8	13.1	13	78.2	14.43	7 11.5	7.1	13.4	---	---	10	9.7
280	do	Swanport	18.3	12.8	12.2	70	14.63	7 10.2	6.3	12.7	80.3	49.6	10.6	10.2
417	do	Wood's Point	18.3	12.8	11.9	76.3	14.43	---	6.6	11.7	---	---	10.2	9.6
399	do	Coorong	18.4	12.9	12.6	80.8	14.47	---	6.3	12.4	---	---	10.2	9.6
S679	A. M. S.	Chuka Bond	18.1	12.7	12.6	81.8	14.43	---	6.4	12.2	---	---	10.2	9.8
371	S. A. M. A.	Fulham	17.8	12.5	13	85.5	14.87	---	6.8	12.5	83.2	52.5	10.6	9.6
f "T" 4	do	Near Meningie	18.8	13.2	12.6	78.8	14.87	10 10.4	6.8	12.4	88.7	54.8	9.6	9.5
38	A. L. A.	Cardweene	18.2	12.8	11.6	74.8	14.20	11	5.7	13.3	---	42.9	10.4	9.8
494	S. A. M. A.	Auguston	18.2	12.8	13	83.9	14.67	---	---	---	---	---	10.5	9.6</

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 47.

SOUTH AUSTRALIAN CRANIA—Continued

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maximum	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
77	A. L. A.	Middleton	Adult	18.8	13.4	13.2	71.3	82	15.13	10.4	(35)	12.1	86	57.8	9.9	10.1
82	S. A. M. A.	Near Adelaide	do	17.4	12.4	12	71.3	80.5	13.93	10.3	7	12.8	80.5	50	10.2	9.4
299	do	Swanport	Near adult	18.1	12.9	12.4	71.3	80	14.47	10.3	6.4	12.9	81.4	49.6	10.5	9.4
242	do	do	Adult	17.9	12.8	12.2	71.5	79.2	14.30	10.5	6.4	12.9	81.4	49.6	10.5	9.8
390	do	Meningie	do	17.9	12.8	11.6	71.5	75.3	14.10	10.3	6.7	11.9	86.6	56.3	10.9	9.6
422	do	Port Victor	do	18.6	13.3	11.8	71.5	73.8	14.57	10.3	6.4	12.5	84	51.2	10	9.4
220	do	Zoological Gardens	do	17.6	12.6	12.7	71.6	84.1	14.30	10.10	6.2	11.9	84	52.1	10.3	9.2
f 359	do	Fulham	do	19	13.6	12.7	71.6		14.30	10.10	6.2	11.9	84	52.1	10.3	9.2
412	do	Ardrossan	do	18.3	13.1	11.8	71.6	75.2	14.40	10.7	6.3	12.1	80.2	52.1	9.8	9
A4	do	Quorn	do	17.6	12.6	12.4	71.6	82.1	14.20	10.4	5.9	12.6	78.2	51.6	10.4	9.7
f 245	do	Swanport	do	18.7	13.4	12.7	71.7	79.4	14.93	10.4	5.9	13.3	78.2	44.4	10.3	9.9
357	do	Fulham	do	18.4	13.2	12.6	71.7		14.57	10.4	6.8	12.6	81.2	48.4	10.4	9.8
387	do	Sydenham	do	18.1	13	12.2	71.8	80.3	14.27	10.4	6.1	12.2	80.5	49.6	10	9.4
A3	do	Loxon	do	17.7	12.7	12.2	71.8	79.7	14.27	10.4	6.1	12.2	80.5	49.6	10	9.4
12981	N. M. N.	Port Lincoln	do	17.8	12.8	12.2	71.9	85	14.53	10.4	6.1	12.2	80.5	49.6	10	9.4
164	S. A. M. A.	Port Augusta	do	17.8	12.8	12.3	71.9	80.4	14.30	10.4	6.1	12.2	80.5	49.6	10	9.4
f 13A	do	Lower Coorong	do	17.8	12.8	12.5	72	80.1	14.60	10.6	6.4	12.3	86.2	52	9.6	9.4
O	do	Upper Coorong	do	18.2	13.1	12.6	72.1	79.8	14.70	10.9	6.5	12.8	85.2	50.8	10.2	9.6
p 15	A. L. A.	Ardrossan	do	18.3	13.2	12.7	72.1	80.4	14.73	10.9	6.5	12.8	85.2	50.8	10.2	9.6
350	S. A. M. A.	Fulham	do	18.3	13.2	12.7	72.1	80.4	14.73	10.9	6.5	12.8	85.2	50.8	10.2	9.6
X	do	Yorke Peninsula	do	17.2	12.4	12.2	72.1	82.4	14.93	10.8	6.6	12.1	87.8	54.6	9.3	9
235	Dr. Basedow's	Swanport	do	18	13	12.4	72.2	80	14.47	10.8	6.9	12.3	87.8	56.1	10.2	9.8
343	S. A. M. A.	do	do	18	13	12.6	72.2	81.3	14.53	10.8	6.9	12.3	87.8	56.1	10.2	9.8
358	do	do	do	18	13	12.7	72.2	81.9	14.57	10.8	6.3	13.3	73.7	47.4	10.1	9.8
Hu	do	Fulham	do	18	13	12.7	72.2	81.9	14.57	10.8	6.3	13.3	73.7	47.4	10.1	9.8
406	do	Inkennan	do	18.4	13.3	12	72.3	76	14.57	10.8	6.7	12.3	87.8	56.1	10.2	9.8
407	do	Narrung, Lake Albert	do	18.5	13.4	12.7	72.4	79.4	14.87	10.8	6.3	12.3	87.8	56.1	10.2	9.8
11 ^b 415	do	Henley Beach	do	18.1	13.1	13	72.4		14.33	9.6	5.9	12.1	79.3	48.8	9.7	9.6
167	do	Near Mount Gambier	do	17.4	12.6	12.8	72.4	86.7	14.10	9.6	5.9	12.1	79.3	48.8	9.7	9.6
90	do	Cape Northumberland	do	17.1	12.4	12.8	72.5	86.6	14.10	10.9	6.5	11.6	94	56	9.5	9.1
316	do	Coorong	do	17.9	13	12.2	72.6	79.2	14.37	11.5	6.7	12.4	92.7	54	9.8	9.5
438	do	Swanport	do	17.9	13	12.8	72.6	83.1	14.57	11.5	6.7	12.4	92.7	54	9.8	9.5
O	do	Glenelg	do	16.8	12.2	11.8	72.6	81.4	13.60	10.9.2	6	11.8	(78)	(50.8)	9.5	9
11 ^b 415	do	Near Adelaide	do	17.9	13	12.8	72.6	83.1	14.57	10.9	6.7	12.4	87.9	54	10.6	10.1
11 ^b 415	do	Near Meningie	do	18.6	13.5	12.1	72.6	75.6	14.73	10.9	6.7	12.7	87.9	55.1	9.6	10

338	do	Swanport	do	17.6	12.8	5 12.1	72.7	79.6	14.17	5.8	12.3	47.2	9.6	9.8
370	do	Fulham	do	18	13.1	11.5	72.8			7	12.2	57.4	10.3	9.6
103	do	Plympton	do	17	12.4	(38)	72.9	78.2	13.63	7 11.1	12.9	85.3		
r T3	do	Near Meningie	do	18.8	13.7		72.9			11 11		51.2		
34	do	Goolwa	Adolescent	17.8	13	11.4	73	74	14.07		13	81.5	10.1	9.4
251	do	Swanport	do	17.8	13	11.9	73	77.3	14.23	4 10.6	6.7	51.5	9.7	9.6
2189	do	Lower Meningie	do	17.8	13	12.1	73.1	84.4	14.60	7 10.9	6.7	83.8	10.3	9.2
f T	do	Swanport	do	17.5	12.8	12.6	73.1	79.6	14.13		6.6	51.6		10.7
f W	do	Coorong	do	18.6	13.6	12.6	73.1	78.3	14.93					9.7
269	do	Edithbury	do	18.6	13.6	12.6	73.1	78.3	14.93					9.4
42	do	Swanport	do	17.2	12.6	12.2	73.3	81.9	14	10 10.6	7.2	89.8	9.6	
276	do	Adelaide	do	17.7	13	13.1	73.4	85.1	14.60		11.8			10
H7	do	Swanport	do	17.7	13	12.4	73.4	80.5	14.37	4 10.4	6.1		10.2	9.6
320	do	Coorong	do	18.4	13.5	11.9	73.4	74.4	14.60	2 10.8	6.9	54.3	10.2	9.5
347	do	Fulham	do	18.2	13.4	11.8	73.6	79.2	14.37					9.5
401	do	Robe	do	18.2	13.4	12.6	73.6	74.7	14.47		5 6.5	51.6	10.6	9.6
B	do	Near Adelaide	do	18.2	13.4	12.5	73.6	83.4	14.27		6.4	48.1	9.8	9.6
437	do	Tantanoola	do	17.9	13.2	12.6	73.7	79.1	14.70	10.3	6.7	52.2	9.7	9.4
f 8	do	Middleton	do	18	13.3	12.6	73.7	80.8	14.57	(32)	6.8	51.1	10.8	10.1
f 30	do	Taillem Bend	do	18.4	13.6	13.4	73.9	80.8	14.63					9.5
96	do	Murray River	do	18	13.3	11.8	73.9	82.8	15.13		6.4		10.8	9.6
271	do	Swanport	do	17.6	13	11.8	73.9	77.1	14.13		6.5	51.2	9.6	9
1035	do	Yorke Peninsula	do	17.6	13	12.6	73.9	82.4	14.40	9 10.8	6.7	53.6	9.5	9.4
f 333	do	Swanport	do	18.6	13.8		74.2							
243	do	Lower Murray River	do	18.3	13.6	12.1	74.3	75.6	14.67		6.4	49.6	10.2	9.6
S. A. M. A.	do	Swanport	do	18	13.4	13.1	74.4	83.4	14.83	10 10.4	6.4	80.6	10.4	10.1
413	do	Adrossan	do	18	13.4	12.8	74.4	81.5	14.73	2 10.4	6 6.5	80	10.5	10
f 392	do	Coorong	do	18.8	14	13.3	74.5	81.1	15.37					10.7
268	do	Swanport	do	17	12.8	12.4	75.3	83.2	14.07		6.5	52.8	9.7	9.4
91	do	Coorong	do	18.2	13.8	12.3	75.8	76.9	14.77	2 10.4	6.4	77.6	10.5	9.8
B10	do	Mt. Gambier	do	18.2	13.8	12.5	75.8	78.1	14.83	7 10.2	6.3	79.7	9.7	9.4
f 42	do	Robe	do	17.1	13	12.6	76	84	14.23	9 11.1	6.6	93.3	10.1	9.6
341	do	A. L. A.	do	16.5	12.6	13.3	76.4	91.1	14.13		5.8	48.2	9.3	9.1
S. A. M. A.	do	Swanport	do	18.2	13.9	12.6	76.4	78.8	14.90	9 11.3	7	81.9	10.4	10.2
f F	do	Coffin Bay	do	18.1	14.4	13	76.6	80.2	15.17	2 11.8	7.4	50.7	11.2	10.3
b 1081	do	Wallaroo	do	18.1	14.4	13	79.6					53.2		
Totals	(156)	2,832.9	G:56)	2,003.5	1,787.5	(143)	79.6	(143)	797.2	(76)	1,350.6	(105)	1,192.9	(141)
Averages		18.16		12.84	12.5		70.7		14.49	10.49	12.5	52.2	10.2	9.72
Minima		16.5		11.7	11.4		64.5		13.60	9.2	11.2	73.7	9.3	9
Maxima		19.1		14.4	13.6		79.6		15.37	11.8	13.9	62.5	11.2	10.7

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 47.

SOUTH AUSTRALIAN CRANIA—Continued

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b} \times 100\right)$
2027	S. A. M. A.	Glanville.	Adult.	9.6	58.5	45	3.4	3.08	3.6	85.6	4.4	2.8	63.6	6.6	6.3	95.4
13	A. L. A.	Reedbeds Adelaide.	do.	9.6	68.5	51	3.4	3.35	3.8	88.1	4.7	2.7	57.4	6.4	6.1	95.3
158	S. A. M. A.	Meningie.	do.	8.9				3.22	3.85	83.6	4.45	2.9	65.2			
98	do.	Glenelg.	do.	8.6	64.5	47.5		3.35	3.62	92.5	19 4.4	2.4	54.6	5.9	5.9	100
83	do.	Lower Murray River	do.					19 3.4	19 3.8	89.5	4.9	2.2	44.9	5.9	6.3	106.8
712	do.	Dry Creek.	do.													
253	do.	Swanport	do.	9.2	69.5	50.5	2.85	3.3	3.7	89.2	4.3	2.4	55.8	5.8	6.2	106.9
348	do.	Fulham.	do.					3.8	3.85	98.7	5.1	2.65	52	5.9	5.85	99.2
386	do.	Sydenham.	do.	9.5	68	61		3.35	3.8	88.1	4.4	2.55	58	5.9	6.9	117
13025	N. M. M.	Port Augusta.	do.	9.3	63	50	3.7	3.5	3.95	88.6	4.3	2.8	65.1	6.2	6	96.8
404	S. A. M. A.	Mount Pleasant.	do.													
110	do.	Murray Bridge.	do.	9.6	66.5	42.5		(37)	(37)		5.2	2.7	51.9			
241	do.	Swanport.	do.	8.8	69	51		3.35	3.58	93.6	4.3	2.6	60.5	5.7	6.2	108.8
87	do.	Murray Bridge.	do.	9.4	62	47		3.2	4.1	78	4.4	2.5	56.8	6.8	6.6	97.1
305	do.	Swanport.	do.	8.8	69	49		3.28	3.62	90.6	4.55	2.35	51.7	5.7	6.1	107
364	do.	Fulham.	do.													
374	do.	do.	do.													
263	do.	Swanport.	do.	8.8	72.5	53.5	3	33.2	3.75	88.5	4.75	2.5	52.6	5.6	6	107.1
154	do.	Milang.	do.	9	62.5	48	3.3	3.38	3.55	95.2	18 4.4	2.5	56.8	6.1	6.4	104.9
172	do.	do.	do.	9.8	68	51.5		19 3.4	19 3.6	94.4	4.45	2.65	59.5			
H ₁₅	do.	Near Murray Bridge.	do.													
B ₄	do.	Henley Beach.	do.													
43	do.	Reedbeds Adelaide.	do.	9.4	64.5	48		3.35	3.8	88.1	4.75	2.4	50.5	6.2	6.5	104.8
88	do.	Murray Bridge.	do.	9.2	63.5	41		3.25	3.8	87.5	4.4	2.5	56.8	6.1	5.9	96.7
121	do.	Walkerville.	do.	8.6	65.5	50		3.18	3.62	87.8	4.5	2.35	52.2	6	6.3	105
286	do.	Swanport.	do.	9.2	6.5	50		3.4	3.68	92.4	4.5	2.4	53.3	6.1	6.2	101.6
285	do.	do.	do.	9.2	67.5	52.5	2.85	3.25	3.72	87.4	18 4.5	2.55	56.7	5.9	6.4	108.5
Y	do.	Yorke Peninsula.	do.	9.5	64.5	45.5		3.05	3.6	84.7	4.5	2.55	56.7	6.2	6.4	103.2
1366	do.	Port Macleay.	do.	8.8	65	49.5	3.05	19 3.45	19 3.8	89.6	4.5	2.5	55.6			
50	do.	Adelaide.	do.	9	64	53.5		19 3.4	19 3.7	91.9	4.5	2.55	56.7			
165	do.	Henley Beach.	do.	9.8	67.5	51	3.3	3.4	3.8	89.5	4.9	2.5	51	6.2	6.2	100
49	do.	Reedbeds Adelaide.	do.	8.6	64	49		3.55	3.75	94.7	4.4	2.45	55.7	5.8	6	103.4
16563	N. M. M.	Lower Coorong.	do.	9.4	66	51		3.32	3.65	91	4.65	2.3	49.5	6.1	6.2	101.6
275	S. A. M. A.	Swanport.	do.	9.2	70	51	3.2	3.42	3.92	87.2	4.8	2.65	55.2	5.9	6.3	106.8

[illegible]

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 47.

SOUTH AUSTRALIAN CRANIA—Continued
FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{1}{b \times 100}\right)$
17	A. L. A.	Middleton	Adult	8.7	65	54		3.3	3.75	88	5.1	2.8	54.9	5.8	6.1	105.2
82	S. A. M. A.	Near Adelaide	do.	8.7	65	46		20 3.6	3.6	100	18 4.7	2.6	55.3	6.1	6.5	106.6
299	do.	Swanport	Near adult	8.8	64.5	46	3	20 3.3	3.35	86.8	4.35	2.55	58.6	6	5.9	98.3
242	do.	do.	Adult	9.1	66	41	3.15	3.2	3.7	90.5	4.7	2.7	57.4	6.4	6.2	96.9
390	do.	Meningie	do.	9.3	61	42	3.1	3.6	3.95	86.5	4.6	2.5	54.4	6.2	6.4	102.2
422	do.	Port Victor	do.	8.6	66	38.5		3.2	3.95	91.1	18 4.8	2.6	54.2	6	6.5	108.3
220	do.	Zoological Gardens	do.	9	62	42	3.4	2.98	3.58	83.2	18 4.5	2.35	52.2			108.3
339	do.	Fulham	do.													
412	do.	Ardrossan	do.	8.6	64	53	3	3.15	3.68	85.6	4.05	2.35	58	5.7	5.8	101.8
A4	do.	Quorn	do.	9.1	65.5	48	2.95	3.1	3.65	84.9	18 4.5	2.3	51.1	5.7	6.3	110.5
245	do.	Swanport	do.	9	69.5	40	3.05	3.45	3.7	93.2	18 4.45	2.7	60.7	5.9	6.3	106.8
357	do.	Fulham	do.													
387	do.	Sydenham	do.	9.1	65.5	48.5		3.22	3.6	89.5	18 4.8	2.55	53.1	6	6.2	103.9
A3	do.	Loxton	do.	8.8	68.5	56	3	3.15	3.35	94	4.15	2.7	65.1	5.7	6.3	110.5
12981	N. M. M.	Port Lincoln	do.	8.7	66.5	42.5	2.8	3.2	3.55	90.1	4.45	2.1	47.2	5.8	6.1	105.2
104	S. A. M. A.	Port Augusta	do.	9.2	64	46		3.32	3.65	91	4.9	3.05	62.2	6.1	6.5	106.6
13A	do.	Lower Coorong	do.	8.6	70.5	50	2.8	3.28	3.7	88.7	4.3	2.3	53.3	5.6	5.9	105.4
O	do.	Upper Coorong	do.	8.5	69	52.5	3.1	3.6	3.72	96.8	4.5	2.4	53.3	5.6	6.3	112.5
15	A. L. A.	Ardrossan	do.	8.6	66	38.5	2.8	3.15	3.75	84	18 4.7	2.35	50	6	6.2	103.9
350	S. A. M. A.	Fulham	do.													
X	do.	Yorke Peninsula	do.	8.2	66.5	50		3.15	3.7	85.1	4.75	2.45	51.6	5.4	6	111.1
235	Dr. Basedow's	do.	do.	9	67	52	3.1	3.35	3.68	91	4.8	2.55	53.1	6.1	6.6	108.2
343	S. A. M. A.	Swanport	do.	9.2	69	49.5	2.8	3.68	3.75	98.1	4.9	2.7	55.1	5.8	6.2	106.9
358	do.	do.	do.													
H11	do.	Fulham	do.	9.1	63	45.5		20 3.1	3.8	81.6	4.5	2.7	60			
406	do.	Narrung, Lake Albert	do.	9	71	51		3.2	4	80	4.2	2.65	63.1	5.8	6.6	113.8
407	do.	Henley Beach	do.				3	3.28	3.75	87.5	4.45	2.6	58.4			
11415	do.	Near Mount Gambier	do.	8.8	71	50		3.28	3.7	89.7	4.25	2.5	59.5	5.5	5.9	107.9
167	do.	Cape Northumberland	do.	8.3	66.5	53.5	3.4	3.22	3.75	85.9	4.25	2.5	58.8	5.9	6.3	106.8
90	do.	Coorong	do.	9	67	61		3.32	3.95	84	18 4.75	2.35	49.5	5.6	6.7	119.6
316	do.	Swanport	do.													
438	do.	Glenelg	do.	8.6	67	53.5	2.6	3.15	3.65	86.3	18 4.35	2.35	54	5.3	5.8	109.4
C	do.	Near Adelaide	do.	9.4	67	51	3.3	3.35	3.75	89.2	4.7	2.5	53.2	6.1	6.8	111.5
H10	do.	Near Meningie	do.	8.4	72	52		3.08	3.55	86.8	18 4.9	2.6	53.1	5.5	6.2	112.7

NORTHERN TERRITORY CRANIA

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maximum.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
197	S. A. M. A.	Anson Bay.	Adult	18.1	11.6	12.2	64.1	82.4	13.97	7 10.4	6.9	11.9	85.2	58	10.2	10
227	do	Melville Island	do	18.4	11.8	12.8	64.1	84.8	14.33		6.4	12.2	85.2	52.5	10.3	10.2
443	do	Humbert River	do	17.7	12.4	13.2	66.7	89.2	14.23		9.5	12.2	85.3	53.3	10.2	
380	Dr. Basedow's	Melville Island	do	18.5	12.4	(39) 13.4	67	87								
16119	S. A. M. A.		do	18.5	12.4	13.4	67	86	14.77							10.1
16119	do		do	18.8	12.6	13.5	67	86	14.97							10
11452	N. M. M.		do	17.7	11.9	12.7	67	85.8	14.10	4 10.2	6.6	12.2	83.6	54.1	10	9.6
16109	S. A. M. A.	Melville Island	do	18.4	12.4	12.8	67.4	83.1	14.53	7 11.2	6 6.8	12.3	91.1	55.3	10	9.8
16109	N. M. M.		do	18.4	12.4	12.9	67.4	83.8	14.57	2 11	6.8	13	84.6	52.3	10.6	9.9
180	S. A. M. A.	Anson Bay	do	17.4	11.8	12.4	67.8	84.9	13.87	7 11.1	5 6.2	12.5	88.8	49.6		9.4
190	do	do	do	17.2	11.7	12.4	68	86.1	13.77	7 9.7	6	12.1	80.2	49.6	9.6	9.4
201	do	do	do	17.6	12	12.6	68.2	85.1	14.07	10 10.6	7.1	12.3	86.2	57.7	10.8	9.8
144	do	do	do	17.5	12	12.6	68.6	85.1	14.03		6	12.6		47.6	10.3	10
16378	N. M. M.		do	18.3	12.6	12.6	68.8	81.8	14.50		6.5	12.6		51.6	10.7	10
17082	do		do	18.3	12.6	13.5	68.8	87.7	14.80		5 13 7.1	12.6		56.4		10
213	S. A. M. A.	Borrooloola	do	18	12.4	13.6	68.9	89.5	14.67		6.9	12.8		53.9	10.6	10.6
177	do	Anson Bay	do	17.8	12.3	13.4	69.1	89.3	14.13	10 9.5	6.2	12.7	74.8	48.8	10.5	9.6
217	do	Borrooloola	do	17.8	12.3	13.4	69.1	89.3	14.50		5 13 7.2	12.4		58.1	10.4	9.9
16111	N. M. M.		do	17.6	12.2	12.4	69.3	83.2	14.07	2 10.1	6.3	12.5		50.4	10.4	10
151	S. A. M. A.	Anson Bay	do	17.3	12	12	69.4	82.2	13.77	10 9.6	6.4	12.7		50.4	10.6	9.8
189	do		do	17	11.8	12.6	69.4	87.5	13.80	9 10.7	6.6	12.6		52.4	10.4	9.8
16381	N. M. M.		do	17	11.8	12.7	69.4	88.2	13.83	4 10.2	6.3	12		52.5	10	9.5
68	S. A. M. A.	Port Darwin	do	17.5	12.2	13.2	69.7	89.2	14.30	11 10.4	6.4	13	80	49.2	10.8	10.3
409	do	Arnhem Bay	do	17.8	12.4	13.1	69.7	86.8	14.43	7 9.8	6.4	12.3		52	10.8	10
198	do	Anson Bay	do	17.2	12	13	69.8	89	14.07		6	12.4		48.4	9.9	9.8
17088	N. M. M.		do	17.2	12		69.8			4 10.1	5.8	11.7	86.3	49.6		
17086	do		do	17.3	12.1	13	69.9	88.4	14.13	7 10.7	6.7	11.7	91.4	57.2	10	9.8
16113	do		do	18	12.6	13	70	85	14.53	2 11	7.1	12.8	85.9	55.5	11	10.3
147	S. A. M. A.		do	17.4	12.2	1 (12.5)	70.1	(84.5)	(14.03)	10 9.7	6.3	11.9	81.5	52.9		
71	do	Port Darwin	do	17.6	12.4	13.2	70.4	88	14.40	4 10.5	6.5	12.1	86.8	53.7	10.6	9.8
206	do	Anson Bay	do	17.3	12.2	13.4	70.5	90.5	14.30		6.2	11.9		52.1	10.2	10
148	do		do	17.4	12.3	13.1	70.7	88.5	14.27	2 9.6	5.9	12.1	79.3	48.8	10.4	9.8
A5115	A. M. S.	Melville Island	do	16.8	11.9	12.9	70.8	89.6	13.87		6	12		60	9.9	9.3
16375	N. M. M.		do	17.8	12.6	13.2	70.8	86.8	14.53		6.9	12.9		53.5	11.1	10.1
15959	do	Hasan River	do	17.8	12.6	13.3	70.8	87.5	14.57		(9)					9.9

	S. A. M. A.		18.2	12.9	13.4	70.9	85.9	14.83	211.4	7.2	13.3	85.7	54.1	10.1	10.2
153	do.	Melville Island	17.5	12.4	13	70.9	86.7	14.30	99.6	5.8	12.2	92.6	54.9	9.6	10.5
379	do.	Anson Bay	17	12.1	12.8	71.2	87.7	13.97	411.3	6.7	11.9	92.6	51.2	9.7	9.4
179	do.	do.	17.4	12.4	12.4	71.2	88.2	14.07	11.1	6.1	12.7	87.4	56.7	10	9.5
76	do.	Adolescent	18.2	13	13	71.4	88.3	14.73	210.2	7.2	12.3	82.9	52	9.9	9.2
11448	do.	Adult	16.5	11.8	12.1	71.5	85.2	13.47	210.2	6.4	12.2	74.6	45.9	9.5	9.5
228	do.	Melville Island	17.6	12.6	13.2	71.6	87.4	14.47	210.2	5.6	12.2	74.6	45.9	9.5	9.2
16130	N. M. M.	Port Darwin	18	12.9	13.4	71.7	87	14.77	210.2	(19)	12.2	74.6	45.9	9.5	9.6
146	S. A. M. A.	do.	17.4	12.5	13.1	71.8	87.3	14.33	210.2	1(6.5)	12.8	74.6	45.9	9.6	9.8
212	do.	Borroloola	17.2	12.4	13.3	72.1	89.9	14.30	210.2	6.5	12.6	74.6	45.9	9.8	9.5
16128	N. M. M.	do.	17.6	12.7	13.8	72.2	90.8	14.70	210.2	6.8	12.6	74.6	45.9	9.9	9.9
73	S. A. M. A.	Near Southport	16.9	12.2	12.5	72.2	85.6	13.87	210.2	6.5	12	74.6	45.9	9.6	9.6
16107	N. M. M.	do.	17	12.3	13.1	72.4	89.7	14.13	210.2	6.6	12.3	74.6	45.9	9.2	9.2
16365	do.	do.	17.4	12.6	12.5	72.4	88.8	14.17	210.2	17.5.9	12.2	74.6	45.9	10.1	10.1
16118	do.	do.	17.1	12.4	13.6	72.5	91.9	14.37	210.2	6.2	11.7	74.6	45.9	10	10
187	S. A. M. A.	Anson Bay	17.8	12.9	13	72.5	84.4	14.57	210.2	6.5	12.8	74.6	45.9	10.1	9.5
200	do.	do.	16.5	12	13	72.7	91.6	13.83	210.2	6.4	12.4	74.6	45.9	10.3	10.3
408	do.	Arnhem Bay	18.4	13.4	13	72.8	81.8	14.93	210.2	6.6	12.4	74.6	45.9	10.7	9.5
16376	N. M. M.	do.	17.8	13	13	73	84.4	14.60	210.2	6.7	12.9	74.6	45.9	10.8	9.5
215	S. A. M. A.	Borroloola	17.8	13	13.2	73	85.7	14.67	210.2	6.4	12.8	74.6	45.9	10.2	9.9
16360	N. M. M.	do.	17.8	13	13.4	73	87	14.73	210	6.6	12.8	74.6	45.9	10.4	9.9
16131	do.	Port Darwin	17.9	13.1	13	73.2	83.9	14.67	210	6.7	12.8	74.6	45.9	9.9	9.9
442	S. A. M. A.	Melville Island	17.2	12.6	13.7	73.3	92	14.50	210	6.7	11.8	74.6	45.9	9.6	9.6
18508	N. M. M.	Pine Creek	17.1	12.6	13.1	73.7	88.5	14.27	210	5.9	12.3	74.6	45.9	9.1	9.1
16366	do.	do.	17.6	13	13.4	73.9	87.6	14.67	210	6.7	12.7	74.6	45.9	9.7	9.7
65	S. A. M. A.	Gulf of Carpentaria	17.4	12.9	12.8	74.1	84.2	14.37	210.4	6.5	13.2	74.6	45.9	10	10
128	do.	Melville Island	17	12.6	12.3	74.1	83.1	13.97	210.4	6.7	12	74.6	45.9	9.9	9.9
16124	N. M. M.	do.	16.7	12.4	13	74.2	89	13.97	210.4	6.7	11.7	74.6	45.9	9.5	9.5
15	S. A. M. A.	Near Southport	17.1	12.7	12.6	74.3	84.6	14.13	210.5	6.9	12.7	74.6	45.9	9.9	9.9
16382	N. M. M.	do.	17.6	13.1	12.6	74.4	81.8	14.43	210.5	6.5	12.7	74.6	45.9	8.9	8.9
173	S. A. M. A.	do.	17.2	12.8	13.5	74.4	90	14.50	210.5	6.3	12.8	74.6	45.9	9.9	10
16364	N. M. M.	do.	17.2	12.8	13.5	74.4	90	14.50	210.5	6.3	12.8	74.6	45.9	9.9	10

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 53.

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella and maxilla)	Diam. lateral maximum.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
70	S. A. M. A.	Port Darwin.	Adult.	16.9	12.6	12.2	74.6	82.4	13.90	10.10	6.9	12.1	82.6	57	10.4	9.7
169	do.		do.	17.7	13.2	12.1	74.6	78.6	14.33	10.4	6.4	10.8	80.3	52.3	10.8	10
16363	N. M. M.		do.	16.3	12.2	13	74.8	91.6	13.83	9.4	6	11.7	88.2	54.3	9.8	9.6
16371	do.		do.	17.9	13.4	13.5	74.9	86.5	14.93	11.2	6.9	12.7	72.4	45.7	10.4	9.9
397	S. A. M. A.	Melville Island.	do.	16.9	12.7	12	75.2	81.1	13.87	9.2	5.8	12.7	90.6	58.1	9.7	9.2
13	do.	Southport.	Young, but all 3 molars erupted.	16.7	12.6	12.6	75.4	86.3	13.97	10.6	6.8	11.7			8	9.4
426	do.	Melville Island.	Adult.	16.8	12.7	12.6	75.6	85.1	14.03	(32)	6	12		50	9.3	9.4
445	do.	Burrundi.	do.	17.2	13	13.4	75.6	88.7	14.53	10.7	6.8	11.9	89.9	57.1	10.7	10
12	do.	Pine Creek.	do.	16.3	12.4	12.7	76.1	88.2	13.80	11.2	6.7	12.4	90.3	54	10.3	9.6
145	do.		do.	17.6	13.4	13	76.1	83.9	14.67	10	6.4	12.3	81.3	52	10.2	9.8
199	do.	Anson Bay.	do.	16.8	12.8	13	76.2	87.8	14.20	9.2	5.5	12.9	71.3	42.6	9.7	9.4
192	do.	do.	do.	17	13.2	13	77.6	86.1	14.40	10.3	6.2	12.5	80	49.6	10.1	9.7
16129	N. M. M.	Port Darwin.	do.	16.5	12.8	13	77.6	89	14.10	10.3	6	11.9	86.6	50.4	10	9.6
204	S. A. M. A.	Anson Bay.	do.	16.3	12.7	12.1	77.9	83.4	13.70	10.7	6.7	12.6	84.9	53.2	10.1	9.8
Totals				(80) 1,397.2	(80) 998.3	(77) 995	(80) 71.5	(77) 86.3	(77) 14.29	(53) 545.6	(74) 478.4	(72) 891.1	(60) 83.3	(70) 52.3	(66) 702.5	(77) 752.2
Averages				17.46	12.48	12.92	74.6	86.3	14.29	10.29	6.46	12.38	83.3	52.3	10.18	9.77
Minima				16.3	11.6	12	64.1	78.6	13.47	9.1	5.5	11.7	71.3	42.6	8.9	8.9
Maxima				18.8	13.4	13.8	77.9	92	14.97	11.4	7.2	13.3	92.6	58.1	11.1	10.6

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
197	S. A. M. A.	Anson Bay.	Adult.	9	68.5	54.5	---	3.2	3.65	87.7	18 4.6	2.5	54.4	5.9	6.3	106.8
227	do.	Melville Island.	do.	9.3	71	51	3.3	3	3.5	85.7	18 4.8	2.35	49	5.9	6.3	106.8
443	do.	do.	do.	9	71.5	50	(31)	3.48	3.95	88.1	4.6	2.7	58.7	---	---	---
380	Dr. Basedow's	Humbert River.	do.	---	---	---	---	---	---	---	---	---	---	---	---	---
11411	S. A. M. A.	Melville Island.	do.	8.7	---	---	---	3.15	3.8	82.9	4.4	2.75	62.5	---	---	---
16119	do.	do.	do.	9	---	---	---	3.22	3.75	85.9	4.7	2.9	61.7	---	---	---
11452	N. M. M.	do.	do.	8.6	67	47.5	3	3.32	3.82	86.9	18 4.5	2.4	53.3	5.8	6.5	112.1
16109	S. A. M. A.	Melville Island.	do.	9	68.5	56	3.35	3.38	3.82	86.9	4.8	2.95	61.5	5.9	6.8	115.2
180	N. M. M.	do.	do.	9	65	43	3.4	3.4	3.95	85.6	4.7	2.6	56.3	6	6.4	106.7
190	S. A. M. A.	Anson Bay.	do.	9	---	---	2.9	3.4	3.88	87.6	---	---	---	---	---	---
201	do.	do.	do.	9	70	63.5	2.8	3.08	3.75	82.2	4.45	2.7	60.7	5.5	6.5	118.2
144	do.	do.	do.	9	62.5	44.5	3.3	3.35	3.5	95.7	4.5	2.45	54.4	6.1	6.2	101.6
16378	do.	do.	do.	9.3	70	45	---	3.2	3.85	83.1	18 4.7	2.5	53.2	5.8	6.2	106.9
17082	N. M. M.	do.	do.	9.1	66	40.5	---	3.55	3.95	89.9	4.6	2.6	56.5	6.6	6.7	101.5
213	do.	do.	do.	8.8	---	---	---	3.55	3.92	90.6	(h)	---	---	---	---	---
177	S. A. M. A.	Boroloolo.	do.	9.2	71	50.5	---	3.15	3.75	84	18 4.65	2.2	47.3	5.9	6.8	115.2
217	do.	Anson Bay.	do.	9.1	64.5	41	2.9	3.6	3.98	92.6	4.45	2.55	57.3	6.1	6.3	103.3
16111	do.	Boroloolo.	do.	8.9	66	47	---	3.28	3.78	86.8	4.9	2.5	51	5.6	6.6	110
151	N. M. M.	do.	do.	9.2	68.5	42.5	3.1	3.32	3.72	89.2	4.8	2.5	52.1	5.8	6.4	110.3
189	S. A. M. A.	do.	do.	9.1	65	44.5	---	3.15	3.7	85.1	18 4.35	2.7	62.1	6.2	6.6	106.4
16381	do.	Anson Bay.	do.	9.4	66	53	2.95	3.3	3.58	92.2	18 4.8	2.7	56.2	6.2	6.9	111.3
68	N. M. M.	do.	do.	8.8	67	51	2.95	3.2	3.78	84.6	4.25	2.2	51.8	5.9	6.3	106.8
499	S. A. M. A.	Port Darwin.	do.	9.6	68	48	---	3.22	3.78	85.2	4.6	2.6	56.2	6.4	6.7	104.7
198	do.	Arnhem Bay.	do.	9.6	65.5	43	2.9	3.25	4.05	80.2	4.85	2.85	58.8	6	6.2	103.3
---	do.	Anson Bay.	do.	8.9	71.5	48.5	---	3.05	3.8	80.3	18 4.55	2.6	57.1	5.5	5.6	101.8

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 53.

NORTHERN TERRITORY CRANIA—Continued

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
17088	N. M. M.	-----	Adult	8.8	69	51	2.8	3.35	3.52	95.2	18.4	2.65	57.6	5.8	6.2	106.9
17086	do.	-----	do.	9.8	65.5	55	3.4	3.25	3.9	83.3	4.7	2.5	53.2	6.2	6.4	108.2
• 16113	S. A. M. A.	-----	do.	-----	-----	-----	-----	3.4	3.75	90.7	4.75	2.75	57.9	5.7	6.2	108.8
147	do.	-----	do.	-----	-----	-----	-----	3.08	3.55	86.8	4.35	2.7	62.1	6.2	6.1	98.4
71	do.	Port Darwin	do.	9.2	65	48	-----	3.08	3.92	78.6	4.35	2.5	57.5	5.9	5.9	107.3
206	do.	Anson Bay	do.	9.2	70.5	51	-----	3.3	3.75	88	4.35	2.6	55.9	5.5	6.3	106.8
148	do.	-----	do.	9.2	67.5	44	-----	3.1	3.62	85.6	4.3	2.5	58.1	5.9	6	101.7
A5115	A. M. S.	Melville Island	do.	8.6	66.5	46.5	-----	3.12	3.8	82.1	4.3	2.4	58.5	5.9	6.2	96.9
16375	N. M. M.	-----	do.	9.6	63.5	47	-----	20 3.1	20 3.8	81.6	4.6	2.75	59.8	6.4	6.5	107.1
15959	do.	Hasan River	do.	8.8	70	51	-----	3.35	3.85	87	5	2.8	56	5.6	6.5	108.2
• 11448	S. A. M. A.	-----	do.	8.8	77	63	3.1	3.4	3.7	89.5	18.5	2.85	57	6	6.1	119.6
379	do.	Melville Island	do.	9	68	53	2.6	3.15	3.62	93.9	4.35	2.4	55.2	5.4	6.8	125.9
179	do.	Anson Bay	do.	8.2	69.5	49	3.4	3.4	3.8	88.8	4.55	2.5	55	5.1	6.6	(120)
76	do.	-----	Adolescent	8.7	65	51	-----	3.18	3.58	88.9	4.9	2.8	57.1	6.2	6.8	109.7
228	do.	Melville Island	do.	8.6	64.5	51	3.45	3.38	3.8	88.5	4.5	2.4	53.9	5.3	5.6	105.7
16130	N. M. M.	Port Darwin	do.	8.6	73	52.5	3.15	19 3.2	19 3.7	86.5	18.4	2.55	63	5.1	6.3	123.5
146	S. A. M. A.	-----	do.	8.6	-----	-----	2.75	3.18	3.72	85.5	18.4	2.55	51.5	-----	-----	-----
212	do.	Borroloola	do.	8.8	-----	-----	-----	3.25	3.65	89.6	18.4	2.4	51.1	-----	-----	-----
16128	N. M. M.	-----	do.	9	64	48	-----	3.45	3.85	89	4.7	2.6	60.5	6.1	6.3	103.3
73	S. A. M. A.	Near Southport	do.	8.8	67	41	-----	3.4	3.78	90	4.3	2.5	53.8	6.1	6.5	106.6
16107	N. M. M.	-----	do.	8.8	68.5	49	2.8	3.2	3.85	88.1	4.65	2.5	53.8	5.7	6.2	108.8
16365	do.	-----	do.	9.1	66	54	3.2	3.15	3.6	93	18.4	2.4	50	6	6.3	105
16118	do.	-----	do.	9.2	60.5	44.5	3	2.85	3.6	79.2	3.95	2.5	55.6	6	6.5	108.3
187	S. A. M. A.	Anson Bay	do.	9	72	50.5	3	3.42	3.72	91.9	18.4	2.55	56.7	5.8	6.6	113.8
200	do.	do.	do.	9	69.5	46.5	3.15	3.5	3.8	92.1	18.4	2.6	54.2	5.8	6.6	113.8
408	do.	Arnhem Bay	do.	8.8	66	47	3	3.55	3.9	91	18.4	2.55	57.3	5.8	6.2	106.9
16376	N. M. M.	-----	do.	9.3	68.5	40	-----	3.18	3.8	88.7	5	2.6	52	6.2	6.4	103.2
215	S. A. M. A.	Borroloola	do.	8.5	67	49	-----	3.38	3.78	89.4	4.6	2.4	52.2	6.1	6.3	108.6
16360	N. M. M.	-----	do.	9.1	69	47.5	3.2	3.38	3.7	91.4	4.8	2.9	60.4	6.1	6.6	103.3
16131	do.	Port Darwin	do.	9.2	67	43	2.95	3.48	3.9	89.2	18.5	2.75	53.9	6	6.6	110
442	S. A. M. A.	Melville Island	do.	8.8	-----	-----	-----	3.2	3.95	81	4.8	2.75	57.3	6	6.6	110

	N. M. M.	Pine Creek	do	8.8	65.5	41	3.3	3.85	85.7	4.7	2.65	56.4	5.7	6.5	114
13508	do	do	do	8.7	65.5	46	3.25	3.55	91.6	4.3	2.6	60.5	5.4	5.8	107.4
16366	S. A. M. A.	Gulf of Carpentaria	do	8.4	70	47.5	3.5	4.05	86.4	4.8	2.55	53.1	6.2	6.4	103.2
65	do	Melville Island	do	9.4	68	50	3.32	3.65	91	18 4.9	2.6	63.1	5.6	6.2	110.7
128	N. M. M.	do	do	8.8	68.5	46	3.25	3.68	88.3	18 4.7	2.25	47.9	5.6	6.1	108.9
15	S. A. M. A.	Near Southport	do	8.1	67	40.5	3.4	3.95	86.1	4.65	2.4	51.6	5.9	6	101.7
16382	N. M. M.	do	do	9.3	65	51.5	3.38	3.8	88.9	1 4.6	2.7	58.7	6.1	6.7	109.8
173	S. A. M. A.	do	do	8	69	59	3.3	3.68	89.7	18 4.4	2.2	50	5.5	6.5	109.1
16364	N. M. M.	do	do	8.8	73	46	3.45	3.95	87.3	4.9	2.9	59.2	5.7	6.5	114
70	S. A. M. A.	Port Darwin	do	9	64.5	47	3.4	3.75	90.7	4.8	2.8	58.3	5.8	5.8	100
169	do	do	do	8.9	65.5	39	3.2	3.55	90.2	4.25	2.7	63.5	6	6.1	101.7
16363	N. M. M.	do	do	8.8	70	52	3.22	3.7	87	4.35	2.35	54	5.5	6.1	110.9
16371	do	do	do	9	66.5	45.5	3.58	3.85	93	4.95	2.55	51.5	6	6.4	106.7
397	S. A. M. A.	Melville Island	do	9	68	61.5	3.1	3.7	83.8	4.1	2.45	59.8	5.4	6.2	114.8
13	do	Southport	do	8.5	66	49.5	3.45	3.8	90.8	4.7	2.3	48.9	m 5.8	6.4	110.3
		Young, but all 3 molars erupted.													
426	do	Melville Island	Adult	8.4	72	51	3.32	3.75	88.5	4.55	2.55	56	5.3	6.3	118.9
445	do	Burrundi	do	9.3	65.5	48.5	3.5	3.7	94.6	4.6	2.75	59.8	5.9	6.2	105.1
12	do	Pine Creek	do	8.8	65	46	3.1	3.98	77.9	4.5	2.55	56.7	6	6.2	103.3
145	do	do	do	9	68	44.5	3.2	3.55	90.2	4.8	2.4	50	5.5	6	109.1
199	do	Anson Bay	do	8.6	70.5	40.5	2.98	3.72	80.1	4.25	2.75	64.7	5.7	6.6	115.8
192	do	do	do	8.9	68.5	49.5	3.1	3.6	86.1	4.35	2.55	58.6	5.8	6.5	112.1
16129	N. M. M.	Port Darwin	do	8.9	69	50	3.08	3.62	85.1	4.25	2.6	61.2	5.5	5.8	105.4
204	S. A. M. A.	Anson Bay	do	8.8	68	48	3.38	3.8	88.9	18 4.75	2.45	51.6	5.7	5.6	98.2
Totals.				(77)	(68)	(63)	(78)	(78)	(78)	(78)	(76)	(76)	(69)	(70)	(69)
Averages				687.7	67.5	48	255.92	293.18	87.2	349.35	195.75	56.1	402.8	441.5	108
Minima				8.93	67.5	48	3.04	3.76	87.2	4.6	2.58	56.1	5.84	6.31	96.9
Maxima				9.8	60.5	39	2.85	3.5	77.9	3.95	2.2	47.3	5.1	5.6	125.9
					77	63.5	3.6	4.05	95.7	5.1	2.95	67.1	6.6	6.9	

* Tall female.

b Looks somewhat "boyish," but probably female.

c Somewhat male-like, but female.

d Most probably female.

e Pelvis surely female.

NOTE.—For footnotes to reference figures see p. 3.

f Mixed blood (?).

g Massive.

h Nasal bones abnormal; prominent intranasal shelves.

i Nasal wall thick, but outer line indistinct.

j Asymmetrical.

* Not fully developed.

† Moderate intranasal shelves.

m Teeth not shovel-shaped.

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
^a 13316	N. M. M.	Loddon	Adult	19	12.4	12.9	65.3	82.8	14.77	---	7.1	12.7	---	55.9	10.7	10.1
^a 18505A	do.	Koquga	do.	19.2	12.6	13	65.6	81.8	14.93	---	6.5	13	---	50	11.3	10.1
14320	do.	Yalca	do.	18.2	12.2	12.5	67	82.2	14.30	¹⁰ 11.9	7.5	12.7	93.7	69.1	9.9	9.7
39	A. L. M.	---	Near adult	18.1	12.2	12.3	67.8	81.5	14.17	⁹ 10.1	6	11.7	86.3	51.3	9.2	9.1
69	do.	---	Adult	18	12.2	12.3	67.8	87.4	14.47	---	6.2	12	---	51.7	10.1	9.7
18332A	N. M. M.	Lake Boga	do.	18	12.2	13.4	67.8	88.7	14.53	⁷ 10.2	6.5	12.6	81	51.6	10.5	10.5
13301	do.	Lower Murray River	do.	18.3	12.4	13.7	67.8	89	14.80	⁷ 11.1	6.3	12.6	88.1	50	9.9	9.6
95	A. L. M.	---	do.	18.7	12.8	12.6	68.4	79.8	14.70	---	7	12.8	---	54.7	10.2	10.1
18499	N. M. M.	Koondrook	do.	18.4	12.6	12.9	68.5	83.2	14.63	² 10.8	6.8	12.5	86.4	54.4	10.1	10.4
15954	do.	Warrnamboul	do.	18.4	12.6	12.8	68.5	82.6	14.60	---	5.9	11.9	---	49.6	9.5	9.3
84	A. L. M.	---	do.	18	12.4	13.2	68.9	86.8	14.53	---	7.1	11.9	---	50.7	10.4	9.9
16997	N. M. M.	---	do.	18	12.4	12.9	68.9	84.9	14.43	² 9.6	6.3	12.2	78.7	51.6	10.7	10.2
12745	do.	Modewarre	do.	18.4	12.7	12.8	69	82	14.63	¹⁰ 10.2	7	12.2	83.6	57.4	10	9.7
13312	do.	Wimmera	do.	18.4	12.7	13.2	69	84.6	14.77	---	6.4	12.6	---	50.8	10.5	9.9
28862	do.	Gunbower Island	do.	18.2	12.6	12.5	69.2	81.2	14.43	---	6.7	12.9	---	51.9	10.3	9.8
12963	do.	Hamilton	do.	17.6	12.2	12.2	69.3	81.9	14	⁷ 10.2	6.2	12.9	86.4	52.5	10.3	9.8
13018A	do.	Near Koondrook	do.	18.6	12.9	13.2	69.4	83.5	14.90	¹⁰ 10.1	6.8	12.6	80.2	54	10.6	9.9
^a 72	A. L. M.	---	do.	18.7	13	13.3	69.5	84.2	15	⁹ 11.3	6.9	11.8	95.8	58.5	10	10.2
A10798	A. M. S.	---	do.	18.2	12.7	12.8	69.8	83.1	14.57	---	6.4	12.8	---	50	10.6	9.9
96	A. L. M.	---	do.	18	12.6	12.4	70	81	14.33	---	6.7	---	---	50	10.1	10
13308	N. M. M.	Wimmera	do.	18	12.6	13	70	85	14.53	² 10.4	6.8	13.1	79.4	51.9	10.5	10.1
^a 40	A. L. M.	---	do.	18.5	13	12.9	70.3	81.6	14.80	---	6.7	12.8	---	52.3	10.3	9.8
18498	N. M. M.	Koondrook	do.	18.7	13.2	13.8	70.6	86.2	15.23	⁴ 9.8	5.8	12.8	76.6	46.3	10.3	9.7
S1390	A. M. S.	---	do.	18.1	12.8	11.3	70.7	73.4	14.07	---	---	---	---	---	---	9.2
12858A	N. M. M.	Near Kerang	do.	18.1	12.8	12.8	70.7	83.1	14.57	² 10	6.5	12.6	79.4	51.6	10.5	10

VICTORIA CRANIA—Continued

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion Subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
• 13316	N. M. M.	Loddon	Adult	9	65.5	46	---	19 3.25	19 3.9	83.8	4.6	2.8	60.9	6.4	6.4	100
• 18505A	do	Koquga	do	9.6	62.5	42.5	---	3.15	3.9	80.8	18 4.2	2.9	69	---	6.6	110
14320	do	Yalea	do	8.4	66.5	51	3.95	3.45	3.85	89.6	18 4.8	2.5	62.1	6	6.7	121.8
39	A. L. M.	---	Near adult	8.3	70	56.5	3	3.22	3.65	88.2	4.2	2.55	60.7	5.5	6.3	112.5
69	do	---	Adult	8.8	68.5	45	---	3.22	3.75	90.7	18 4.45	2.65	59.5	5.6	6.4	104.9
18332A	N. M. M.	Lake Boga	do	9.4	72	53.5	3	3.4	3.75	90.8	18 4.55	2.7	59.4	6.1	6.3	110.5
13301	do	Lower Murray River	do	8.8	68	54	3.35	3.18	3.5	90.8	• 4.25	2.6	60.7	5.7	6.5	106.6
95	A. L. M.	---	do	9	69.5	52.5	3.42	3.42	3.75	91.2	4.9	2.55	52	6.1	6.1	108.9
18499	N. M. M.	Koondrook	do	9	73	51.5	3.2	3.4	3.6	94.4	18 5	2.4	48	5.6	6.1	108.9
15954	do	Warrnambaol	do	8.4	70	50	---	3	3.45	87	4.15	2.4	57.8	---	---	---
84	A. L. M.	---	do	9	66	50.5	---	3.55	3.75	94.7	4.7	2.65	56.4	6.2	6.3	101.6
16997	N. M. M.	---	do	9.6	68	54	3	3.25	3.8	85.5	4.25	2.6	61.2	6.1	6.5	106.6
12745	do	Modewarre	do	8.7	67	53.5	3.2	3.55	3.85	92.2	18 4.5	2.3	51.1	5.6	6	107.1
13312	do	Wimmera	do	9.2	67	48	---	3.35	3.9	85.9	4.4	2.7	61.4	6	6.9	115
28862	do	Gunbower Island	do	9.2	66.5	54	---	3.22	4	80.5	4.6	2.45	53.3	5.8	6.3	108.6
12963	do	Hamilton	do	9.1	68	51.5	3.2	3.2	3.65	87.7	4.15	2.75	66.3	5.8	6.4	110.3
13018A	do	Near Koondrook	do	9.3	65	53	3.3	3.3	3.7	81.1	4.3	2.45	57	6.1	6.2	101.6
• 72	A. L. M.	---	do	9	71.5	55	3.5	3.42	4	85.5	5	2.7	64	6.1	6.7	109.8
A10798	A. M. S.	---	do	9.2	66	45.5	---	3.7	4.05	91.4	18 4.45	2.55	57.3	5.9	6.4	108.5
96	A. L. M.	---	do	8.8	70	47.5	---	3.28	3.68	89.1	4.85	2.5	51.6	6	6.1	101.7
13308	N. M. M.	Wimmera	do	9	67	47.5	---	3.5	3.95	88.6	4.5	2.5	55.6	6.2	6.2	101.6
• 40	A. L. M.	---	do	8.7	67	40	3.3	19 3.4	19 3.95	86.1	4.8	2.6	54.2	6	7	116.7
• 18498	N. M. M.	Koondrook	do	9	67.5	42.5	---	2.95	3.65	80.8	18 4.15	2.7	65.1	5.9	6.6	111.9
S1390	A. M. S.	---	do	8.6	67.5	42.5	2.9	3.35	3.7	90.5	18 4.55	2.35	51.7	5.6	6.4	114.3
12858A	N. M. M.	Near Kerang	do	9.1	67.5	42	2.8	3.25	4	81.2	4.7	2.8	59.6	6.2	6.7	108.1

	A. L. M.				9.1	67.5	52		3.22	3.85	83.6	4.6	2.65	57.6	6	6.9	115
13	N. M. M.	Near Chatsworth	do	do	8.8	72	44.5	3.4	3.45	3.7	93.2	4.9	2.65	54.1	5.7	6.3	110.5
15109	do	Bream Creek	do	do	9.2	70	66	3	3.32	3.72	89.2	4.6	2.6	56.5	5.6	6.5	116.1
13311	A. L. M.		do	do	9.2				3.35	4	83.8	4.4	2.6	59.1			
54	N. M. M.	Near Koondrook	do	do	9.3	66.5	41.5	2.8	3.2	3.75	86.4	4.5	2.7	60	5.8	6.2	106.9
13011A	A. L. M.		do	do	9	67.5	51.5		3.2	3.8	84.2	4.65	2.7	58.1	5.9	6.6	111.9
57	N. M. M.	Near Koondrook	do	do	8.4	74	46.5	2.95	3.42	3.75	91.2	4.5	2.3	51.1	5.4	6.1	113
13020	N. M. M.		do	do	8.4				3.7	3.55	95.9	18.4.7	2.55	54.2			
A10800	A. M. S.	Ellderly	do	do													
13299	N. M. M.	Loddon	Adult.	do	8.8	68.5	50	2.9	3.5	3.8	92.1	4.8	2.7	56.2	5.8	6.3	108.6
16217	do	Near Ararat	do	do	8.8	72.5	56		3.55	3.9	91	4.55	2.55	56	5.6	6.8	121.4
13016A	do	Near Koondrook	do	do	8.2	64.5	43	2.9	2.9	3.8	76.3	4.2	2.7	64.3	5.5	6	109.1
37	A. L. M.		do	do	8.4	72	52.5		3.3	3.5	94.3	14.65	2.5	53.8	5.3	6.1	115.1
12928	N. M. M.	Frankston	do	do	9.4	67.5	51	3.3	3.25	3.75	86.7	18.4.65	2.65	57	6.1	6.7	109.8
41	A. L. M.		do	do	8.2	70	49		3.4	3.8	89.5	18.4.95	2.6	52.5	5.1	6	117.6
73	do		do	do	8.6	70	46.5	3.2	3.3	3.58	92.2	18.4.7	2.55	54.2	5.9	6.4	108.5
47	do		do	do	8.4	70.5	50.5		3.45	3.75	92	18.4.35	2.35	54	5.2	5.9	113.5
17749	N. M. M.	San Remo	do	do	9.6	71			19 3.5	3.9	89.7						
12	A. L. M.		do	do	8.8	69.5	54.5		3.42	3.78	90.5	14.8	2.5	52.1	5.8	6.4	110.3
10	do		do	do	8.8	72	54		3.45	3.7	93.2	5.05	2.65	52.5	5.5	6.1	110.9
19	do		do	do	9.4	66	52.5		3.18	3.65	87.1	18.5.05	2.65	52.5	5.9	6.5	110.2
16210A	N. M. M.		do	do	9.2	67	49.5	3.15	3.75	3.9	96.2	18.5.3	2.55	48.1	6.2	6.2	100
12810	do	Near Donald	do	do	8.4	64.5	47.5	2.9	3.52	3.82	92.1	18.4.5	2.6	57.8	5.7	6.2	108.8
13302	do	Rudy Creek	do	do	9.3	72	58	3.1	3.22	3.7	87	4.95	2.85	57.6	5.8	7	120.7
15	A. L. M.		do	do	8.6	69.5	55		3.4	3.55	95.8	18.4	2.25	56.2	5.3	5.8	109.4
Totals					(40) 436.5	(43) 68.5	(46) 50	(25) 78.25	(40) 163.61	(40) 184.73	(40) 88.6	(48) 220.35	(48) 124.05	(48) 255.5	(44) 281	(44) 6.39	(44) 110
Averages					8.91	68.5	50	3.13	3.34	3.77	88.6	4.59	2.58	56.2	5.81	6.5	110
Minima					8.2	62.5	40	2.8	2.9	3.45	76.3	4	2.25	48	5.1	5.8	100
Maxima					9.6	74	66	3.95	3.75	4.05	96.2	5.3	2.9	69	6.4	7	121.8

• (1) Surely female.

• (2) Full-blood; surely female.

• (a) Complete metopic suture.

• (b) Somewhat male-like, but malars, zygomae, mastoids, lower-jaw and parts of skeleton indicate female.

• (2) Moderate intranasal shelves.

• Asymmetrical

NOTE.—For footnotes to reference figures see p. 3.

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Racial Index, total $\left(\frac{a \times 100}{c}\right)$	Racial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
37	A. L. M.	-----	Adult	18	12	13.7	69.7	91.3	14.57	-----	6	12.6	-----	47.6	10.1	9.5
12614	N. M. M.	Pooncarie	do	18.7	12.5	12.9	66.8	82.7	14.70	-----	6.3	12.4	-----	50.8	10.5	10.3
617	A. L. M.	-----	do	18.9	12.8	12.4	67.7	78.5	14.70	-----	7.3	13.1	-----	55.7	11.1	10.1
621	A. L. S.	Port Jackson	do	18.2	12.4	13	68.1	85	14.53	-----	6.4	12.5	-----	51.2	10.2	10.2
8055	A. M. S.	-----	do	17.7	12.1	12.3	68.4	82.6	14.03	-----	6.6	12.5	-----	51.2	10.6	10
1	A. L. M.	-----	do	18.5	12.7	12.2	68.7	82.2	14.47	-----	6.4	12.2	-----	47.5	9.4	9.7
S1613	A. M. S.	Newcastle	do	18.2	12.5	13.1	68.7	85.1	14.60	-----	5.8	12.2	-----	-----	-----	9.8
S965	do	Darling River	do	18.6	12.8	12.9	68.8	82.2	14.77	-----	(13)	12.7	-----	-----	-----	9.1
A11775	do	Cobar	do	18	12.4	13.2	68.9	86.8	14.53	10.5	6.8	12.6	86.1	55.7	9.8	9.8
210	S. A. M. A.	Albamarle, Menindie	do	18	12.6	12.2	70	79.7	14.27	-----	6.6	12.6	-----	52.4	10.3	9.3
13	A. L. M.	-----	do	18.5	13	12.8	70.3	86.4	14.80	7 10.7	6.5	12.3	82.3	50	10.2	10.2
890	A. L. S.	-----	do	17.6	12.4	12.6	70.4	84	14.20	-----	6.4	12.7	-----	52	10.2	9.8
S1615	A. M. S.	Newcastle	do	18	12.7	13.1	70.6	85.1	14.60	-----	5.9	12.7	-----	46.5	9.9	9.4
38	A. L. M.	-----	do	18	12.7	13.2	70.6	85.7	14.63	-----	7	12.7	-----	55.1	10.8	10.1
1179	A. M. S.	Mudgee	do	18	12.8	12.6	71.1	81.8	14.47	2 11	5.6	11.6	86.6	48.3	9.4	9.1
b 18497	N. M. M.	-----	do	18.2	13	12.6	71.4	80.8	14.60	-----	(13)	13.4	77.6	-----	-----	9.8
12724	do	-----	do	18.2	13	13.6	71.4	87.2	14.93	4 10.4	6.8	13	-----	52.3	10.1	9.3
A47	A. M. S.	Cowra	do	19	13.6	12.8	71.6	78.5	15.13	-----	6.9	12.6	87.3	54.8	10.6	9.6
• 16995	N. M. M.	Deniliquin	do	18	12.9	12.1	71.7	78.6	14.33	7 11	6.9	12.5	85.6	55.2	10.3	9.6
431	S. A. M. A.	Moorna	do	18	12.9	13.1	71.7	85.1	14.67	2 10.7	5.8	12.2	77.9	47.5	9.4	9.3
28	A. L. M.	-----	do	17.2	12.4	12.4	72.1	83.8	14	4 9.5	6.5	13.3	-----	48.9	9.9	9.8
A11961	A. M. S.	Wellington Caves	do	18.6	13.5	13.6	72.6	85	15.23	-----	6.7	12.6	-----	53.2	10.3	10
25	A. L. M.	-----	do	18.6	13.5	12.4	72.6	77.5	14.83	-----	6.7	11.6	-----	57.8	10	10
618	A. L. S.	Near Sydney	do	17.9	13	13.2	72.6	85.7	14.70	9 10.8	6.7	11.6	93.1	-----	-----	-----
11963	A. M. S.	Yass district	do	17.9	13	13.2	72.6	85.7	14.70	-----	6.7	11.6	-----	-----	-----	-----

[illegible]

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 61.

NEW SOUTH WALES CRANIA—Continued

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
37	A. L. M.	-----	Adult	8.8	67	44	-----	3.55	3.85	92.2	4.3	2.5	58.1	5.8	6	103.4
12614	N. M. M.	Pooncarie	do	9.4	70.5	45.5	-----	3.62	3.82	94.8	4.8	2.6	54.2	5.8	6.7	115.5
621	A. L. M.	-----	do	9.4	63	45	-----	3.2	3.7	86.5	4.8	3	62.5	6.3	6.6	104.8
8055	A. L. S.	Port Jackson	do	9.2	72	51.5	-----	3.18	3.8	83.7	4.8	2.55	53.1	6	6.4	106.7
1	A. M. S.	-----	do	9.4	66.5	59.5	-----	3.05	3.72	82	4.8	2.4	68.6	6	6.6	110
S1613	A. L. M.	Newcastle	do	9.2	67	57	-----	3	3.7	81.1	4.25	2.5	58.8	6.2	6.5	104.8
S965	A. M. S.	-----	do	8.4	69	50	-----	3	3.5	85.7	4.2	2.3	54.8	5.3	6.6	124.5
A11775	do	Darling River	do	8.6	-----	-----	-----	3.45	3.75	92	4.85	2.85	58.8	-----	-----	-----
210	do	Cobar	do	8.8	70	58.5	3.3	3.2	3.85	83.1	4.6	2.6	56.5	5.8	6.6	113.8
13	S. A. M. A.	Albamarle, Menindie	do	8.8	62.5	43.5	-----	2.9	3.7	78.4	4.55	2.8	61.5	6	6.3	105
890	A. L. M.	-----	do	9.2	68	48.5	-----	3.25	3.75	86.7	5.05	2.7	53.5	6.1	6.5	106.6
S1615	A. L. S.	-----	do	9.4	72.5	58	2.9	3.2	3.85	83.1	4.85	2.6	53.6	5.7	6.5	114
38	A. M. S.	Newcastle	do	9	68	49.5	-----	2.95	3.5	84.3	4.55	2.55	56	5.9	6.1	103.4
1179	A. L. M.	-----	do	9.2	73	53	-----	3.32	3.75	88.5	-----	-----	-----	5.9	6.7	113.6
b 18497	A. M. S.	Mudgee	do	9.6	65.5	52	3.35	3.1	3.55	87.5	4.5	2.8	62.2	5.5	6.7	121.8
12724	N. M. M.	-----	do	8.4	69.5	49.5	-----	3.05	3.7	82.4	4.95	2.9	58.6	6.2	6.6	106.4
A47	do	-----	do	8.4	69.5	49.5	-----	3	3.8	79	4.05	2.3	56.8	5.4	6	111.1
c 16995	A. M. S.	Cowra	do	8.8	-----	-----	3.4	3.4	3.9	87.2	4.7	2.5	53.2	-----	-----	-----
431	N. M. M.	Deniliquin	do	8.6	63.5	46	-----	3.1	3.75	82.7	4.6	2.7	58.7	5.9	7	118.6
28	S. A. M. A.	Moorna	do	9	62.5	44	3.4	3.52	3.85	91.4	4.65	2.75	59.1	6.4	6.9	107.8
A11961	A. L. M.	-----	do	8.9	64.5	49	3.45	3.22	3.55	90.7	4.6	2.55	55.4	6.2	6.1	98.4
25	A. M. S.	Wellington Caves	do	8.2	71	48.5	2.75	3.12	3.7	84.3	4	2.4	60	5.3	6.2	117
618	A. L. S.	-----	do	9	70	55.5	-----	3.32	3.98	83.4	4.75	2.5	52.6	5.8	6.3	108.6
11963	A. M. S.	Near Sydney	do	9	68.5	44	-----	3.38	3.8	83.9	4.98	2.55	51.2	6.3	6.4	101.6
	A. M. S.	Yass District	do	8.8	70.5	52.5	3.3	3.18	3.7	85.9	4.6	2.6	56.5	5.8	6.7	115.5

SI614	do	Newcastle	do	do	72	(36)	(42)	(36)	(42)	(44)	(44)	(43)	(43)	(40)	(40)	5.7	6.2	108.5
1185	do	do	do	do	8.9	68	32	32	3.38	3.65	87.7	184.2	2.3	54.8	5.7	6.2	108.5	
1196	do	Klama	do	do	8.6	68	32	32	3.52	3.68	91.9	184.5	2.5	55.6	5.7	5.9	103.8	
36	A. L. M.	do	do	do	9	65	49	49	3.3	3.85	85.7	184.6	3	65.2				
AI1776	A. M. S.	Cobar	do	do	8.8	75	61.5	61.5	3.12	3.5	89.1	184.7	2.6	55.2	5	6.1	122	
33	A. L. M.	Just adult	do	do	9	69	53	53	3.15	3.72	84.7	184.45	2.65	59.5	5.7	6.5	114	
B7065	A. M. S.	Cobar	do	do	9.2	66.5	43.5	43.5	3.35	3.7	90.5	4.8	2.65	66.7	6.3	6.3	100	
SI616	do	Newcastle	do	do	8.8	67	45.5	45.5	2.95	3.7	79.7	4.3	2.65	61.6	5.8	6.4	110.3	
39	S. A. M. A.	Wentworth	do	do	9.2	64.5	46.5	46.5	19 3.2	19 3.7	86.5	4.55	2.7	59.4	6.2	6.9	111.3	
40	do	Tolarno	do	do	8.6	69	54	54	3.35	3.9	96.2	4.65	2.8	60.2	5.5.6	6.4	114.3	
1197	A. M. S.	Murumbidgee	do	do	8.6	69	54	54	3.1	3.75	82.7	4.15	2.8	67.5	5.5.6	6.4	114.3	
24	A. L. M.	do	do	do	8.6	70	51.5	51.5	3.45	3.75	92	5	2.45	49	5.9	6.2	105.1	
1311	A. L. S.	Near Sydney	do	Near adult	9	72	44	44	3.3	3.8	94.7	4.5	2.5	55.6	5.9	6.4	108.5	
SI157	A. M. S.	Jervis Bay	do	Adult	8.6	72	44	44	3.45	3.8	90.8	184.9	2.6	52.5	5.5	6.4	116.4	
1201	do	do	do	do	8.5	71.5	51.5	51.5	3.52	3.78	93.1	184.7	2.55	54.2	5.4	5.9	109.3	
AI1962	do	Yass District	do	do	7.6	75	46.5	46.5	2.9	3.5	82.9	184.05	2.35	58	5.2	5.9	113.5	
1173	do	do	do	do	8.6	73	62.5	62.5	18 3.6	18 3.8	94.7	4.45	2.75	61.8	6.1	6.6	108.2	
SI398	do	Cockle Creek	do	do	8.6	70.5	52	52	3.1	3.55	90.2	4.55	2.65	60.9	5.6	6.3	112.5	
SI612	do	Newcastle	do	do	8.6	70.5	52	52	2.7	3.2								
Totals	do	do	do	do	372.9	(36)	(36)	(36)	(42)	(44)	(44)	(43)	(43)	(40)	(40)			
Averages	do	do	do	do	8.88	69	50	50	3.1	3.73	87.4	4.53	2.62	57.8	5.82	6.4	110	
Minima	do	do	do	do	7.6	62.5	32	32	2.6	3.5	78.4	3.5	2.3	49	5	5.9	98.4	
Maxima	do	do	do	do	9.6	75	62.5	62.5	3.45	4.1	96.2	5.05	3.2	68.6	6.4	7	124.5	

^a Looks somewhat male-like, but probably female.

^b Surely female.

^d Most signs indicate female and original note on skull says female.

^e Mastoids and face female, but supraorbital ridges, zygomae, and muscular impressions male-like, yet probably female.

^f Heavy.

^g Possibly mixed blood.

^h All upper incisors trace shovel-shaped.

^h Very pronounced intranasal shelves.

ⁱ Inner nose.

^j Right=4.85; Left=5.1.

^k Asymmetrical.

^l Nasal floor below anterior subnasal border.

^m Moderate intranasal shelves.

NOTE.—For footnotes to reference figures see p. 3.

QUEENSLAND CRANIA

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
15225	A. M. S.	Mapoon	Adult	19	12	12.3	63.2	79.4	14.43	10 10.3	6.3	12.4	83.1	50.8	10.1	9.6
15226	do	do	do	18.8	12.2	12.9	64.9	83.2	14.63	29.8	6.2	12	81.7	51.7	9.9	9.7
15236	do	Carandotta	do	17.9	11.9	12.8	66.5	85.9	14.20	4 11.1	6.8	12.3	90.2	55.3	10.3	9.8
15205	do	Between Starcke and Jeanie Rivers.	do	19	12.7	13.1	66.8	82.9	14.93		6.3	13		48.5	10.4	10.1
886	A. L. S.	Cape York Peninsula	do	17.2	11.6	12.2	67.4	84.7	13.67		6.3	12.1		52.1	10.3	9.7
1247	A. M. S.	Brisbane	do	18.6	12.6	13.7	67.7	87.8	14.97		(4)	12.2				9.5
15155	do	Roxburgh Downs	do	18.1	12.3	12.6	68	82.9	14.33	4 10.1	(13)	12.8				9.4
11444	S. A. M. A.	North Queensland	do	18.8	12.8	13.3	68.1	84.2	14.97		(36)	12.6				9.7
15204	A. M. S.	Between Starcke and Jeanie Rivers.	do	18.1	12.4	12.6	68.5	82.9	14.37		6.1	11.9		51.3	9.4	9.2
15227	do	Mapoon	do	18.8	12.9	12.8	68.6	81	14.83	9 11.5	6.7	12.9	82.2	54.3	10	9.4
15188	do	South Keppel Island	do	18.9	13	13	68.8	81.2	14.97	2 10.5	6.5	12.6	83.3	51.6	10.4	9.6
15220	do	Kuranda	do	18.6	12.8	12.4	68.8	79	14.60	10 9.6	5.9	11.8	81.4	50	9.6	9.5
15228	do	Normanton	do	17.6	12.2	13.6	69.3	91.3	14.47	4 9.8	6.2	11.6	84.5	53.4	9.8	9.4
15210	do	Melvor River	do	18.6	12.9	12.8	69.4	89.4	14.77	7 10.2	6.1	13.2	77.3	46.2	10	9.8
11412	S. A. M. A.	North Queensland	do	17.5	12.2	12.8	69.7	86.5	14.17	7 10.1	6.4	11.8	85.6	54.2	9.4	9.2
15160	A. M. S.	Walgra	do	17.5	12.2	12	69.7	81.1	13.90	(32)	6.2	12.3		50.4	10.2	9.5
15180	do	do	do	17.5	12.2	12.8	69.7	86.5	14.17	3 10.8	6.7	12.4	87.1	54		9.4
B1765	do	do	do	17.8	12.4	12.9	69.7	85.4	14.37		6.2	12.4		50	10.3	9.9
15202	do	Mount Cook	do	17.3	12.1	12.2	69.9	83	13.87	10 9.6	6.5	12.1	79.3	53.7	10	9.4
15187	do	South Keppel Island	do	18	12.6	13.4	70	87.6	14.67	2 11.1	6.5	12.4	89.5	52.4	10.7	10.4
1228	do	Wide Bay	do	18.4	12.9	12.8	70.1	89	14.70		6.9	12.9		53.5	10.6	9.7
170	S. A. M. A.	do	do	18.5	13	12.6	70.3	79.8	14.70	10.7	6.4				10.4	10.5
1203	A. M. S.	Brisbane	do	17.6	12.4	12.8	70.4	85.3	14.27		6.2					9.3
15211	do	Melvor River	do	17.8	12.6	12.9	70.8	84.9	14.43	7 10.5	6.4	12.6	83.3	50.8	10.6	9.6
368	do	Russel River	do	17.8	12.6	13.4	70.8	88.2	14.60		6.5	13		50	10.7	10.2

	N. M. M.		18	12.8	12.6	71.1	81.8	14.47	79.8	5.8	12.2	80.3	47.5	9.9	9.8
12920	do	North Keppel Island	17.3	12.3	13.9	71.1	93.9	14.50	710.1	5.13	11.6	87.1	55.2	10.6	9.8
15217	A. M. S.	Lower Mitchell River	18.4	13.1	12.1	71.2	76.6	14.53	710.1	6.7	12.7	87.1	55.2	9.9	9.6
18827	N. M. M.	Isis Ford	17.7	12.6	12.9	71.2	76.6	14.40	710.1	5.9	12.1	87.1	55.2	10.6	10
15167	A. M. S.	South Keppel Island	17.2	12.3	12.9	71.5	87.2	14.13	710.1	6.8	12.3	88.6	55.3	9.9	9.6
15219	do	Kuranda	17.6	12.6	12.9	71.6	87.2	14.13	710.1	6.8	12.3	88.6	55.3	9.9	9.6
15233	do	Riversleigh	17.1	12.2	12.9	71.8	88.4	14.03	710.1	6.8	12.3	88.6	55.3	9.9	9.6
15194	do	Mount Cook	17.8	12.3	12.9	71.8	88.4	14.10	710.1	6.8	12.3	88.6	55.3	9.9	9.6
a 15162	do	Bellenden Ker	17.5	12.8	13.4	71.9	87.6	14.67	710.1	5.7	11.9	81.5	47.9	10.2	9.8
15055	do	do	17.5	12.6	13.4	72.2	89.3	14.50	710.1	6	12.4	83.3	50	10.2	10.2
15182	do	do	18	13	13.4	72.2	86.4	14.80	710.1	6	12.4	83.3	50	10.2	10.2
7	A. L. M.	do	17.9	13	13	72.6	84.4	14.63	710.1	6.6	12.2	83.3	50	10.2	9.4
1241	A. M. S.	Cape York	17.6	12.8	13	72.7	85.5	14.47	710.1	5.5	12.5	83.3	50	10.2	9.7
367	do	Russel River	17.8	13	13.2	73.1	86.8	14.67	710.1	6.3	12.9	82.2	48.8	9.6	9.6
3241	do	Northwest Queensland	17.5	12.8	13.2	73.1	86.8	14.50	710.1	6.3	12.9	82.2	48.8	9.6	9.6
15191	do	Miriam Vale	17.9	13.1	12.4	73.2	80	14.47	710.1	7	12.6	81	49.2	9.7	9.4
15238	do	Corandotta	17.3	12.7	12.3	73.4	82	14.10	710.1	6.2	12.5	83.5	49.6	9.7	9.8
15197	do	Mount Cook	17.6	13.1	13	74.4	84.4	14.37	710.1	6.6	12.7	83.5	49.6	9.7	9.5
1236	do	Brisbane	17.3	13	12.8	76.1	84.2	15	710.1	7.2	12.9	87.6	52	9.8	9.4
15232	do	Mackay	17.9	13.7	13.4	76.5	84.8	14.30	710.1	6.3	12.2	89.3	55.8	9.9	10.2
b 15200	do	Yeppoon	16.9	13	13	76.9	86.7	14.43	710.1	(13)	12.5	86.4	51.6	9.2	9.6
15179	do	do	17.3	13.3	12.7	77	89	14.07	710.1	6.5	12.1	86	53.7	10	9.4
15235	do	Corandotta	16.5	12.7	13	77.4	89	14.07	710.1	5.8	13	86	53.7	10	9.3
k 15158	do	do	16.8	13	12.4	78.5	83.2	14.50	710.1	6.5	12.1	87.6	53.7	9.4	9.4
15240	do	Corandotta	17.2	13.5	12.8	78.5	83.1	14.50	710.1	6.5	12.1	87.6	53.7	9.4	9.3
15196	do	Barron River	16.7	13.6	12.7	81.4	83.6	14.33	710.1	6.7	12.9	87.6	51.9	10.1	9.8
m 15229	do	Cape York	16.7	13.6	12.7	81.4	83.6	14.33	710.1	6.7	12.9	87.6	51.9	10.1	9.8
Totals			907.5	646.4	644	71.2	84.5	14.45	331.8	286.9	570.6	83.8	51.4	399.7	482.9
Averages			17.79	12.67	12.88	71.2	84.5	14.45	331.8	286.9	570.6	83.8	51.4	399.7	482.9
Minima			16.5	11.6	12	63.2	76.6	13.67	10.37	6.38	12.4	75.4	44	9.2	9.2
Maxima			19	13.7	13.9	81.4	93.9	15	11.5	7.2	13.2	90.2	55.8	10.7	10.5

NOTE.—For footnotes to reference figures see p. 3. For footnotes to reference letters see p. 65

QUEENSLAND CRANIA—Continued

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion Subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
15225	A. M. S.	Mapoon	Adult	8.8	67	42	2.8	3.45	3.85	89.6	4.7	2.6	55.3	6	6.7	111.7
15226	do.	do.	do.	8.8	70	48	3	3.42	3.9	87.7	4.6	2.9	63	6	5.9	103.5
15236	do.	Carandotta	do.	8.9	66.5	50.5	3.5	3.3	3.8	86.8	18 4.45	2.45	55	6	5.9	93.3
15205	do.	Between Starcke and Jean- nie Rivers.	do.	9.2	69.5	48.5	---	3.05	3.75	81.3	18 4.5	2.5	55.6	5.7	6.5	114
886	A. L. S.	Cape York Peninsula	do.	9.2	66.5	47	---	2.85	3.45	82.6	4.7	2.85	60.6	5.9	6.8	115.2
1247	A. M. S.	Brisbane	do.	8.3	---	---	---	3.15	3.8	82.9	4.2	2.7	64.3	---	---	---
15155	do.	Roxburgh Downs	do.	8.4	---	---	2.7	3.22	3.72	86.6	4.65	2.65	57	5 (5.5)	5 (5.9)	(107.3)
11444	S. A. M. A.	North Queensland	do.	9.1	---	---	1 (3.4)	3.55	3.75	94.7	18 4.7	2.7	57.4	---	---	---
15204	A. M. S.	Between Starcke and Jeannie Rivers.	do.	8	69.5	45.5	---	2.98	3.65	81.6	4.15	2.35	56.6	5.4	6	111.1
15227	do.	Mapoon	do.	8.4	64.5	43	3.5	3.55	3.85	92.2	18 4.85	2.65	54.6	6	6.5	108.3
15188	do.	South Keppel Island	do.	9	65	46.5	3.2	3.22	3.65	88.2	4.45	2.5	56.2	5.7	5.9	103.5
15220	do.	Kuranda	do.	8.4	71	40	2.9	3.4	3.85	88.3	18 4.5	2.45	54.4	---	---	---
15228	do.	Normanton	do.	8.5	69	43.5	2.8	3.25	3.85	84.4	4.45	2.9	65.2	5.6	6.5	116.1
15210	do.	Melvor River	do.	8.8	70.5	47.5	3	3.5	3.7	84.6	4.35	2.55	60.9	5.5	6.1	110.9
11412	S. A. M. A.	North Queensland	do.	8.2	68.5	50	2.8	3.48	3.62	96.1	18 4.4	2.6	59.1	5.4	6.2	114.8
15160	A. M. S.	Walgra	do.	9.2	66	56	2.95	3.12	3.6	86.7	4.2	2.35	56	5.9	6.2	105.1
15180	do.	do.	do.	8.4	---	---	3.3	3.32	3.7	89.7	18 4.6	2.45	53.3	5.6	6.3	100
B1765	do.	do.	do.	9	69	44	---	3.12	3.72	83.9	4.5	2.8	62.2	6.1	5.6	108.2
15202	do.	Mt. Cook	do.	8.2	65.5	38.5	2.9	3.35	3.85	87	18 4.4	2.45	55.7	6.1	6.3	103.3
15187	do.	South Keppel Island	do.	9.6	70	53	3.4	3.25	3.68	88.3	4.6	2.6	56.5	5.8	6.2	106.9
1228	do.	Wide Bay	do.	9.4	63.5	54	---	3.1	3.8	91.6	4.6	2.7	58.7	5.9	6.3	106.8
170	S. A. M. A.	do.	do.	9.4	73	51	3	20 3.6	20 3.95	91.1	4.8	2.4	50	5.9	6.2	105.1
1203	A. M. S.	Brisbane	do.	8.4	---	---	---	20 3.2	20 3.75	85.3	4.3	2.5	58.1	---	---	---
15211	do.	Melvor River	do.	9.2	63.5	49	3.5	2.92	3.75	77.9	4.1	2.65	64.6	6.3	6.5	103.2
368	do.	Russel River	do.	9.6	68	51	---	3.28	3.75	87.5	4.7	2.8	59.6	5.8	6.5	112.1

	N. M. M.	North Keppel Island.	do.	8.8	72	50	3	3.15	3.5	90	18 4.15	2.2	53	5.2	5.6	107.7
12920	A. M. S.	Lower Mitchell River.	do.	8.5			2.8	3.32	3.5	94.8	4.6	2.5	54.4			
15217	N. M. M.	Isis Ford.	do.													
15167	A. M. S.	South Keppel Island.	do.	9.2	66.5	43.5	2.8	3.35	3.7	90.5	4.85	2.5	51.6	5.8	6.7	115.5
15219	do	Kuranda.	do.	9	69.5	56		3.15	3.7	85.1	4.15	2.55	61.4	5.7	5.9	108.5
15194	do	Riversleigh.	do.				3.1	3.3	3.6	91.7	4.7	2.35	50	5.9	6	101.7
15162	do	Mount Cook.	do.	8.2	72	56	2.9	3.42	3.9	87.7	4.8	2.6	54.2	5	5.9	118
10505	do	Bellenden Ker.	do.	8.8	67	46	3.2	3.28	3.95	83	4.8	2.85	59.4	6.3	6.9	109.5
15182	do	Near adult	do.	8.7	70	48	2.6	3.05	3.65	84.7	4.3	2.7	62.8	5.4	6.5	120.4
7	do	Adult	do.	9.3	73	55.5	3.05	3.1	20 3.9	92.3	4.3	2.6	57.8	5.5	6	109.1
1241	A. L. M.		do.	8.4	73.5	56		20 3.6	3.6	87.5	4.55	2.55	56	5.4	6.2	114.8
367	A. M. S.	Cape York.	do.	8.8	67.5	49		2.9	3.6	80.6	3.9	2.4	61.5	5.7	6.2	108.8
3241	do	Russel River.	do.	8.8	69.5	47.5		19 3.15	3.7	85.1				5.9	6	101.7
15191	do	Northwest Queensland.	do.					3.15	3.6	80.6						
15238	do	Mirriam Vale.	do.	8.3	71	47	2.9	3.28	3.65	89.9	4.4	2.8	63.6		6.3	106.8
15197	do	Corandotta.	do.	8.6			3.2	2.95	3.85	76.6	4.2	2.7	64.3	5.9		
1236	do	Mount Cook.	do.	8.4	70	50		3.4	3.75	90.7	18 4.85	2.7	55.7			
15232	do	Near adult	do.	8.7	69.5	54.5		3.3	3.6	91.7	4.25	2.65	62.3	5.6	6.3	112.5
15179	do	Brisbane	do.	8.8	71.5	52.5	2.85	3.35	3.65	91.8	4.8	2.45	51	5.6	6.4	114.3
15235	do	Mackay.	do.	9	74	56.5	3.1	3.55	3.75	94.7	5.3	2.65	50	5.6	6.4	116.4
15158	do	Yeppoon.	do.	8.3			3	3.15	3.7	85.1	18 4.5	2.45	54.4	5.5	6.4	
15240	do	Corandotta.	do.	8.6			3.1	3.45	3.88	88.9	4.85	2.55	52.6			
15196	do	Corandotta.	do.	8.6	65	44	3.2	3.45	3.88	92.3	4.6	2.7	58.7	5.6	6.5	116.1
15229	do	Barron River.	do.	8.8	65.5	35.5	3	3.25	4	78.8	18 4.35	2.7	62.1	6.1	6.7	109.8
	do	Cape York.	do.	8.2	69	48.5	2.75	3.25	3.72	87.4	18 4.6	2.6	56.5	6	6.3	105
	do		do.	9	68	52		3.12	3.58	87.2		2.4	50	5.9	6.1	103.4
Totals.				(43)	(40)	(40)	(33)	(50)	(50)	(50)	(49)	(49)	(40)	(40)	(40)	(40)
Averages				420.2	68.5	49	99.8	162.75	186.65	87.4	221.45	126.65	230.6	5.76	251.4	109
Minima				8.75	63.5	35.5	2.6	2.85	3.45	76.6	3.9	2.2	50	5	5.6	98.3
Maxima				9.6	74	58	3.5	3.6	4	96.1	5.3	2.9	65.2	6.3	6.9	120.4

! Upper and lower posterior premolars missing.
m Marked "Tasmanina type of skull," and it is so. Occiput slightly asymmetrical;
prominent parietal bossae.
n Possibly slight occipital compression.
o Upper third molars both diminutive.
p Decidedly thick intranasal shelves.
q Medium intranasal shelves.
r Marked intranasal shelves.

NOTE.—For footnotes to reference figures see p. 3.

a Large female.
b Surely female.
c Supraorbital ridges male-like, but probably female.
d Whole skeleton; large female.
e Probably strong, young female.
f Tall strong male.
g Maikunduno tribe.
h Both upper third molars still in sockets; both lower third molars fully erupted.
i Supernumerary behind right upper median incisor.
j Third molars erupted—tiny; basal suture closed.
k Karunti tribe.

WEST AUSTRALIAN CRANIA

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
97	S. A. M. A.	---	Adult	17.8	12.1	13	68	86.7	14.30	---	6.3	12.2	---	51.6	9.5	9.4
• S1580	A. M. S.	Near Malcolm	do	18.6	12.7	13.5	68.5	86.5	14.93	9 10.7	6.5	12.7	84.2	51.2	10	10
• 171	S. A. M. A.	---	do	18.5	12.8	12.6	69.2	80.8	14.63	---	6.1	12.4	---	49.2	10.3	9.6
3	do	Murchison District	do	17.4	12.4	13	71.3	87.2	14.27	11	6.6	12.1	90.9	49.6	10.2	9.6
• 58	do	---	do	18.6	13.4	12.6	72	78.8	14.87	4 10.3	6.4	13.1	78.6	48.8	9.8	9.2
2	do	Geraldton	do	17.3	12.7	12.4	73.4	82.7	14.13	---	6.1	12.4	---	49.2	9.8	9.5
109	do	Bunbury	do	17.3	13.4	12.7	77.5	82.5	14.47	---	4 6.7	11.9	---	56.2	9.9	9.5
Totals				125.5	89.5	89.8	(7)	(7)	(7)	(9)	(7)	(7)	(8)	(7)	(7)	(7)
Averages				17.93	12.78	12.83	71.3	84.2	14.51	10.67	6.38	12.4	84.4	51.4	9.93	9.54

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth max.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, max. (b)	Palatal Index $\left(\frac{b \times 100}{1}\right)$
97	S. A. M. A.	---	Adult	8.3	70	44	---	3.25	3.7	87.8	18 4.7	2.7	57.4	5.5	6.3	114.4
• S1580	A. M. S.	Near Malcolm	do	8.8	71	51	3.3	3.35	3.75	89.3	4.6	2.8	60.9	6	6.8	113.2
• 171	S. A. M. A.	---	do	9.1	66.5	49.5	---	3.05	3.8	80.3	4.2	2.35	56	5.8	6.2	106.9
3	do	Murchison District	do	8.7	65.5	44.5	---	3.4	4.05	84	4.55	2.55	56	6.4	6.4	100
• 58	do	---	do	8.4	65.5	45	---	3.15	3.82	82.4	4.4	2.8	62.6	5.8	6.2	106.9
2	do	Geraldton	do	8.6	69	48	---	3.4	3.85	88.3	4.3	2.6	60.5	5.8	6.7	115.5
109	do	Bunbury	do	8.9	67	54	---	3.28	3.85	85.2	4.8	2.35	49	5.7	6.1	107
Totals				60.8	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Averages				8.68	68	47.5	---	3.27	3.83	85.4	4.51	2.59	57.4	41	44.7	108.9

• Large female.

• Everything indicates a female.

• Massive; parietal = 6-7 mm.

NOTE.—For footnotes to reference figures see p. 3.

NORTHWEST AUSTRALIAN CRANIA

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum. (glabella and maximum)	Diam. lateral maximum.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum. (c)	Facial Index, total $\left(\frac{c}{a \times 100}\right)$	Facial Index, upper $\left(\frac{c}{b \times 100}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
223	S. A. M. A.	King Leopold Range.	Adult.	17.2	12	12.8	69.8	87.7	14	9 10.3	6 6.7	11.7	88	57.3	10	9.5
17	Dr. Basedow's.	Derby.	do.	18.4	13	13	70.6	82.8	14.80	---	6.4	12.4	---	51.6	---	9.8
	A. L. A.		do.	16.8	12.6	12.9	75	87.8	14.10	---	(6)	13.4	---	---	---	---
Totals.				(3)	(3)	(3)	(3)	(6)	(3)	---	(21)	(3)	---	(4)	---	(2)
Averages.				52.4	37.6	38.7	71.7	86	14.30	---	6.55	12.5	---	64.4	---	9.65

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maximum.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
223	S. A. M. A.	King Leopold Range.	Adult.	8.6	°	°	---	3.45	3.85	89.6	13 4.8	2.3	47.9	---	6.4	114.3
17	Dr. Basedow's.	Derby.	do.	8.9	69.5	43.5	---	3.3	3.75	88	5	2.55	51	5.6	---	---
	A. L. A.		do.	9	---	---	---	3.55	3.75	94.7	(a)	2.7	---	---	---	---
Totals.				(3)	---	---	---	(3)	(3)	(3)	(2)	(3)	(3)	---	---	---
Averages.				26.5	---	---	---	10.3	3.78	90.7	4.9	2.52	49.5	---	---	---

^a Nasal bones anomalous.

NOTE.—For footnotes to reference figures, see p. 13.

CENTRAL AUSTRALIAN CRANIA

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
(a)	Dr. Basedow's.	Flinder's Ranges.	Adult.	19.2	12.7	12.1	66.2	75.6	14.67	9.9	6.2	12.5	79.2	49.6	10.3	10.1
	do.	Mt. Hoplen.	do.	18.5	12.8	12.6	69.2	80.8	14.63	10 10	(13)	12.5	80			9.8
Totals				(2)	(2)	(2)	67.6	78.2	(2)	(2)		(2)	79.6			(2)
Averages				18.85	12.75	12.35			14.65	9.95		12.5				9.95

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{1}\right)$
(a)	Dr. Basedow's.	Flinder's Ranges.	Adult.	9.3	70.5	51.5	2.9	2.9	3.65	79.5	4.6	2.6	56.5	5.9	6.5	110.2
	do.	Mt. Hoplen.	do.	8.2			2.9	3.55	3.9	91	18 4.7	2.6	55.3			
Totals				(2)			(2)	(2)	(2)	(2)	(2)	(2)	(2)			
Averages				17.5			5.8	6.45	7.55	85.2	9.3	5.2				
				8.75			2.9	3.22	3.78		4.65	2.6	55.9			

* Whole skeleton; surely female.

NOTE.—For footnotes to reference figures see p. 3.

AUSTRALIAN CRANIA. (LOCALITY UNKNOWN)

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
53	S. A. M. A.		Adult	18.4	12.8	13	69.6	83.5	14.73		6.8	11.8		57.6	10	9.7
111	do.		do.	18.3	12.8	12.4	70	79.5	14.50		6.4	12.8		50	10.5	10.2
12923	N. M. M.		do.	17.4	12.4	13.1	71.3	87.9	14.30		6.1	12		50.8	9.8	9.4
Totals				54.1	38	38.5	70.3	83.6	(3)		(3)	36.6		(3)	30.3	29.3
Averages				18.03	12.67	12.83			14.51		6.43	12.2		52.7	10.1	9.77

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{1}\right)$
53	S. A. M. A.		Adult	8.8	67.5	50.5		3.42	3.65	93.7	4.8	2.6	54.2	5.6	5.8	103.6
111	do.		do.	9.4	69.5	53		3.25	3.8	85.5	18.4	2.5	56.8	5.8	6.3	108.6
12923	N. M. M.		do.	8.8	68	53		3.08	3.65	84.4	4.3	2.7	62.8	5.7	6.2	108.8
Totals				27	68.5	52.5		9.75	11.1	87.8	(3)	7.8	(3)	(3)	(3)	(3)
Averages				9				3.25	3.7		4.5	2.6	57.8	5.7	6.1	107

* Asymmetrical.

NOTE.—For footnotes to reference figures see p. 3.

ABSTRACT: AUSTRALIAN CRANIA

MALE

	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
South Australia.....	(193) Totals - 3,779.1 Means - 19.09	(197) 2,621.3 13.81	(186) 2,431.9 13.07	(197) 69.7	(186) 80.7	(186) 15.15	(101) 1,155.4 11.45	(109) 1,175.9 6.96	(161) 2,182.7 13.56	(97) 84.3	(157) 51.2	(155) 1,670.5 10.71	(183) 1,868.3 10.26
Northern Territory.....	(103) Totals - 1,910.3 Means - 18.55	(103) 1,328.9 12.9	(101) 1,365.6 13.52	(103) 69.6	(101) 86	(101) 14.99	(78) 877.2 11.25	(86) 655.4 6.9	(101) 1,365.8 13.52	(77) 83.2	(97) 51	(91) 968.4 10.64	(108) 1,086.6 10.35
Victoria.....	(74) Totals - 1,412.2 Means - 19.08	(74) 994.9 13.44	(72) 984.8 13.68	(71) 70.4	(74) 84.1	(72) 15.40	(33) 430.1 11.32	(88) 483.2 7.11	(89) 957.9 13.88	(97) 82.3	(88) 51.2	(63) 703 10.82	(72) 752.7 10.45
New South Wales.....	(59) Totals - 1,121.1 Means - 19	(59) 783.2 13.27	(53) 713.3 13.46	(59) 69.9	(53) 83.4	(53) 15.25	(29) 332.6 11.47	(50) 348.6 6.97	(42) 555 13.45	(89) 85.2	(49) 51.4	(44) 465.5 10.58	(33) 545.6 10.29
Queensland.....	(49) Totals - 914.7 Means - 18.67	(49) 643.2 13.13	(49) 667.4 13.62	(49) 70.3	(49) 85.7	(49) 15.14	(32) 362.2 11.32	(42) 287.5 6.84	(44) 592.3 13.46	(31) 84.8	(40) 50.9	(42) 437.4 10.41	(32) 531 10.21
West Australia.....	(10) Totals - 186 Means - 18.60	(10) 132.5 13.25	(10) 131.9 13.19	(10) 71.2	(10) 82.8	(10) 15.01	(6) 57.3 11.46	(7) 49.8 7.11	(9) 122.1 13.57	(6) 86.4	(7) 52.3	(7) 73.7 10.53	(10) 102.1 10.21
Northwest Australia.....	(7) Totals - 131.9 Means - 18.84	(7) 90.7 12.96	(7) 92.9 13.27	(7) 68.8	(7) 83.5	(7) 15.02	(2) 24.2 12.1	(4) 28.8 7.2	(7) 94.3 13.47	(4) 90.6	(4) 54.6	(3) 31.7 10.57	(7) 71.8 10.26

	Basion subnasal Pt.	Facial Angle	Alv. Angle	Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{1}{b \times 100}\right)$
South Australia.....(198) { Totals Means	(169) 1,565.4 9.43	(160) 67	(160) 50	(62) 316.5 3.44	(170) 589.22 3.35	(176) 680.38 3.86	(176) 86.8	(176) 854.45 4.85	(176) 469.6 2.67	(176) 55	(187) 981.9 6.25	(187) 1,072.25 6.83	(187) 109.3
Northern Territory.....(108) { Totals Means	(101) 954.1 9.45	(90) 68.5	(90) 51	(54) 180.1 3.34	(107) 355.28 3.32	(107) 417.89 3.9	(107) 85.1	(108) 519.3 4.9	(108) 290.5 2.74	(108) 55.9	(98) 584.7 6.15	(98) 645.45 6.72	(98) 109.3
Victoria.....(74) { Totals Means	(71) 680.6 9.59	(64) 67.5	(64) 52.5	(43) 153.25 3.56	(73) 239.08 3.32	(72) 282.43 3.92	(72) 84.7	(72) 351.45 4.88	(72) 200.65 2.79	(72) 57.2	(65) 405.9 6.24	(65) 449.3 6.91	(65) 110.8
New South Wales.....(59) { Totals Means	(51) 475 9.31	(44) 68	(44) 50	(37) 95.2 3.53	(55) 182.8 3.32	(55) 214.28 3.9	(55) 85.1	(56) 273.9 4.89	(56) 156.5 2.79	(56) 57.1	(44) 274 6.23	(44) 304.3 6.92	(44) 111.1
Queensland.....(52) { Totals Means	(40) 450.8 9.2	(41) 69	(41) 50	(33) 110.75 3.36	(51) 170.69 3.35	(51) 197.36 3.87	(51) 86.6	(40) 238.2 4.86	(49) 134.55 2.75	(49) 56.6	(41) 245.8 6	(41) 277.95 6.78	(41) 113
West Australia.....(10) { Totals Means	(10) 92.3 9.23	(7) 66.5	(7) 50	(3) 7.1 3.55	(10) 34.5 3.45	(10) 39.88 3.99	(10) 86.5	(10) 49.6 4.96	(10) 26.85 2.68	(10) 54	(7) 41.2 5.89	(7) 45.6 6.51	(7) 110.5
Northwest Australia.....(7) { Totals Means	(7) 64.3 9.19	(3) 67.5	(3) 49.5	(3) 10.8 3.6	(7) 23.31 3.33	(7) 27.8 3.97	(7) 83.9	(7) 35.05 5.01	(7) 19.75 2.82	(7) 56.3	(3) 18.6 6.2	(3) 21.7 7.23	(3) 116.6

Central Australia.....	(6) {Totals Means}		(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)
			46.5 9.3	68	51	18.4 3.68	19.85 3.31	23.44 3.91	27.9 4.65	16 2.67	57.4	30.9 6.18	32.3 6.46	104.5
Locality unknown.....	(7) {Totals Means}		(7)	(7)	(7)	(2)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
			65.6 9.37	67	49	7 3.5	23.73 3.39	26.86 3.84	34.15 4.88	18.6 2.66	54.5	43.2 6.17	47.5 6.79	110
(521)														
Grand totals.....			(467)	(411)	(411)	(261)	(461)	(491)	(489)	(489)	(489)	(424)	(425)	(444)
Averages.....			4,394.6	68	61	899.1	1,638.46	1,910.32	2,384	1,333	56	2,626.2	2,896.35	110
Minima.....			9.41	59	27	3.44	3.34	3.89	4.88	2.79	45.1	6.19	6.81	94.1
Maxima.....			10.8	78	69	4.5	3.98	4.62	5.8	3.35	75	7.2	8	128.9

ABSTRACT: AUSTRALIAN CRANIA—Continued

FEMALE

	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
South Australia.....(156) Totals..... Means.....	(156) 2,832.9 18.16	(156) 2,003.5 12.84	(143) 1,787.5 12.5	(155) 70.7	(143) 80.7	(143) 14.49	(76) 797.2 10.49	(121) 789.4 6.52	(108) 1,350.6 12.5	(70) 83.8	(105) 52.2	(117) 1,192.9 10.2	(141) 1,371.3 9.72
Northern Territory.....(80) Totals..... Means.....	(80) 1,397.2 17.46	(80) 998.3 12.48	(77) 995 12.92	(80) 71.5	(77) 86.3	(77) 14.29	(53) 545.6 10.29	(74) 478.4 6.46	(72) 891.1 12.38	(50) 83.9	(70) 52.3	(99) 702.5 10.18	(77) 752.2 9.77
Queensland.....(51) Totals..... Means.....	(51) 907.5 17.79	(51) 646.4 12.67	(50) 644 12.88	(51) 71.2	(50) 84.5	(50) 14.45	(32) 331.8 10.37	(45) 286.9 6.88	(46) 570.6 12.4	(31) 83.8	(42) 51.4	(40) 399.7 9.99	(50) 482.9 9.66
Victoria.....(49) Totals..... Means.....	(49) 888.7 18.14	(49) 630.5 12.87	(49) 628.1 12.82	(49) 71	(49) 82.7	(49) 14.61	(34) 250.4 10.43	(46) 303.4 6.6	(44) 553.8 12.59	(24) 83.1	(43) 52.5	(46) 466.4 10.14	(49) 482.4 9.84
New South Wales.....(44) Totals..... Means.....	(44) 790.5 17.96	(44) 570.4 12.96	(43) 558 12.98	(44) 72	(43) 83.9	(43) 14.64	(18) 187 10.39	(40) 256.4 6.41	(41) 515.3 12.57	(17) 83.7	(37) 51	(38) 382 10.05	(43) 419.2 9.75
West Australia.....(7) Totals..... Means.....	(7) 125.5 17.93	(7) 89.5 12.78	(7) 89.8 12.83	(7) 71.3	(7) 84.2	(7) 14.51	(3) 32 10.67	(7) 44.7 6.38	(7) 86.8 12.4	(3) 84.4	(7) 51.4	(7) 69.5 9.93	(7) 66.8 9.54
Northwest Australia.....(3) Totals..... Means.....	(3) 52.4 17.47	(3) 37.6 12.53	(3) 38.7 12.9	(3) 71.7	(3) 86	(3) 14.80	(1) 10.3	(2) 13.1 6.55	(3) 37.5 12.5	(1) 88	(2) 54.4	(1) 10	(2) 19.3 9.65

	Basion subnasal Pt.	Facial Angle	Alv. Angle	Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{1}{b \times 100}\right)$
South Australia.....(156) Totals— Means—	(124) 1, 109.8 8.95	(115) 67 —	(115) 49 —	(73) 224.9 3.08	(120) 419.26 3.33	(126) 471.16 3.74	(126) 89 —	(127) 579.55 4.56	(127) 321.35 2.53	(127) 55.5 —	(111) 656.4 5.91	(111) 701.95 6.32	(111) 106.9 —
Northern Territory.....(80) Totals— Means—	(77) 687.7 8.93	(88) 67.5 —	(88) 48 —	(41) 124.55 3.04	(78) 255.92 3.23	(78) 293.18 3.76	(78) 87.2 —	(78) 349.35 4.6	(78) 195.75 2.58	(78) 56.1 —	(89) 402.8 5.84	(70) 441.5 6.31	(89) 108 —
Queensland.....(51) Totals— Means—	(48) 420.2 8.75	(40) 68.5 —	(40) 49 —	(33) 99.8 3.02	(50) 162.75 3.26	(50) 186.65 3.73	(50) 87.4 —	(40) 221.45 4.52	(40) 126.65 2.58	(40) 57.1 —	(40) 230.6 5.76	(40) 251.4 6.28	(40) 109 —
Victoria.....(49) Totals— Means—	(40) 436.5 8.91	(45) 68.5 —	(45) 50 —	(25) 78.25 3.13	(40) 163.61 3.34	(40) 184.73 3.77	(40) 88.6 —	(48) 220.35 4.59	(48) 124.05 2.58	(48) 56.2 —	(44) 255.5 6.81	(44) 281 6.89	(44) 110 —
New South Wales.....(44) Totals— Means—	(42) 372.9 8.88	(36) 69 —	(36) 50 —	(16) 496.5 3.1	(44) 143.35 3.26	(44) 164.33 3.73	(44) 87.4 —	(43) 194.78 4.53	(43) 112.75 2.62	(43) 57.8 —	(40) 232.6 5.82	(40) 256.2 6.4	(40) 110 —
West Australia.....(7) Totals— Means—	(7) 60.8 8.68	(7) 68 —	(7) 47.5 —	(1) 3.3 —	(7) 22.88 3.27	(7) 26.82 3.83	(7) 85.4 —	(7) 31.55 4.51	(7) 18.15 2.69	(7) 57.4 —	(7) 41 5.86	(7) 44.7 6.88	(7) 108.9 —
Northwest Australia.....(3) Totals— Means—	(3) 26.5 8.83	(1) 69.5 —	(1) 43.5 —	— — —	(3) 10.3 3.43	(3) 11.35 3.78	(3) 90.7 —	(3) 9.8 4.9	(3) 7.55 2.52	(3) 49.5 —	(1) 5.6 —	(1) 6.4 —	(1) 114.3 —

Central Australia.....	(2) { Totals Means	(3) 17.5 8.75	(1) 70.5	(1) 51.5	(191) 586.25 3.07	(362) 1,194.27 3.3	(3) 6.45 3.22	(3) 7.55 3.78	(2) 85.2	(3) 9.3 4.65	(2) 5.2 2.6	(3) 55.9	(1) 5.9	(1) 6.5	(1) 110.2
	(3) { Totals Means	(3) 27 9	(3) 68.5	(3) 52.5	(191) 586.25 3.07	(362) 1,194.27 3.3	(3) 9.75 3.25	(3) 11.1 3.7	(3) 87.8	(3) 13.5 4.5	(3) 7.8 2.6	(3) 57.8	(3) 17.1 5.7	(3) 18.3 6.1	(3) 107
(395)															
Grand totals.....	(355)	3,158.9	(316)	(316)	(191)	(362)	(362)	(362)	(362)	(362)	(358)	(357)	(316)	(317)	(316)
Averages.....		8.9	67.5	48	586.25	1,356.87	1,194.27	7.55	85.2	9.3	5.2	55.9	5.9	6.5	110.2
Minima.....		7.6	58.5	32	3.07	3.75	3.3	3.78	88	4.56	2.57	56.4	5.85	6.33	108.2
Maxima.....		10	77	66	3.95	4.1	3.8	4.1	100	5.3	3.2	74.4	6.8	7	125.9

TASMANIANS

TASMANIAN CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Racial Index, total $\left(\frac{a \times 100}{c}\right)$	Racial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
a 1104	College of Surgeons.		Adult	19.1	13.3	13.7	69.6	84.6	15.37		7	14.1		49.6	11	11.4
b B	Dr. Pullene's		do	20.6	14.4	13.5	69.9	77.1	16.17		7.4	14.2		52.1	11.4	10.5
c 1412	College of Surgeons		do	19.9	14.2	13.7	71.4	80.6	15.93	9 11.5	6.9				11	10.3
c 1100	do		do	19	13.6	14	71.6	85.9	15.53	27 10.8	7.3				10.5	10.2
c 1419	do		do	18.4	13.2	13.4	71.7	84.8	15		6.7	13.1	82.4	51.2	10.9	9.9
b C	Dr. Pullene's		do	19.5	14		71.8									
28899	N. M. M.	Northeast coast	do	19	13.7	13.7	72.1	83.5	15.47			13.9				10.3
d D	Dr. Pullene's		do	19	13.8	13.2	72.6	80.5	15.33			14.2				10.4
c 1408	College of Surgeons		do	19.2	14	13.6	72.9	81.9	15.60		6.8					10.4
c 1406	do		do	19.4	14.2	13.6	73.2	81.7	15.73	7 11.9	6.8		87.5	50	11	10.4
c 1411	do		do	18.9	14	13.4	74.1	81.7	15.43		6.4	13.1		48.8	10.6	10.3
c 1417	do		do	18.5	13.7	13.5	74	83.8	15.23	7 10.9	6	13	83.8	46.2	10.5	10.2
c 1418	do		do	19.4	14.2	13.2	74.2	80.7	15.67	9 11.2	(13)	13.7	81.8			10.4
• 1113-1	do		do	19	14.2	13.4	74.7	80.7	15.53	27 11.1	6.5	13.5	82.2	48.2	10.2	10.2
c 1407	do		do	18.3	13.7	13	74.9	81.2	15		6.6				10.4	10
• 1101	do		do	18.4	13.8	13	75	80.8	15.07		(41)					9.9
A	Dr. Pullene's		do	19.4	14.6	13.3	75.3	78.2	15.77		7.9	13.7		57.7	10	9.4
• 1096	College of Surgeons		do	18.4	13.9	13.4	75.5	82.7	15.23	27 11.1	(12 42)	13.7	81			9.7
c 1098	do		do	18.2	13.8	13.6	75.8	85	15.20	(7)	6.3	14.1		44.7	10.4	9.2
• 1099	do		do	18.4	14	13.4	76.1	82.7	15.27	(7)	6.7	13.1		51.2	10.4	10.2
• 1102	do		do	18.5	14.2	12.8	76.8	78	15.17		(41)					10
• 1109-1	do		do	17.8	13.9	13	78.1	82.3	14.90		6.2	13		47.7	10.9	10
Totals				(22) 416.3	(22) 305.6	(21) 281.4	(44) 74.1	(41) 81.6	(21) 15.41	(7) 78.5	(15) 101.5	(15) 204	(6) 83.1	(11) 49.8	(14) 149.2	(21) 213.3
Averages				18.93	13.94	13.4	74.1	81.6	15.41	11.21	6.77	13.6	83.1	49.8	10.66	10.16
Minima				17.8	13.2	12.8	69.6	77.1	14.90	10.8	6	13	81	44.7	10	9.2
Maxima				20.6	14.6	14	78.1	85.9	16.17	11.9	7.9	14.2	87.5	57.7	11.4	11.4

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Racial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
a 1104	College of Surgeons		Adult	10	75	50.5		3.28	3.75	87.5	18 5.5	2.65	43.2	5.8	6.6	113.8
b B	Dr. Puelle's		do.	10.1	64	52.5		3.18	3.9	81.5	15	2.75	55	6.7	7.3	109
c 1412	College of Surgeons		do.	9.8	66	49	3.2	3.3	3.85	86.7	5	2.9	58	6.1	6.9	113.1
c 1100	do.		do.	9.3	67.5	53.5		19 3.3	19 3.8	86.8	4.5.1	2.7	52.9	6.3	7.3	115.9
c 1419	do.		do.	9.8	63.5	56.5	3.3	2.9	3.7	78.4	4.4	2.7	61.4	6.3	7.1	112.7
b C	Dr. Puelle's		do.					19 3.45	19 4	86.2						
28899	N. M. M.	Northeast coast	do.	9.9				3.05	3.8	80.3	5.3	2.9	54.7			
d D	Dr. Puelle's		do.													
a 1408	College of Surgeons		do.	9.4	67	49		19 3.2	19 4.1	78	4.85	2.85	58.8			
c 1406	do.		do.	9.8	70	54.5	3.3	3.02	3.8	79.5	4.9	2.65	54.1	6.7	7	104.5
c 1411	do.		do.	9.6	70	54.5		3.05	3.68	82.9	4.6	2.7	58.7	6	7.1	118.3
c 1417	do.		do.	9.5	70.5	49.5	3	2.85	3.88	73.4	4.5	2.9	64.4	6.2	16.6	106.4
c 1418	do.		do.	10			3	3.08	3.8	81.1	4.8	2.95	61.5		(m)	
a 1113-1	do.		do.	9.4	71.5	62	3.2	2.95	3.8	77.6	4.55	2.7	59.3	5.9	7.2	122
c 1407	do.		do.	9.4	68	56.5		2.95	3.88	76	4.55	2.7	59.3	6.3	7	111.1
a 1101	do.		do.	9.2				3	3.92	76.5	4.3	2.45	57			
A	Dr. Puelle's		do.	8.8	62	58	3.3	3.12	3.95	79	5.1	2.3	45.1	6.1	7	114.8
a 1096	College of Surgeons		do.	9	61.5	50	2.8	3.2	4.05	79	18 4.9	3	61.2			
c 1098	do.		do.	9.2	61.5	50		3.08	3.9	79	4.3	2.6	60.5	6.5	6.5	100
a 1099	do.		do.	9.4	69.5	54.5		3	3.75	80	18 4.9	2.8	57.1	6.1	7.2	118
a 1102	do.		do.	9.2				2.85	3.48	81.9	4.9	2.6	53.1	6	6.5	108.3
a 1109-1	do.		do.	9.9	65	54.5		2.8	3.63	76.1	4.3	2.45	57	6.3	6.7	106.4
Totals				(20) 190.7	(14)	(14)	(8)	(21) 64.61	(31) 30.47	(81)	(40) 95.75	(20) 54.25	(30)	(15) 93.3	(15) 104	(15)
Averages				9.54	68	52.5	3.14	3.08	3.83	80.3	4.79	2.71	56.7	6.22	6.93	111.4
Minima				8.8	61.5	49	2.8	2.8	3.48	73.4	4.3	2.3	45.1	5.8	6.5	100
Maxima				10.1	75	62	3.3	3.45	4.1	87.5	5.5	3	64.4	6.7	7.3	122

a (1) Near Australian type, except nose, somewhat.

b (2) Type quite Australian.

c (3) Australian type.

d (4) Metopic suture.

e (5) Near Australian type.

f (c) All upper incisors shovel-shaped.

g (6) Near Australian type. Face and mastoids somewhat female-like, but probably male.

h (7) Near Australian type. Face and zygomae somewhat female-like, but probably male.

i (8) Australian type. Surely male.

j (a) Moderate gutters.

k (b) Large Fossae.

l (d) Diameter antero-posterior of both left and right lower molars (1, 2, 3) = 4. — cm.

m (e) Diameter antero-posterior at middle of lower right first molar and second molar = 2.8 cm.

n (g) Large fossae, partly intranasal, as in Australians.

a (7) Near Australian type. Face and zygomae somewhat female-like, but probably male.

i (8) Australian type. Surely male.

j (a) Moderate gutters.

k (b) Large Fossae.

l (d) Diameter antero-posterior of both left and right lower molars (1, 2, 3) = 4. — cm.

m (e) Diameter antero-posterior at middle of lower right first molar and second molar = 2.8 cm.

n (g) Large fossae, partly intranasal, as in Australians.

o (7) Near Australian type. Face and zygomae somewhat female-like, but probably male.

p (8) Australian type. Surely male.

q (a) Moderate gutters.

r (b) Large Fossae.

s (d) Diameter antero-posterior of both left and right lower molars (1, 2, 3) = 4. — cm.

t (e) Diameter antero-posterior at middle of lower right first molar and second molar = 2.8 cm.

u (g) Large fossae, partly intranasal, as in Australians.

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
^a A577	S. A. M. A.	-----	Adult	18.2	13	12.9	71.4	82.7	14.70	-----	6.2	12.2	-----	50.8	10.6	10.5
1106	College of Surgeons.	-----	do.	17.6	12.8	12.8	72.7	84.2	14.40	9 10	6.2	11.9	84	52.1	9.4	9.7
1409	do.	-----	do.	18	13.4	12.6	74.4	80.2	14.67	-----	6.7	12.8	-----	52.3	10.4	10
^a E	Dr. Pullen's.	-----	do.	18.4	13.7	12.7	74.5	79.4	14.93	4 11.2	7	13.2	84.8	53	10.4	9.8
^b 1410	College of Surgeons.	-----	do.	18	13.5	13.3	75	84.2	14.93	-----	6.6	13	-----	50.8	9.8	9.8
1107	do.	-----	do.	17.6	13.2	12.6	75	81.8	14.47	-----	5.6	-----	-----	-----	9	9.2
^c 1421	do.	-----	do.	18.2	13.7	12.6	75.3	78.8	14.83	-----	7.4	12.9	-----	57.4	10	9.9
1109	do.	-----	do.	17.8	13.5	12.4	76.8	79.5	14.57	-----	5.7	12.6	-----	45.2	9.9	9.2
^d 1097	do.	-----	do.	17.5	13.3	11.9	76	77.3	14.23	9 9.8	(33)	12	81.7	-----	9	8.7
1415	do.	-----	do.	17.6	13.6	12.9	77.3	82.7	14.70	27 10.1	6.1	13.2	76.5	46.2	10.2	10.2
1103	do.	-----	do.	17.3	13.5	12.4	78	80.5	14.40	(*)	6.1	12.3	-----	49.6	9.8	9.5
1420	do.	-----	do.	17.5	13.8	12.6	78.9	80.8	14.63	9 9.8	6.2	12.6	77.8	46.2	9.8	9.3
1116	do.	-----	do.	16.6	13.2	12.2	79.5	81.9	14	-----	6.8	12.3	-----	55.3	10	9.4
1108	do.	-----	do.	16.3	13	12.3	79.8	84.2	13.87	9 9.1	5 5.4	11.5	79.1	47	9	9.1
1105	do.	-----	do.	16.8	13.5	12.6	80.4	82.9	14.30	-----	5.8	11.9	-----	48.7	9.4	8.9
Totals	-----	-----	-----	(15) 263.4	(15) 200.7	(15) 188.8	(15) 76.2	(15) 81.4	(15) 14.51	(6) 60	(14) 87.8	(14) 174.4	(6) 80.6	(14) 50.4	(14) 137.7	(15) 143.2
Averages	-----	-----	-----	17.56	13.38	12.59	76.2	81.4	14.51	10	6.27	12.46	76.5	45.2	9.84	9.65
Minima	-----	-----	-----	16.3	12.8	11.9	71.4	77.3	13.87	9.1	5.4	11.5	76.5	45.2	9	8.7
Maxima	-----	-----	-----	18.4	13.8	13.3	80.4	84.2	14.93	11.2	7.4	13.2	84.8	57.4	10.6	10.5

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
^a A577	S. A. M. A.	-----	Adult	9.6	72	55	-----	20 3.2	20 3.8	84.2	4.4	2.6	59.1	5.9	6.5	110.2
1106	College of Surgeons	-----	do	8.6	74	57	2.7	3.25	3.52	92.3	4.65	2.55	54.8	5.3	6.3	118.9
1409	do	-----	do	9.4	68	54.5	-----	3.1	3.8	81.6	4.85	2.8	57.7	6	7	116.7
^a E	Dr. Puelle's	-----	do	8.8	65	44	3.25	3.48	3.95	88.1	4.8	3	62.5	6.2	7	112.9
^b 1410	College of Surgeons	-----	do	9	70.5	61	-----	3.05	3.78	82.6	4.7	2.75	58.5	5.6	6.5	116.1
1107	do	-----	do	8.4	74.5	57	-----	19 3.1	19 3.6	86.1	4.45	2.45	55.1	5.3	6	113.2
^c 1421	do	-----	do	8.8	67.5	56.5	3.4	3.55	3.75	94.7	4.85	2.65	54.6	5.5	6.3	114.6
1109	do	-----	do	8.7	66	38.5	-----	3	3.7	81.1	4.3	2.75	63.9	5.9	6.4	108.5
^d 107	do	-----	do	8.3	-----	-----	2.4	3.18	3.62	87.8	4.55	2.65	58.2	-----	-----	-----
1415	do	-----	do	9.5	72.5	55	2.9	3.05	3.78	80.7	4.85	2.5	51.6	5.6	6.6	117.9
1103	do	-----	do	8.8	69	54	-----	2.9	3.55	81.7	4.3	2.7	62.8	5.8	6.4	110.3
1420	do	-----	do	8.6	67	52	2.7	2.9	3.78	76.7	4.1	2.5	61	5.7	6.5	114
1110	do	-----	do	8.6	65	47	-----	3.22	3.7	87	4.7	2.6	55.3	5.8	6.7	115.5
1108	do	-----	do	8.6	74	68	2.2	2.92	3.68	79.4	4.1	2.5	61	5.2	6	115.4
1105	do	-----	do	8.6	66.5	60	-----	2.92	3.6	81.1	3.9	2.45	62.8	5.6	6.4	114.3
Totals	-----	-----	-----	(15) 132.3	(14) -----	(14) -----	(7) 19.55	(15) 46.82	(15) 55.61	(15) -----	(15) 67.5	(15) 39.45	(15) -----	(14) 79.4	(14) 90.6	(14) -----
Averages	-----	-----	-----	8.82	69.5	53.5	2.79	3.12	3.71	84.2	4.5	2.63	58.4	5.67	6.47	114.1
Minima	-----	-----	-----	8.3	65	38.5	2.2	2.9	3.52	76.7	3.9	2.45	54.6	5.2	6	108.5
Maxima	-----	-----	-----	9.6	74	68	3.4	3.55	3.95	94.7	4.85	3	63.9	6.2	7	118.9

^a Metopic suture.^b Upper median incisors shovel-shaped, laterals slightly.^c Moderate gutters.^d Moderate intranasal shelves.^a Australian type.^b Somewhat malelike, especially in mastoids; possibly male.^c Surely female.

NOTE.—For footnotes to reference figures see p. 3.

NEW CALEDONIANS

NEW CALEDONIAN CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
a S634	A. M. S.	-----	Adult	18.6	12.4	13.4	66.7	86.4	14.80	-----	53.7	13.9	-----	50.4	5 10.6	10
S635	do	-----	do	19.7	13.2	14.9	67	90.6	15.93	-----	6.8	13.7	-----	49.6	10.8	10.7
S1053	do	-----	do	19	12.9	13.4	67.9	82.8	15.10	-----	7	13.1	-----	53.4	10.9	10.4
S806	do	-----	do	19.3	13.3	14.4	68.9	88.3	15.67	9 12	7.1	13.1	-----	54.2	10.8	10.7
S1054	do	-----	do	18.6	13.4	14.1	72	88.1	15.37	9 11.8	7.2	13.6	-----	52.9	10.8	10.1
c S1602	do	-----	do	(18.1)	(13.5)	(13.5)	(74.6)	(85.4)	(15.03)	9 11.8	7.1	13.6	-----	52.3	11	10.6
Totals	-----	-----	-----	(3) 95.2	(3) 65.2	(3) 70.2	(3) 68.5	(3) 87.5	(3) 15.37	(3) 35.6	(6) 42.2	(6) 81	(3) 88.4	(6) -----	(6) 64.9	(6) 62.5
Averages	-----	-----	-----	19.04	13.04	14.04	68.5	87.5	15.37	11.87	7.08	13.5	88.4	52.1	10.82	10.42

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
^a S634	A. M. S.	-----	Adult	9.4	61	51	-----	3.38	3.75	90.1	4.95	2.5	50.5	6.1	6.7	109.8
S635	do	-----	do	9.8	71	56	-----	3.5	3.85	90.9	4.9	2.75	56.1	6	6.7	111.7
S1053	do	-----	do	9.6	67	52	3.3	3.5	4	87.5	4.7	2.5	53.2	6	6.9	111.5
S806	do	-----	do	9.8	70	59.5	3.6	3.4	3.7	91.9	4.8	2.45	51.7	6.1	6.8	98.4
S1054	do	-----	do	9.4	65	53	3.4	20 3.4	20 4.1	82.9	4.55	2.35	47.4	5.9	6.2	106.8
^c S1602	do	-----	do	9.8	68	54	3.4	3.25	3.7	87.8	4.85	2.3	-----	-----	6.3	-----
Totals	-----	-----	-----	(^b) 57.8	(^b) 68	(^b) 54	(4) 13.70	(^b) 20.43	(^b) 23.1	(^b) 88.3	(^b) 28.75	(^b) 14.85	(^b) 51.8	(^b) 30.4	(^b) 32.7	(^b) 107.6
Averages	-----	-----	-----	9.63	68	54	3.42	3.4	3.85	88.3	4.79	2.48	51.8	6.08	6.54	107.6

^a Surely male.^b Upper incisors shovel-shaped, laterals moderately, medians slightly. A rudimentary tooth on external surface behind upper third molar.^c Medium occipital compression.^d Marked intranasal shelves.

NOTE.—For footnotes to reference figures see p. 3.

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella and maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol Pt. (x)	Basion-Nasion (y)
• 1208	A. M. S.		Adult	17.9	11.7	13	65.4	87.8	14.20		7	12.2		57.4	11	10.1
S1052	do.		do.	17.6	14	13.1	79.6	82.9	14.90		6.8	13.2		51.5	11.1	10.6
Totals				(2)	(2)	(2)	(2)	(2)	(2)		(2)	(2)		(2)	(2)	(2)
Averages				35.5	25.7	26.1	72.4	85.3	14.55		13.8	25.4		54.3	22.1	20.7
				17.75	12.85	13.05					6.9	12.7			11.05	10.35

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
• 1208	A. M. S.		Adult	9.7	64°	51°		3.35	3.5	95.7	4.75	2.3	48.4	5.9	5.7	96.6
S1052	do.		do.	10	68	55.5		3.22	3.6	89.5	4.6	2.4	52.2	6	6.3	105
Totals				(2)	(2)	(2)		(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Averages				9.85	69	53.5		6.57	7.1	92.4	9.35	4.7	50.2	11.9	12	100.8
				19.7				3.28	3.55		4.68	2.55		5.95		

^a Somewhat malelike (malars and zygomae, mastoids), but physiognomy female, and no supraorbital ridges.

^b Lower border distinct.

NOTE.—For footnotes to reference figures see p. 3.

Comparison of measurements

MALE

Group	No.	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
Australian.....	(521)	18.91	13.22	13.36	69.9	88.2	15.16	11.37	6.96	13.58	84	51.2	10.66	10.3
Tasmanian.....	(22)	18.93	13.94	13.4	74.1	81.6	15.41	11.21	6.77	13.6	82.1	49.8	10.66	10.16
New Caledonian.....	(6)	19.04	13.04	14.04	68.5	87.5	15.37	11.87	7.03	13.5	88.4	52.1	10.82	10.42

Group	Basion subnasal Pt.	Facial Angle °	Alv. Angle °	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
Australian.....	9.41	68	51	3.44	3.34	3.89	85.9	4.88	2.73	56	6.19	6.81	110
Tasmanian.....	9.54	68	52.5	3.14	3.08	3.83	80.9	4.79	2.71	56.7	6.22	6.93	111.4
New Caledonian.....	9.63	68	54	3.42	3.4	3.85	88.3	4.79	2.48	51.8	6.08	6.54	107.6

FEMALE

Group	No.	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
Australian	(395)	17.94	12.76	12.74	71.1	83.1	14.48	10.4	6.48	12.48	83.6	52	10.14	9.74
Tasmanian	(15)	17.56	13.38	12.59	76.2	81.4	14.51	10	6.27	12.46	80.6	50.4	9.84	9.55
New Caledonian	(2)	17.75	12.85	13.05	72.4	85.3	14.55	-----	6.9	12.7	-----	54.3	11.05	10.35

Group	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth max.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, max. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
Australian	8.9	67.5	48	3.07	3.3	3.75	88	4.56	2.57	56.4	5.85	6.33	108.2
Tasmanian	8.82	69.5	53.5	2.79	3.12	3.71	84.2	4.5	2.63	58.4	5.67	6.47	114.1
New Caledonian	9.85	66	53.5	-----	3.28	3.55	92.4	4.68	2.35	50.2	5.95	6	100.8

SEXES SEPARATELY

Cranial Index	Mean Height Index		Cranial Module		Facial Index, upper		Facial Angle		Orbital Index		Nasal Index		Palatal Index	
	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male	Male	Fe- male
N.W.A.	68.8	71.7	So. A.	80.7	80.7	14.29	C. A.	(50.4)	(49.6)	W. A.	66.5	68.0	N. W. A.	83.9
N. T.	69.6	71.5	C. A.	80.7	(1)	14.51	Q.	50.9	51.4	S. A.	67.0	67.0	C. A.	84.6
So. A.	69.7	70.7	W. A.	82.8	84.2	14.30	N. T.	51	52.3	I V	67.5	68.5	V.	84.7
N. S. W.	69.9	72	N. S. W.	83.4	83.9	14.45	V.	51.2	52.5	N. W. A.	67.5	69.0	N. T.	85.1
Q.	70.3	71.2	N. W. A.	83.5	86.0	14.49	S. A.	51.2	52.2	N. S. W.	68.0	69.0	N. S. W.	85.1
V.	70.4	71.0	V.	84.1	82.7	(1)	N. S. W.	51.4	51	W. A.	68.0	67.5	Q.	86.5
W. A.	71.2	71.3	Q.	85.7	84.5	14.64	W. A.	52.3	51.4	N. T.	68.5	67.5	Q.	86.6
C. A.	71.5	(1)	N. T.	86.0	86.3	14.61	N. W. A.	(54.6)	(54.4)	Q.	69.0	68.5	S. A.	86.8

ALL AUSTRALIANS

69.9	71.1	83.2	83.1	15.16	14.48	51.2	52.0	68.0	67.5	85.9	88.0	56.0	56.4	110.0	108.2
------	------	------	------	-------	-------	------	------	------	------	------	------	------	------	-------	-------

TASMANIANS

74.1	76.2	81.6	81.4	15.41	14.51	49.8	50.4	68.0	69.5	80.3	84.2	56.7	58.4	111.4	114.1
------	------	------	------	-------	-------	------	------	------	------	------	------	------	------	-------	-------

NEW CALEDONIANS

68.5	(72.4)	87.5	(85.3)	15.37	14.55	52.1	54.3	68.0	66.0	88.3	(92.4)	51.8	50.2	107.6	100.8
------	--------	------	--------	-------	-------	------	------	------	------	------	--------	------	------	-------	-------

1 Only two specimens.

Australians territorially, and contrasted with Tasmanians and New Caledonians—Continued

THE TWO SEXES TAKEN TOGETHER

Cranial Index	Mean Height Index	Cranial Module	Facial Index, Anat.	Facial Angle	Orbital Index	Nasal Index	Palatal Index
N. W. A. (10) 69.7	C. A. (8) 80.1	N. T. (178) 14.69	C. A. (6) 50.3	S. A. (265) 67	C. A. (8) 84.8	N. W. A. (9) 54.8	C. A. (6) 105.5
S. A. (353) 70.2	S. A. (329) 80.7	N. W. A. (10) 14.80	Q. (82) 51.2	W. A. (14) 67	N. W. A. (10) 85.9	S. A. (303) 55.2	S. A. (268) 108.3
N. T. (183) 70.4	W. A. (17) 83.4	Q. (99) 14.80	N. S. W. (76) 51.2	V. (109) 68	N. T. (185) 86	W. A. (17) 55.4	N. T. (164) 108.8
C. A. (8) 70.5	V. (121) 83.5	W. A. (17) 14.80	S. A. (262) 51.6	N. W. A. (4) 68	W. A. (17) 86	N. T. (182) 56	W. A. (14) 109.7
V. (123) 70.6	N. S. W. (96) 83.6	S. A. (329) 14.86	N. T. (162) 51.6	N. T. (158) 68	N. S. W. (99) 86.1	V. (120) 56.8	V. (109) 110.5
N. S. W. (103) 70.8	N. W. A. (10) 84.2	N. S. W. (96) 14.98	V. (106) 51.8	N. S. W. (80) 68.5	V. (121) 86.2	Q. (98) 56.9	N. S. W. (84) 110.6
Q. (100) 70.8	Q. (99) 85.2	C. A. (8) 15.04	W. A. (14) 51.9	C. A. (6) 68.5	Q. (101) 87	C. A. (8) 57	Q. (81) 111
W. A. (17) 71.2	N. T. (178) 86.2	V. (121) 15.08	N. W. A. (6) 54.5	Q. (81) 69	S. A. (302) 87.7	N. S. W. (99) 57.4	N. W. A. (4) 116

ALL AUSTRALIANS

(907) 70.4	(858) 83.2	(368) 14.86	(724) 51.6	(727) 68	(853) 86.8	(846) 56.2	(740) 109.2
------------	------------	-------------	------------	----------	------------	------------	-------------

TASMANIANS

(37) 75	(36) 81.5	(36) 15.04	(25) 50.2	(28) 69	(36) 81.9	(35) 57.4	(29) 112.7
---------	-----------	------------	-----------	---------	-----------	-----------	------------

NEW CALEDONIANS

(7) 69.6	(7) 86.9	(7) 15.14	(8) 52.7	(8) 67.5	(8) 89.3	(81) 51.4	(7) 105.7
----------	----------	-----------	----------	----------	----------	-----------	-----------

COMMENTS ON THE AUSTRALIANS

The Australians, while generally related, are not of exactly the same type in all parts of the territory.

They are all characterized by relative narrowness of the head and hence marked dolichocephaly. But they differ moderately in this respect in the several territories. The most pronounced dolichocephaly is met with in the northwest, north, and central south, the least pronounced in the west, east, and southeast.

Much more marked differences, however, are found in the height of the vault and the mean height index $\left(\frac{H}{\text{mean of } L+B}\right)$. Both the absolute height and the index are lowest or next to lowest in south Australia, where the cephalic index is also low; and both are high in Queensland where the cephalic index is also higher. On the other hand in northwestern and northern Australia, where the cephalic index is decidedly low, the height index is near or at the maximum.

In size, the skull is smallest in the northern territory and northwestern Australia, largest in Victoria. In the northwest the condition is possibly especially significant, as it seems to be associated with a higher stature; but the data, both on the living and on the skulls, are not sufficient for definite conclusions.

The basion-nasion length ranges from 9.9 cm. in western Australia to 10.15 cm. in Victoria. Relatively to skull length it gives the index (or percentage) of from 52.8 in northwestern Australia to 53.3 in central Australia, showing great uniformity. But it is 54.2 in the northern territory, where the length of the head in both sexes, as well as the size of the head, are the smallest. Evidently the smallness of the vault in this exceptional series is due especially to deficiency in the posterior half of the skull.

The upper facial index is lowest in central Australia, Queensland, and New South Wales, highest in the western and northwestern Provinces. But if central Australia on one hand and northwestern Australia on the other be eliminated, as they may well be on account of the small numbers of specimens, then the index is seen to present a remarkable uniformity, greater than any of the other characters, excepting the facial angle.

The facial angle is lowest (greatest prognathism) in south and west Australia, highest in Queensland.

The orbital index is lowest in the northwest, highest in Queensland and southern Australia.

The nasal index is lowest in western and southern, highest in eastern, central, and southeastern Australia.

The palate is relatively longest (or narrowest) in central and south Australia (which shows also the highest facial angle), relatively

shortest (or broadest) in Queensland (with lowest facial angle) and especially in northwest Australia.

On the whole the lower types of the Australian appear to be those of the northwest and north, the higher those of the southeastern parts of the continent.

Admixture (Papuan) and local variation are doubtless both involved in the observed differences of characters. But these differences are so appreciable that anthropology will hardly be justified henceforth to refer merely to "the Australian."

AUSTRALIANS AND TASMANIANS

A comparison of the two groups shows that the Tasmanian was not of the identical type with the Australian of any part of the continent; but he was close enough, in general, to be recognized as a near relation and probably a mere local variant of the Australian.

Compared with the Australian more in detail, the Tasmanian is seen to have been somewhat more broad-headed.

The vault of his skull was slightly lower than the general Australian average, but above that of two of the Australian groups.

In size of the head the Tasmanian was slightly above the Australian average, but equal or even a trace lower than two of the Australian contingents.

In facial index the Tasmanian was slightly lower than the Australian in the males, somewhat more so in the females, due to lower facial height (the bizygomatic breadth being practically even).

The basion-nasion length, especially if taken relatively to the length of the skull, is nearly the same in the two people.

The facial angle in the Tasmanians, though their face is lower, exceeds on the average by 1 degree that of the Australians.

The orbital index of the Tasmanians is plainly lower—due to lower orbits—than it is in the Australians.

The nasal index in the male Tasmanians is close to the average of the Australian males, but in the females the Tasmanians show an appreciably higher index (greater breadth); and practically the same condition exists as to the "palatal" (alveolar arch) index and the arch itself.

In general, it is seen, the Tasmanians had a somewhat broader head, somewhat lower face and orbits, and somewhat broader (or shorter) nose and palate, than the Australians. But the two people are so near, particularly when we compare the crania individually or when the Tasmanians are contrasted with some of the regional Australian groups, that the two strains can not but be regarded as of fundamentally the same race. The Tasmanians may therefore, it seems, be legitimately considered as merely a subtype of the

Australians. Their facial differences as well as those of the vault indicate probably environmental (especially food), rather than racial characters.

NEW CALEDONIANS

The New Caledonians, even though represented by but a small series of specimens, are plainly a type apart from both the Australians and Tasmanians; they are in most respects even farther away from the Tasmanians than from the Australians; and there appears no reason to consider them as related, except perhaps very distantly, to either.

The New Caledonians are especially characterized by narrowness of the head, high vault, high face, high orbits, narrow nose and narrow palate.

MELANESIANS

NEW GUINEA CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlicka's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
227342	U. S. N. M.	New Guinea	Near adult	19.4	13.1	14.1	67.5	86.5	15.53	1,450	10.6	6.4	12.7	83.5	50.4	10.2	10.2
219263	do.	do.	Adult	19.3	13.2	14.1	68.4	86.4	15.53	1,450	11.4	7	12.8	89.1	54.7	10.2	9.6
219395	do.	do.	do.	18	13.2	13.5	73.3	86.5	14.90	1,400	11.5	2.7	13.2	85.6	53	10.1	10.1
219393	do.	do.	do.	18.4	13.6	14.1	73.9	88.1	15.37	1,405	11.3	2.7	13.2	85.6	53	10.1	10.1
Totals				75.1	53.1	41.7	70.7	87.2	45.8	4,255	44.8	27.4	38.7	86	52.7	29.9	29.9
Averages				18.78	13.28	13.9	70.7	87.2	15.27	1,418	11.2	6.85	12.9	86	52.7	29.9	29.9

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
227342	U. S. N. M.	New Guinea	Near adult	8.9	70	52	3.2	3.6	4.1	87.8	4.7	2.8	59.6	6	6.6	115
219263	do.	do.	Adult	9	70	52	3.2	3.35	4.1	87.8	4.8	2.4	50	6	6.9	115
219395	do.	do.	do.	8.9	70	52	3.2	3.3	3.9	84.6	2.5	2.7	54	6	6.6	115
219393	do.	do.	do.	8.9	70	52	3.2	3.3	3.9	84.6	5	2.8	56	6	6.6	115
Totals				26.8	70	52	6.4	13.55	11.9	86.7	19.5	10.7	54.9	6	26.7	115
Averages				8.93	70	52	3.2	3.39	3.97	86.7	4.88	2.68	54.9	6	6.68	115

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
219392	U. S. N. M.	New Guinea	Adult	17.2	11.8	12.2	68.6	84.1	13.73	1,050	11	6.7	11.4	96.5	58.8	9.4	9.4
219261	do.	do.	do.	17.4	12.4	13	71.3	87.2	14.27	1,230	10.3	6.8	12.1	85.1	56.7	9.8	9.8
226163	do.	Southern New Guinea	do.	18.2	13	13	71.4	85.6	14.43	1,255		(6.6)	11.4		(57.9)		9.7
219262	do.	New Guinea	do.	17.2	13.1	13	76.2	89.5	14.73	1,290							10
219264	do.	do.	do.	17.3	13.2	13.2	76.5	90.4	14.13	1,170							
219260	do.	do.	do.	16.5	12.7	13.2	77										
Totals				(6) 103.8	(6) 76.2	(5) 65.1	(6) 73.4	(5) 87.5	(5) 71.29	(6) 7,145	(2) 21.3	(2) 13.5	(5) 58.2	(2) 90.6	(2) 57.7	(3) 28.9	(4) 38.9
Averages				17.3	12.7	13.02			14.26	1,191	10.65	6.75	11.64			9.63	9.72

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth max.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, max. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
219392	U. S. N. M.	New Guinea	Adult	8.6	67	48	3	3.35	3.6	93	5.1	2.4	47.1	5.7	6.4	112.3
219261	do.	do.	do.				2.3	2.85	3.8	75	4.85	2.2	45.4	5.7	5.9	103.5
226163	do.	Southern New Guinea	do.	8.7				3.5							6.4	
219262	do.	New Guinea	do.												5.6	
219264	do.	do.	do.	8.4												
219260	do.	do.	do.													
Totals				(3) 25.7			(2) 5.3	(3) 9.7	(2) 7.4	(2) 83.8	(2) 9.95	(2) 4.6	(2) 46.2	(3) 17.1	(4) 24.3	(2) 107.9
Averages				8.57			2.65	3.23	3.7		4.98	2.3		5.7	6.08	

NOTE.—For footnotes to reference figures, see p. 104.

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlicka's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
276077	U. S. N. M.	Torres Strait	Adult	18.4	13.5	13	73.4	81.8	14.97	1,395	-----	6.5	12.8	-----	50.8	10.3	9.8
Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth max.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, max. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$	
276077	U. S. N. M.	Torres Strait	Adult	9	67°	42°	-----	3.28	3.7	88.7	4.9	2.3	46.9	5.7	6.4	112.3	

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
276076	U. S. N. M.	Torres Strait	Adult	18.4	11.8	12.9	64.1	85.4	14.37	1,165	---	6.6	12.3	---	53.7	10.4	9.8
276080	do	do	do	18	12.2	13.4	67.8	88.7	14.53	1,220	---	7.1	12.6	---	56.4	10.7	10.3
276078	do	do	do	17	11.8	12.4	69.4	86.1	13.73	1,055	---	7	11.9	---	58.8	10.4	9.7
276079	do	do	do	16.9	12.8	12.5	75.7	88.9	14.07	1,140	---	6.3	12.7	---	49.6	10.4	9.7
Totals				(9) 70.3	(4) 48.6	(4) 51.2	(4) 69.1	(4) 86.1	(4) 56.7	(4) 4,580	---	(4) 27	(4) 49.5	---	(4) 54.5	(4) 41.9	(4) 39.5
Averages				17.58	12.15	12.8	69.1	86.1	14.18	1,145	---	6.75	12.58	---	54.5	10.48	9.88

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth, maximum	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maximum (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
276076	U. S. N. M.	Torres Strait	Adult	8.9	66	45	---	3.2	3.7	86.5	4.4	2.4	54.6	5.8	5.9	101.7
276080	do	do	do	9.6	67.5	55.5	---	3.6	3.85	93.5	4.9	2.3	46.9	5.9	6.3	106.8
276078	do	do	do	9.1	64.5	53	---	3.35	3.8	88.1	4.55	2.3	50.5	6.15	6.2	100.8
276079	do	do	do	8.8	66	41	---	3.4	3.75	90.7	4.35	2.5	57.5	6.1	6.1	100
Totals				(4) 36.4	(4) 66	(4) 49	---	(4) 13.55	(4) 15.1	(4) 89.7	(4) 18.2	(4) 9.5	(4) 52.3	(4) 23.95	(4) 24.5	(4) 102.2
Averages				9.1	66	49	---	3.39	3.78	89.7	4.55	2.38	52.3	5.99	6.12	102.2

SOLOMON ISLANDS CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlicka's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
227461	U. S. N. M.	Malaita	Adult	18.6	12.5	13.2	67.2	84.6	14.77	1,400	10.6	6.3	12.6	80.9	50	10.4	10
227456	do	Guadalcanar	do	18.4	12.5	13.4	67.9	87	14.77	1,365	10.6	6.5	13.1	49.6	49.6	10.1	9.6
227458	do	Savo	do	18.8	12.8	13.6	68.1	86.1	13.07	1,410	10.6	7.5	13.7	64.7	64.7	10.3	10.1
225129	do	do	do	18.8	13.7	13.4	72.9	82.2	15.30	1,370	10.6	7.5	14.5	51.7	51.7	11.8	10.7
227466	do	Malaita	do	19	14	13.8	73.7	83.6	15.60	1,470	10.6	6.95	13.5	51.5	51.5	10.4	10
Totals				93.6	65.5	67.4	70	84.7	75.51	7,015		9.75	67.4		51.6	53	50.4
Averages				18.72	13.1	13.48			15.10	1,408		6.95	13.48			10.6	10.08

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maximum	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{1}{b \times 100}\right)$
227461	U. S. N. M.	Malaita	Adult	9.2	69	42.5		3.25	3.7	87.8	4.8	2.4	50	5.5	6.1	110.9
227456	do	Guadalcanar	do	9	67	47.5	2.9	3.15	3.85	81.8	4.9	2.9	59.2	5.8	6.7	115.5
227458	do	Savo	do	9	67	52		3.35	4.05	82.7	5.2	2.5	48.1	5.7	6.8	119.3
225129	do	do	do	10.1	63	38.5	3.5	3.35	4.15	80.7	5.5	2.9	52.7	6.9	7.2	104.4
227466	do	Malaita	do	9	67	49		3.25	4	81.2	4.7	2.5	53.2	6	6.3	105
Totals				46.3	66.5	46.5	6.4	16.35	19.75	82.8	25.1	13.2	52.6	29.9	33.1	110.7
Averages				9.26			3.2	3.27	3.95		5.02	2.64		5.98	6.62	

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
227457	U. S. N. M.	Malaita	Adult	18	12.4	12.5	68.9	82.2	14.30	1,210	-----	6.2	12.4	-----	50	10.7	9.2

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Racial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth max.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, max. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
227457	U. S. N. M.	Malaita	Adult	9	59°	34.5°	-----	3.1	3.8	81.6	4.35	2.75	68.2	6.1	6.2	101.6

NOTE.—For footnotes to reference figures see p. 104.

NEW HEBRIDES CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlicka's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
227455	U. S. N. M.	Malliedo.....	Near adult	18.1	13.4	13.2	74	83.5	14.90	1,325	311	6.7	13.1	84	51.2	11	10.1

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth max.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, max. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
227455	U. S. N. M.	Malliedo.....	Near adult	9.4	64.5°	43°	3.5	3.3	3.9	84.6	4.6	2.6	56.5	5.8	6.6	113.8

NEW BRITAIN CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
226113	U. S. N. M.	Gazelle Peninsula	Adult	19.4	13.4	14.7	69.1	89.6	15.83	1,515	---	7.2	14	---	51.4	11.2	10.8
226102	do.	do.	do.	18.8	13	13.5	69.2	84.9	15.10	1,380	---	6.2	12.7	---	48.8	10.5	10
226108	do.	do.	do.	18.6	13	13.7	69.9	86.7	15.10	1,295	---	6.6	13.6	---	48.5	11.4	10.4
226107	do.	do.	do.	19	13.5	14.4	71	88.3	15.63	1,390	---	7.3	14.5	---	50.3	11.1	10.5
226103	do.	do.	do.	17.8	12.8	13.2	71.9	86.3	14.60	1,245	811.6	7.2	13.5	85.9	53.3	10.4	9.9
226117	do.	do.	do.	18	13	13	72.2	83.9	14.67	1,230	---	6.1	13.1	---	46.6	10	9.6
226097	do.	do.	do.	18	13	12.5	72.2	80.6	14.50	1,200	---	6.5	13.2	---	49.2	10.9	9.7
226111	do.	do.	do.	19.4	14.2	14.4	73.2	85.7	16.00	1,485	---	6.4	14.5	---	44.1	9.8	9.6
226118	do.	do.	do.	17.6	12.9	13.4	73.3	87.6	14.63	1,260	---	6.4	13.2	---	48.5	10.5	9.6
226099	do.	do.	do.	18.3	13.5	13.4	73.8	84.3	15.07	1,390	---	6.5	13.2	---	49.2	10.5	10.1
226114	do.	do.	do.	17.5	13	13	74.3	85	14.50	1,010	---	6.4	13.7	---	46.7	10.2	9.8
226098	do.	do.	do.	18.2	13.8	12.8	75.8	80	14.93	1,310	---	6.7	13.5	---	49.6	10.4	10.4
226096	do.	do.	do.	18.4	14	12.8	76.1	79	15.07	1,340	---	6.7	13.8	---	48.6	10.8	9.8
Totals				(13) 239	(13) 173.1	(13) 174.8	(13) ---	(13) ---	(13) 195.63	---	---	(13) 86.2	(13) 176.5	---	(13) ---	(13) 137.7	(13) 130.3
Averages				18.38	13.32	13.45	72.5	84.9	15.05	1,312	---	6.63	13.58	---	48.8	10.59	10.02
Minima				17.5	12.8	12.5	69.1	79	14.50	1,010	---	6.1	12.7	---	44.1	11.4	9.6
Maxima				19.4	14.2	14.7	76.1	89.6	16.00	1,515	---	7.3	14.5	---	53.3	11.4	10.8

NOTE.—For footnotes to reference figures see p. 104.

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle.	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
226113	U. S. N. M.	Gazelle Peninsula	Adult	9.8	68	50.5	---	3.1	3.75	82.7	4.9	2.4	49	6.5	6.95	106.9
226102	do.	do.	do.	9.4	68	50.5	---	3.2	3.75	85.3	4.4	2.6	59.1	6	6.4	106.7
226108	do.	do.	do.	9.8	64.5	45	---	3.1	3.75	82.7	4.3	2.2	51.2	6.3	6.4	101.6
226107	do.	do.	do.	9.9	66	56	---	3.1	3.7	83.8	4.8	2.6	54.2	6.7	7.25	108.2
226103	do.	do.	do.	9	65.5	51	3.6	3.4	3.9	87.2	4.75	2.7	56.8	6.1	7	114.8
226117	do.	do.	do.	8.8	68	49	---	2.85	3.75	76	4.2	2.3	54.8	5.7	6.3	110.5
226097	do.	do.	do.	9.4	62	42	2.9	3.15	3.9	80.8	4.5	2.4	53.3	6.2	26.5	104.8
226111	do.	do.	do.	8.4	70.5	46.5	---	3.15	3.9	80.8	4.4	2.4	54.6	5.7	6.6	115.8
226118	do.	do.	do.	9.2	64	52	---	3.05	3.85	79.2	4.05	2.4	59.2	6	6.8	113.3
226099	do.	do.	do.	9.2	68.5	39	---	3.38	3.85	87.8	5.05	2.5	49.5	5.7	6.55	114.9
226114 ⁹	do.	do.	do.	9	69.5	51	---	2.9	3.75	77.3	4.35	2.6	59.8	5.9	6.3	106.8
226098	do.	do.	do.	9.4	71	56.5	---	3.1	3.8	81.6	4.7	2.5	53.2	5.5	6.9	125.4
226096	do.	do.	do.	9.5	63	48	---	3.15	4	78.7	4.65	2.6	55.9	6	6.7	111.7
Totals				(13) 120.8	(13) 67	(13) 49.5	(2) 6.5	(13) 40.63	(13) 49.65	(13) 81.7	(13) 59.05	(13) 32.2	(13) 54.6	(13) 78.3	(13) 86.65	(13) 110.6
Averages				9.29	67	49.5	3.26	3.12	3.82	76	4.54	2.48	54.6	6.02	6.66	101.6
Minima				8.4	62	39	---	2.85	3.7	76	4.05	2.2	49	5.5	6.3	101.6
Maxima				9.9	71	56.5	---	3.4	4	87.8	5.05	2.7	59.8	6.7	7.25	125.4

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	$Facial\ Index, total \left(\frac{a \times 100}{c} \right)$	$Facial\ Index, upper \left(\frac{b \times 100}{c} \right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
226105	U. S. N. M.	Gazelle Peninsula	Adult	17.4	12.2	12.3	70.1	83.1	13.97	1,220	8 10.5	6.6	13.5	77.8	48.9	10.5	9.6
226116	do	do	do	17.4	12.2	12.2	70.1	82.4	13.93	1,145	---	6.3	12.1	---	52.1	10.5	9.4
227465	do	do	Near adult	16	11.6	12.2	72.5	88.4	13.27	1,000	---	5.4	10.9	---	49.5	9.4	9.2
226112	do	Gazelle Peninsula	Adult	17.6	12.8	13.4	72.7	88.2	14.60	1,300	---	6.4	---	---	---	9.7	10
227464	do	do	do	16.5	12	12.4	72.7	86.7	13.63	1,065	---	5.9	11.4	---	52.3	9.6	9.3
226110	do	Gazelle Peninsula	do	17.7	13	13	73.4	84.4	14.57	1,245	---	6.4	12.2	---	48.4	9.8	9.4
227454	do	do	do	16.8	12.4	12.6	73.8	86.3	13.93	1,155	---	6.4	---	---	---	9.7	9.5
226115	do	Gazelle Peninsula	do	17	12.6	12.3	74.1	83.1	13.97	1,065	---	6.5	12.4	---	52.4	10	9.1
226109	do	do	do	17.2	12.8	13.4	74.4	89.3	14.47	1,200	---	6.2	12.7	---	48.8	9.6	9.7
227459	do	do	do	16.4	12.4	12.4	75.6	86.1	13.73	1,060	---	6.1	12.2	---	50	9.6	9.4
226101	do	Gazelle Peninsula	do	17.6	13.4	12.6	76.1	81.3	14.53	1,220	---	6.3	13.5	---	46.7	10.5	9.9
Totals				(11) 187.6	(11) 137.4	(11) 138.8	(11) ---	(11) ---	(11) 154.6	12,675	---	(11) 68.1	(9) 110.9	---	(9) ---	(11) 108.9	(11) 104.5
Averages				17.65	12.49	12.62	73.3	85.4	14.05	1,152	---	6.19	12.32	---	49.9	9.9	9.5
Minima				16	11.6	12.2	70.1	81.3	13.27	1,000	---	5.4	10.9	---	46.7	9.4	9.1
Maxima				17.7	13.4	13.4	76.1	89.3	14.60	1,300	---	6.6	13.5	---	52.4	10.5	10

NOTE.—For footnotes to reference figures see p. 104.

NEW BRITAIN CRANIA—Continued

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle.	Alv. Angle	Lower Height of Sym-physis	Orbits—Height, mean	Orbis—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
226105	U. S. N. M.	Gazelle Peninsula	Adult	9	63.5	44	3	3.1	3.55	87.3	4.5	2.4	53.3	6	6.7	111.7
226116	do	do	do	9.1	62.5	45	---	3	3.7	81.1	4.25	2.3	54.1	5.9	6.2	105.1
227465	do	do	Near adult	8.4	71.5	45.5	---	3.5	3.7	94.6	4.1	2.3	56.1	5.3	5.9	111.3
226112	do	Gazelle Peninsula	Adult	8.6	74	51.5	---	3.4	4.1	82.9	4.6	2.4	52.2	5.6	6.2	110.7
227464	do	do	do	8.6	69	50	---	3.1	3.65	84.9	4.45	2.2	49.4	5.2	6	115.4
226110	do	Gazelle Peninsula	do	8.8	68.5	51.5	---	3.25	3.7	87.8	4.2	2.2	52.4	5.5	6	109.1
227454	do	do	do	8.4	69	45.5	---	3.1	3.45	89.9	4.6	2.3	50	5.5	6.3	114.6
226115	do	Gazelle Peninsula	do	8.8	63	52.5	---	3	3.7	81.1	4.25	2.65	62.3	6	6.6	110
226109	do	do	do	8.7	72	56	---	3	3.7	81.1	4.4	2.5	56.8	5.3	5.9	111.3
227459	do	do	do	8.8	69.5	55	---	3.4	3.55	96.8	4.6	2.4	52.2	5.3	5.6	105.7
226101	do	Gazelle Peninsula	do	9.2	67	41.5	---	3.3	4	82.5	4.65	2.5	53.8	5.9	6.2	105.1
Totals				(ii) 96.4	(ii) ---	(ii) ---		(ii) 35.15	(ii) 40.8	(ii) ---	(ii) 48.6	(ii) 26.15	(ii) ---	(ii) 61.5	(ii) 67.6	(ii) ---
Averages				8.76	68	48.5	---	3.2	3.71	86.2	4.42	2.38	53.9	5.59	6.14	109.9
Minima				8.4	62.5	41.5	---	3	3.45	81.1	4.1	2.2	49.4	5.2	5.6	105.1
Maxima				9.2	74	56	---	3.5	4.1	96.8	4.65	2.65	62.3	6	6.7	115.4

SOUTH SEA ISLAND CRANIA (BLACKS)

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlicka's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
225154	U. S. N. M.	-----*	Adult-----	19	13	13.9	68.4	86.9	15.30	1,625	-----	6.8	-----	-----	-----	10.3	10.5
Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle.	Alv. Angle	Lower Height of Sym-physis	Orbits—Height, mean	Orbis—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth max.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, max. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$	
225154	U. S. N. M.	-----	Adult-----	9.5	72.5°	57.5°	-----	3.4	3.9	87.2	5.2	2.6	50	5.5	6.6	120	

SOUTH SEA ISLAND CRANIA (BLACKS)—Continued

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlicka's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Ft. (x)	Basion-Nasion (y)
225279	U. S. N. M.		Adult	18.1	12.4	13.3	68.5	86.9	14.60	1,170		6.6	11.8		55.9	10.5	9.9
225156	do		do	17.6	12.2	12.9	69.3	86.6	14.23	1,245		6.3	11.9		52.9	9.5	9.1
Totals				(2)	(2)	(2)	(2)	(2)	(2)	(2)		(2)	(2)		(2)	(2)	(2)
Averages				35.7	24.6	26.2	68.9	86.8	28.83	2,415		12.9	23.7		54.4	20	19
				17.85	12.3	13.1			14.42	1,208		6.45	11.85			10	9.5

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle.	Alv. Angle	Lower Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
225279	U. S. N. M.		Adult	9.4	66.5	54		3.3	3.7	89.2	4.5	2.5	55.6	5.6		
225156	do		do	8.2	67	47.5	2.65	3.3	3.85	85.7	4.3	2.25	52.3	5.5	6.2	112.7
Totals				(2)	(2)	(2)		(2)	(2)	(2)	(2)	(2)	(2)	(2)		
Averages				17.6	66.5	50.5		6.6	7.55	87.3	8.8	4.75	54.1	11.1		
				8.8				3.3	3.78		4.4	2.38		5.55		

¹ Ornamentation interferes with some of the measurements.² Near.³ Teeth in good condition (not worn, or worn but very slightly).⁴ Teeth slightly worn.⁵ Left.⁶ Right.⁷ Painted red.⁸ Teeth moderately worn.⁹ Surely male.

Melanesian crania, summary of measurements

MALES

	South Sea Islands (Blacks)	Torres Straits	Solomon Islands	New Guinea	New Britain	New Hebrides
	(1)	(1)	(5)	(4)	(13)	(1)
Number of skulls.....						
<i>Vault:</i>						
Length.....			18.72	18.78	18.38	
Breadth.....			13.10	13.23	13.32	
Height.....			13.48	13.90	13.45	
<i>Cranial Index</i>			70	70.7	72.5	
<i>Mean Height Index</i>			84.7	87.2	84.9	
Module.....			15.10	15.27	15.05	
Capacity.....			1,403	1,418	1,312	
<i>Face:</i>						
m-n Height.....				11.2		
alv. pt. n.....			6.95	6.85	6.63	
Breadth.....			13.48	12.9	13.58	
<i>Facial Index, Total</i>				86		
<i>Facial Index, Upper</i>			51.6	52.7	48.8	
Basion-alveolar pt. length.....			10.60		10.59	
Basion-nasion pt. length.....			10.08	9.97	10.02	
Basion-subnasal pt. length.....			9.26	8.93	9.29	
<i>Facial angle</i> (degrees).....			66.5		67	
<i>Alveolar angle</i> (degrees).....			46.5		49.5	
<i>Orbits:</i>						
Mean height.....			3.27	3.40	3.12	
Mean breadth.....			3.95	3.97	3.82	
<i>Mean Index</i>			82.8	85.7	81.7	
<i>Nose:</i>						
Height.....			5.02	4.88	4.54	
Breadth.....			2.64	2.68	2.48	
<i>Index</i>			52.6	54.9	54.6	
<i>Dental arch:</i>						
Length.....			5.98		6.02	
Breadth.....			6.62	6.68	6.66	
<i>Index</i>			110.7		110.6	
Lower Jaw: Height at Symphises.....			3.2	3.2	3.25	

FEMALES

	(2)	(4)	(1)	(6)	(11)	
Number of skulls.....						
<i>Vault:</i>						
Length.....	17.85	17.58		17.30	17.05	
Breadth.....	12.30	12.15		12.70	12.49	
Height.....	13.10	12.80		13.02	12.62	
<i>Cranial Index</i>	68.9	69.1		73.4	73.3	
<i>Mean Height Index</i>	86.8	86.1		87.5	85.4	
Module.....	14.42	14.18		14.26	14.05	
Capacity.....	1,208	1,145		1,191	1,152	
<i>Face:</i>						
m-n Height.....						
alv. pt. n.....	6.45	6.75			6.19	
Breadth.....	11.85	12.38		11.64	12.32	
<i>Facial Index, Total</i>						
<i>Facial Index, Upper</i>	54.4	54.5			49.9	
Basion-alveolar pt. length.....	10	10.48			9.9	
Basion-nasion pt. length.....	9.50	9.88		9.72	9.5	
Basion-subnasal pt. length.....	8.80	9.10		8.57	8.76	
<i>Facial angle</i> (degrees).....	66.5	66			68	
<i>Alveolar angle</i> (degrees).....	50.5	49			48.5	
<i>Orbits:</i>						
Mean Height.....	3.30	3.39		3.23	3.20	
Mean Breadth.....	3.78	3.78		3.70	2.71	
<i>Mean Index</i>	87.3	89.7		83.8	86.2	
<i>Nose:</i>						
Height.....	4.40	4.55		4.98	4.42	
Breadth.....	2.38	2.38		2.3	2.38	
<i>Index</i>	54.1	52.3		46.2	53.9	
<i>Dental Arch:</i>						
Length.....	5.55	5.99		5.70	5.59	
Breadth.....		6.12		6.08	6.14	
<i>Index</i>		102.2			109.9	
Lower Jaw: Height at Symphises.....				2.65	3.2	

NOTES ON THE MELANESIANS

The series of this group, except that of New Britain, are too small for any definite conclusions; nevertheless they offer some fairly good indications.

It is plain that the Melanesians are not strictly homogeneous, though the differences are not great.

In general, the crania of this group are of moderate to small size; the sexual characters are ill defined; the vault is decidedly narrow and often relatively high; the face is rather weak, more or less prognathic; the orbits are not high, the nose is moderately broad, the dental arch relatively large.

SOUTH AFRICAN BUSHMEN

BUSHMEN CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
1624	R. C. S.	-----	Adult	18.5	12.7	12.5	68.6	80.1	14.57	-----	6.6	12.6	-----	52.4	19.9	19.8
1300-12	do.	-----	do.	18.6	13	13	69.9	82.3	14.87	2 11	6.5	12.8	85.9	50.8	9.6	9.8
b 20	C. T. U.	Between Fish and Kowie Rivers.	do.	18.1	12.9	12.6	71.3	81.3	14.53	-----	6.3	13.3	-----	47.4	9.7	10.3
10	do.	Southeast Cape Coast.	do.	17.6	12.9	12.8	73.3	84.2	14.43	10.5	6.3	12.6	83.3	50	10	10.1
1303-1	R. C. S.	-----	do.	18.8	13.8	12.1	73.4	74.2	14.90	-----	6.4	12.4	-----	51.6	9.5	9.8
1303-7	do.	-----	Adolescent	19	14	12.6	73.7	76.4	15.20	-----	5.35	12	-----	44.6	-----	-----
1300-15	do.	-----	Adult	18.4	13.7	12.6	74.5	78.8	14.90	3 11.2	c 6.5	12.2	91.8	53.3	9.3	-----
d 29	C. T. U.	-----	do.	17.8	13.3	12.5	74.7	80.1	14.53	-----	-----	12.4	-----	47.6	8.7	9
1145	S. A. M.	Krynsna Cave	do.	18.4	13.8	12.9	75	80.1	15.09	10.2	5.9	12.4	82.3	57.7	10.1	9.4
• 18	C. T. U.	Sand dunes of Hout Bay	do.	18	13.6	12.6	75.6	79.8	14.73	-----	7.1	12.3	-----	57.7	10.1	9.8
1303	R. C. S.	-----	do.	18.5	14	13.4	75.7	82.7	15.30	(6)	6.8	11.9	-----	57.1	10	10.4
1303-3	do.	-----	do.	18.2	13.8	12.7	75.8	79.4	14.90	-----	-----	13.3	-----	-----	-----	9.3
21	C. T. U.	Between Fish and Kowie Rivers.	do.	18.6	14.2	13.1	76.3	79.9	15.30	-----	-----	13.4	-----	-----	-----	9.8
f 1300	R. C. S.	-----	do.	17.4	13.4	12.8	77	82.1	14.53	(7)	-----	12	81.8	-----	-----	9.3
• 1878	S. A. M.	Roeberg Krysne	do.	18	14.4	13	80	80.2	15.13	8 10.3	6.4	12.6	81.8	50.8	9.8	9.6
Totals	-----	-----	-----	(15) 273.9	(15) 203.5	(15) 191.2	(15) 74.3	(15) 80.1	(15) 14.86	(5) 53.20	(11) 70.15	(15) 188.2	(5) 85	(11) 51.2	(10) 96.6	(14) 135.7
Averages	-----	-----	-----	18.26	13.57	12.75	74.3	80.1	14.86	10.64	6.38	12.55	85	51.2	9.66	9.69
Minima	-----	-----	-----	17.4	12.7	12.1	68.6	74.2	14.43	10.2	5.35	11.9	81.8	44.6	8.7	9
Maxima	-----	-----	-----	19	14.4	13.4	80	84.2	15.30	11.2	7.1	13.4	91.8	57.7	10.1	10.4

NOTE.—For footnotes to reference figures see p. 113. For footnotes to reference letters see p. 108.

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
1624	R. C. S.	-----	Adult	8.8	69.5	54	-----	2.95	3.7	79.7	94.55	2.85	62.6	5.6	7.1	126.8
1300-12	do	-----	do	8.6	72	55	3.1	3.3	3.75	88	94.6	2.4	52.2	5.2	6.4	123.1
20	C. T. U.	Between Fish and Kowie Rivers.	do	8.9	77	54	-----	3.05	3.65	83.6	94.95	2.6	52.5	5.1	6.3	123.5
10	do	-----	do	9	72.5	52.5	3	3	3.6	83.3	104.6	2.4	52.2	5.6	6.2	110.7
1303-1	R. C. S.	Southeast Cape Coast.	do	8.8	73	61.5	-----	3.08	3.85	80	94.75	2.45	51.6	5	5.9	118
1303-7	do	-----	do	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1300-15	do	-----	Adolescent	8.3	70	56.5	3.3	3.05	3.65	83.6	94.4	2.25	51.1	5.3	6.5	122.6
29	C. T. U.	-----	Adult	7.6	-----	-----	-----	3.1	3.65	84.9	94.4	2.95	67	-----	-----	-----
1145	S. A. M.	Kryzna Cave.	do	7.7	78	46.5	3.2	2.82	3.6	78.3	94.65	2.8	60.2	4.8	6.2	129.2
18	C. T. U.	Sand dunes of Hout Bay	do	9	67	56.5	-----	2.9	3.65	79.5	94.75	2.35	49.5	5.4	5.9	109.3
1303	R. C. S.	-----	do	9.1	-----	-----	-----	2.95	3.78	78	94.85	2.95	60.8	-----	-----	-----
1303-3	do	-----	do	8.8	64	49	-----	3.1	3.65	84.9	94.9	2.45	50	5.5	7.1	129.1
21	C. T. U.	Between Fish and Kowie Rivers.	do	8.6	-----	-----	-----	3.22	3.65	88.2	104.6	2.8	60.9	-----	-----	-----
1300	R. C. S.	-----	do	8	69	-----	-----	2.82	3.7	76.2	104.4	2.9	65.9	-----	-----	-----
1878	S. A. M.	Roeberg, Kryzne.	do	8.6	69	48	2.9	13.4	3.78	90	104.6	2.45	53.3	5.6	6.2	110.7
Totals	-----	-----	-----	(14) 119.8	(10) 71	(10) 53.5	(5) 15.5	(14) 42.74	(14) 51.66	(14) 82.7	(14) 65	(14) 36.6	(14) 53.1	(10) 53.1	(10) 63.8	(10) 126.8
Averages	-----	-----	-----	8.56	71	53.5	3.1	3.05	3.69	82.7	94.64	2.61	56.3	5.31	6.38	120.2
Minima	-----	-----	-----	7.6	64	46.5	2.9	2.82	3.6	76.2	94.4	2.25	49.5	4.8	5.9	109.3
Maxima	-----	-----	-----	9.1	78	61.5	3.3	3.4	3.85	90	104.95	2.95	67	5.6	7.1	129.2

• Lateral incisors shovel-shaped, medians slightly.

• Known in life.

• Lateral upper incisors shovel-shaped, medians slightly.

• Female-like; skeleton though small is decidedly male.

• Surely male.

• Sex questionable.

• Somewhat marked signs in orbits of symmetric osteoporosis.

• Marked infraorbital notch.

• Inter-dacryon diameter = 3.4.

• Slight intranasal shelves.

• Moderate intranasal shelves.

• Alveolar process swollen externally, both sides.

• Rather marked infraorbital notch, each side.

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maximum	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
^a 23	S. A. M.	-----	Adult	18.4	13.3	12.6	72.3	79.8	14.77	-----	-----	12.2	-----	-----	9.3	10.1
^a 1300-17	do.	-----	do.	17	12.4	12	72.9	81.6	13.80	-----	5.7	12.2	-----	46.7	9.5	9.6
1451	R. C. S.	-----	do.	17.2	12.6	12.3	73.3	82.6	14.03	10.9	6.6	12	90.8	55	9.5	9.4
12	S. A. M.	Kryzna Cave	do.	17.1	13	-----	76	78.2	14.43	9.5	5.35	11.8	80.5	45.3	-----	-----
A	do.	Sand dune, Mussel Bay	do.	17.5	13.6	12.2	77.7	80.4	14.30	29.4	5.6	12.4	83.2	45.2	9.6	9.5
	do.	-----	do.	17.1	13.5	12.3	79	80.4	14.30	29.4	5.7	11.3	-----	50.4	8.9	8.7
Totals	-----	-----	-----	104.3	78.4	61.4	75.2	80.5	14.27	29.8	28.95	59.7	84.9	48.5	46.8	47.3
Averages	-----	-----	-----	17.38	13.07	12.28	75.2	80.5	14.27	9.98	5.79	11.94	84.9	48.5	9.36	9.46

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maximum	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maximum (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
^a 23	S. A. M.	-----	Adult	8.6	°	°	-----	12	112	79.5	94.5	12.8	62.2	5.1	5.8	113.7
^a 1300-17	do.	-----	do.	8.6	74	54	-----	3.1	3.75	82.7	104.1	2.5	61	5.6	5.9	105.4
1451	R. C. S.	-----	do.	8.3	69	52	2.9	13	3.4	88.2	4.5	2.6	57.8	4.8	5.8	120.8
12	S. A. M.	Kryzna Cave	do.	8.5	72	41	3	3	3.6	90.3	94.35	2.4	60	5.1	6	117.6
A	do.	Sand dune, Mussel Bay	do.	8	69	57.5	3.1	3.1	3.35	92.6	93.8	2	52.6	4.9	5.3	108.2
Totals	-----	-----	-----	42	73.5	57.5	9	18.55	21.52	86.1	25.25	15	59.4	25.5	28.8	112.9
Averages	-----	-----	-----	8.4	73.5	57.5	3	3.09	3.59	86.1	4.21	2.5	59.4	5.1	5.76	112.9

^a Sex questionable.^b Marked infraorbital notch.

NOTE.—For footnotes to reference figures see p. 113.

HOTTENTOT

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
1296	R. C. S.		Adult	18.6	13	13.8	69.9	87.3	15.13	13 11.3	6.4	13.8	81.9	46.4	11.3	10.7
1303-6	do.		do.	18.8	13.6	13.2	72.3	81.5	15.20	10.5	6.2	13.1	82.7	47.3	10.1	10.2
1268	S. A. M.	Orange River	do.	18.2	13.2	13	72.5	82.8	14.80	10.5	6	12.7	82.7	47.2	9.8	9.6
14	do.		do.	18.6	13.9	13.2	74.7	81.5	15.23	10.5	7.1	13	82.7	54.6	9.9	10.4
Totals				(4) 74.2	(4) 53.7	(4) 53.2	(4) 72.4	(4) 83.2	(4) 15.09	(2) 21.8	(4) 25.7	(4) 52.6	(2) 82.3	(4) 48.8	(4) 41.1	(4) 40.9
Averages				18.55	13.42	13.3	72.4	83.2	15.09	10.9	6.42	13.15	82.3	48.8	10.28	10.22

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (1)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{1}{b \times 100}\right)$
1296	R. C. S.		Adult	10	68	47	3.7	3.12	4.2	74.3	94.5	2.65	58.9	6.1	6.5	106.6
1303-6	do.		do.	9.4	73	63		3.1	3.7	83.8	104.45	2.65	59.5	5.2	6.3	121.2
1208	S. A. M.	Orange River	do.	8.8	70.5	49	3.2	2.95	3.48	84.8	104.5	2.6	57.8	5.5	6.6	120
b 14	do.		do.	9	73.5	62		3.2	3.78	84.6	4.7	2.65	56.4	5.7	6.7	117.5
Totals				(4) 37.2	(4) 71.5	(4) 55.5	(2) 6.9	(4) 12.37	(4) 15.16	(4) 81.5	(4) 18.15	(4) 10.55	(4) 58.1	(4) 22.5	(4) 26.1	(4) 116
Averages				9.3	71.5	55.5	3.45	3.09	3.79	81.5	4.54	2.64	58.1	5.62	6.52	116

Upper left lateral incisor markedly shovel-shaped, medians trace. Slight infraorbital notch, right, moderate left. Characters in general those of the negro.
 Identification questionable.
 Marked infraorbital notch.

NOTE.—For footnotes to reference figures see p. 113.

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
30	S. A. M.	Namaqualand.	Adult	18.4	13.4	12.7	72.8	79.9	14.83	10.7	6.3	12.6	84.9	50	9.2	9.7
10	do	do	do	17.1	13	12.2	76	81.3	14.10	11	6.5	12.7	86.6	51.2	9.5	9.4
31	do	do	do	17.8	13.6	12	76.4	76.4	14.47	10.4	6.7	12.4	83.9	54	9.1	9.4
29	do	do	do	17.2	13.8	12.1	80.2	78.1	14.37	10.7	6.7	12.2	87.7	54.9	9.3	9
Totals				(4) 70.5	(4) 53.8	(4) 49	(4) 76.3	(4) 78.8	(4) 14.44	(4) 42.8	(4) 26.2	(4) 49.9	(4) 85.7	(4) 52.5	(4) 37.1	(4) 37.5
Averages				17.62	13.45	12.25	76.3	78.8	14.44	10.7	6.55	12.48	85.7	52.5	9.28	9.58

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Racial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
30	S. A. M.	Namaqualand	Adult	8.4	75	53.5	3.3	3.12	3.65	85.5	94.95	2.8	56.6	4.9	6.1	124.5
10	do.	do.	do.	8.6	69	57.5	3.2	3.3	3.65	90.4	104.65	2.55	54.8	5	6.3	126
31	do.	do.	do.	8.4	71.5	61	2.75	3.3	3.6	91.7	94.95	2.55	51.5	4.9	5.8	118.4
29	do.	do.	do.	8.2	66	54	3.2	3.1	3.7	83.8	104.6	2.55	55.4	5.2	5.7	109.6
Totals				(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Averages				33.6	70.5	57	12.45	12.82	14.6	87.7	19.15	10.45	54.5	20	23.9	119.6
				8.4			3.11	3.2	3.65		4.79	2.61		5	5.98	

• Inter-dacryon diameter = 2.9.

• Defects, not marked, of lower orbital border, as in the negroes.

- ¹ Near.
² Teeth in good condition (not worn or worn but very slightly).
³ Teeth nearly in good condition.
⁴ About.
⁵ Teeth medium worn (more than moderate).
⁶ Incisors missing.
⁷ Absorption of alveolus.
⁸ Teeth somewhat worn.
- ⁹ Lower border distinct.
¹⁰ Lower border nearly distinct.
¹¹ Approximate.
¹² Right.
¹³ Teeth moderately worn.
¹⁴ Teeth slightly worn.
¹⁵ Left.
¹⁶ Right.

SOUTH AFRICAN NEGROES

SOUTH AFRICAN NEGRO CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam, antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
1255	S. A. M.	Mahalinga, Southern Rhodesia.	Adult.	19.5	13	13	66.7	80.2	15.17	2 11.7	6.8	13.1	89.3	51.9	10.4	10.2
3052	do.	Swakopmund.	do.	19	12.7	12.4	66.8	78.5	14.70	---	7.3	13.6	---	53.7	10.7	10.2
1464	do.	Damaraland	do.	18.1	12.2	13.1	67.4	86.2	14.47	14 11.9	6.9	12.9	92.2	53.5	9.7	10.1
3476	do.	Ovambo	do.	18.6	12.6	12.8	67.7	82	14.67	---	7.3	13.7	---	53.3	10.8	10.4
155	do.	do.	do.	19.9	13.5	13.9	67.8	82.2	15.77	3 11.8	7	12.8	92.2	54.7	10	10
1868	do.	"Southwest Protectorate"	do.	20.2	13.9	12.6	68.8	74.1	15.57	---	6.9	13.2	---	52.3	10	10.2
a 25	do.	do.	do.	19.2	13.2	13.8	68.8	85.2	15.40	2 11.2	6.4	13.3	84.2	48.1	11.2	10.9
(b)	Dr. Drennan's	do.	do.	21.3	14.7	14.5	69	80.6	16.83	12.4	7.3	14	88.6	52.1	11.4	11.4
3036	do.	"Cape"	do.	18.8	13	13.9	69.2	87.4	15.23	---	7	13.5	---	51.8	9.7	10.6
3035	S. A. M.	Ovambo	do.	18.9	13.1	14	69.3	87.5	15.33	14 11.9	7.3	14	85	52.1	11.7	10.8
3473	do.	Ovamboland	do.	19	13.2	14.3	69.5	89.4	15.50	---	7.5	13.6	---	55.2	10.3	11
168	do.	do.	do.	18.7	13	13.9	69.5	88	15.20	---	7.6	13.5	---	56.8	11.1	10.5
3477	do.	Ovambo	do.	19	13.3	13.4	70	82.7	15.23	---	7	13	---	53.8	11	10.8
3493	do.	do.	do.	19.1	13.4	13.1	70.2	80.9	15.20	---	---	---	---	---	---	10.3
3489	do.	do.	do.	19.2	13.5	13.4	70.3	81.7	15.37	---	---	---	---	---	---	10.5
e 166	do.	Kowie	do.	19	13.4	13.2	70.5	81.5	15.20	---	7	14	---	50.7	10.9	10.7

26	C. T. U.	Near Mafeking	do.	19.8	14	13.2	70.7	78.1	15.67	6	12.9	46.5	9.8	10
31	do.	do.	do.	19.4	13.8	13.4	71.1	80.7	15.53	7	13.4	51.5	10.2	10.4
14	S. A. M.	Damara	do.	18.5	13.2	12.8	71.4	81	14.83	6.9	13.4	47.9	10.3	10.3
153	do.	do.	do.	19.9	14.2	14.1	71.4	82.9	16.07	7	14.6	60	10.9	10.9
^a 3490	do.	Ovambo	do.	18.2	13	13	71.4	83.3	14.73	7.8	13	47.5	9.7	9.7
3041	do.	Ovamboland	do.	20.1	14.5	13.6	72.1	86.5	14.93	6.7	13.1	47.8	10.2	10.2
3694	do.	do.	do.	17.8	12.9	13.6	72.5	88.8	14.77	6.6	13.8	54.6	10.4	10.4
[•] 1465	do.	Damaraland	do.	19	14	13.7	73.7	83	15.57	17.1	12.8	89.9	10.3	10.3
3483	do.	Ovambo	do.	18.5	13.8	13.8	74.6	85.2	15.37	7.1	12.9	55	10.6	10.6
3037	do.	do.	do.	18.6	13.9	13.4	74.7	82.7	15.30	7.1	12.9	52.7	10.7	10.7
3739d	do.	do.	do.	18.2	13.7	13.3	75.3	83.1	15.07	6.9	13.1	50	10.1	10.1
1866	do.	Salisbury, Northern Rhodesia.	do.	18	13.6	13.4	75.6	84.8	15	6.7	12.7	51.9	10.3	10.4
3467	do.	Ovambo	do.	18.5	14	13.6	75.7	84	15.37	6.7	12.9	52	10.1	10.4
1884	do.	Mashona	do.	17.8	13.5	14	75.8	89.7	15.10	6.4	12.3	52.8	10.5	10.8
3038	do.	Ovambo	do.	19.3	14.9	13.8	77.2	80.7	16	6.7	12.7	52.8	9.3	9.6
12	do.	Bechuana	Near adult	17.7	13.8	12.8	78	81	14.77	6.7	12.7	52.8	10.2	10.2
16	C. T. U.	do.	Adult	18.6	14.6	13.6	78.5	81.9	15.60	6.7	12.7	52.8	10.2	10.2
[•] 3	S. A. M.	Fire River	do.	18.6	14.6	13.6	78.5	81.9	15.60	6.7	12.7	52.8	10.2	10.2
Totals				(34) 643.6	(34) 460.2	(34) 457.9	(34) 71.5	(34) 82.9	(34) 15.31	(34) 194.9	(34) 386.9	(34) 292.2	(34) 353.7	(34) 353.7
Averages				18.93	13.54	13.47	71.5	82.9	15.31	6.96	13.54	52.2	10.44	10.44
Minima				17.7	12.2	12.4	66.7	74.1	14.47	6	12.3	46.5	9.3	9.6
Maxima				21.3	14.9	14.5	78.5	89.7	16.83	7.8	14.6	60	11.7	11.4

NOTE.—For footnotes to reference figures see p. 113. For footnote to reference letters see p. 117.

SOUTH AFRICAN NEGRO CRANIA—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
1255	S. A. M.	Mahalanga, Southern Rhodesia.	Adult	9.1	69	48.5	3.5	3.55	4	88.7	94.8	2.7	56.2	5.6	6.5	116.1
3052	do	Swakopmund	do	9.5	66	50.5	---	3.38	3.9	86.7	95.3	2.85	53.8	5.8	6.8	117.2
1464	do	Damaraland	do	8.6	73	53.5	3.3	3.38	3.7	91.4	94.9	2.65	54.1	5.1	6.7	131.4
3476	do	Ovambo	do	9.2	68	42	---	3.02	3.55	85.1	95.3	3.15	59.4	6.3	7.6	120.6
155	do	do	do	8.9	69.5	58	3.7	3.3	3.8	86.8	94.55	2.9	62.7	5.9	6.1	103.4
1868	do	"Southwest Protectorate"	do	9.2	72	61	---	2.92	3.75	77.9	94.95	2.55	51.5	5.3	6.5	122.6
a 25	do	do	do	10.3	71	52.5	3.6	3.38	3.85	87.8	94.9	3	61.2	5.9	6.9	117
(b)	Dr. Drennan's	"Cape"	do	10.2	73	55.5	3.6	3.22	4	80.5	105.4	3.15	58.3	6.1	7.2	118
3036	S. A. M.	Ovambo	do	8.7	77	59	---	3.3	3.7	89.2	94.8	2.5	52.1	5.3	6.7	126.4
3035	do	Ovamboland	do	10.3	64.5	52.5	3.8	3.35	3.35	100	4.75	2.85	60	6.3	6.9	109.5
3473	do	Ovambo	do	9.6	74.5	66.5	---	3.4	3.8	89.5	5.1	2.45	48	5.7	7.3	128.1
168	do	do	do	9.6	65.5	51.5	---	3.42	3.75	91.2	94.95	3.85	77.8	6.4	6.6	103.1
3477	do	Ovambo	do	9.8	70	56	---	3.5	3.9	89.7	4.6	2.95	64.1	6	7.2	120
3493	do	do	do	---	---	---	---	---	---	---	---	---	---	---	---	---
3489	do	do	do	9.7	69.5	56	---	3.38	3.85	87.8	95	3.1	62	5.7	6.7	117.5
a 166	do	Kowie	do	9.8	69.5	56	---	3.4	3.9	87.2	94.75	3.05	64.2	---	---	---

SOUTH AFRICAN NEGRO CRANIA—Continued

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
3739c	S. A. M.	Ovambo.	Adult	18.7	12.6	12.9	67.4	82.7	14.73							10
3479	do	do	do	18	12.5	12.9	69.4	84.9	14.47		5.9	12		49.2	9.7	9.8
3470	do	do	do	17.6	12.4	12.4	70.4	82.7	14.13		6.6	12.3		53.7	10.1	9.5
3475	do	do	do	17.5	12.4	13.3	70.9	88.7	14.40		6.5	12.1		53.7	9.9	9.7
3739a	do	do	do	17.9	12.7	12.8	71	83.7	14.47							10.2
1867	do	Near Salisbury Northern Rhodesia.	do	18.9	13.5	12.8	71.4	79	15.07		16.8	12.4		54.8	10.4	10.2
3471	do	Ovambo.	do	18	12.9	12.6	71.7	81.8	14.50		6.8	12.6		54	9.6	8.8
3494	do	do	do	18.4	13.2	12.4	71.7	78.5	14.67							10.1
3739b	do	Ovambo.	do	18.4	13.2	13	71.7	82.3	14.87							
3481	do	do	do	18.1	13	13.6	71.8	87.2	14.90		7	12		58.3	9.7	9.6
3492	do	do	do	17.6	12.7	13.4	72.2	88.2	14.57		6.3	12.2		51.6	9.5	9.9
1463	do	Damaraland	do	18.3	13.3	13.6	72.7	86.1	15.07			12.6				9.7
3478	do	Ovambo	do	16.7	12.2	12.7	73	83.8	13.87		6.3	12.3		51.2	10.1	10
1869	do	Herero South West Africa	do	17.3	13	12.9	73	83.8	14.57	13 10.3	6.6	12.5		52.8	10.5	10.1
3486	do	Ovambo	do	17.3	12.7	13	73.4	86.7	14.33		6.2	12		51.7	9.4	9.7
3040	do	do	do	18.1	13.3	12.9	73.5	82.2	14.77		6.85	12.4		55.2	10.3	9.9
3491	do	do	do	17.9	13.2	13.4	73.7	85.9	14.83		6.5	12.2		53.3	9.3	9.3
3469	do	do	do	17.8	13.2	12.8	74.2	82.6	14.60		17	12.8		54.7	10.3	10
3487	do	do	do	19	14.1	12.8	74.2	77.1	15.30		6.7	13.4		50	9.5	9.5
3488	do	do	do	18	13.4	14	74.4	89.2	15.13		6.8	12.8		53.1	10.3	10.4
3468	do	do	do	17.6	13.1	12.9	74.4	83.8	14.53		6	12.9		46.5	9.1	9.4
3484	do	do	do	17.7	13.3	13.6	75.1	87.7	14.87		6.6	12.4		50	10.3	9.9
3480	do	do	do	16.8	12.7	12.4	75.6	83.8	13.97		16.2	12.4		50	19.2	9.1
3482	do	do	do	17.3	13.1	12.4	75.7	81.6	14.27		6.4	11.8		54.2	9.5	9.5
3472	do	do	do	17.6	13.4	13.9	76.1	89.7	14.97		6.8	13.1		51.9	10.7	10.4
3485	do	do	do	17.4	13.4	13.1	77	85.1	14.63		6.5	12.4		52.4	19.3	9.2
Totals.				(26) 464.4	(26) 338.5	(26) 338.5	(26) 72.9	(26) 84.3	(26) 14.63	10.3	(21) 137.35	(21) 261.2		(26) 52.6	(21) 206.7	(25) 243.9
Averages.				17.86	13.02	13.02	72.9	84.3	14.63		6.54	12.44		52.6	9.84	9.76
Minima.				16.7	12.2	12.4	67.4	77.1	13.87		5.9	11.8		46.5	9.1	8.8
Maxima.				19	14.1	14	77	89.7	15.30		7	13.4		58.3	10.7	10.4

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Racial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
3739c	S. A. M.	Ovambo	Adult	8.7	73.5	53	—	3.25	3.5	92.9	104.2	2.6	61.9	5.4	6.4	118.5
3479	do.	do.	do.	8.9	66	53	—	2.95	3.6	87.9	94.4	2.8	63.6	5.7	6.4	112.3
3475	do.	do.	do.	8.7	69	54	—	3.15	3.62	87	94.2	2.45	58.3	5.6	6.3	112.5
3739a	do.	do.	do.	—	—	—	—	—	—	—	—	—	—	—	—	—
a 1867	do.	Near Salisbury Rhodesia.	do.	9.3	69	53.5	13.2	3.62	3.65	99.2	104.8	2.75	57.3	—	—	—
3471	do.	Ovambo	do.	8.2	62	49	—	3.05	3.48	87.6	94.5	2.85	63.3	5.6	6.9	123.2
3494	do.	do.	do.	—	—	—	—	—	—	—	—	—	—	—	—	—
3739b	do.	Ovambo	do.	8.2	68	46.5	—	3.28	3.6	91.1	94.8	2.9	60.4	5.7	6.6	115.8
b 3481	do.	do.	do.	8.8	74.5	61.5	—	3.18	3.62	87.8	94.55	2.6	57.2	5.5	6.1	110.9
3492	do.	do.	do.	9	—	—	—	—	3.5	90.8	94.4	2.65	60.2	5.9	6.4	108.5
1463	do.	Damaraland	do.	—	—	—	—	—	3.5	85.7	4.4	2.5	56.8	5.4	5.9	109.3
3478	do.	Ovambo	do.	8.9	71	50.5	—	3	3.5	89.7	104.5	2.85	63.3	5.6	6.1	108.9
1869	do.	Herero South West Africa.	do.	9.2	68.5	56.5	12.7	3.5	3.9	98.6	94.65	2.55	54.8	15	6	120
3486	do.	Ovambo	do.	8.6	74	56.5	—	3.38	3.65	92.6	104.9	2.6	53.1	5.8	6	108.4
3040	do.	do.	do.	9	67.5	48	3.5	3	3.75	80	94.5	2.95	65.6	5.3	6.5	122.6
3491	do.	do.	do.	8.4	69.5	57.5	—	3.6	3.8	94.7	94.85	2.85	58.8	5.8	6.5	117.2
3469	do.	do.	do.	8.9	67.5	48.5	—	3.38	3.8	83.9	94.9	2.9	59.2	5.6	6.5	116.1
b 3487	do.	do.	do.	8.4	69.5	50.5	—	3.6	3.8	95.3	104.85	2.6	53.6	5.8	6.4	110.3
b 3488	do.	do.	do.	9	72	49.5	—	3.62	3.8	87.8	104.3	2.5	58.1	5.4	6.7	124.1
3468	do.	do.	do.	8.2	74	56	—	3.25	3.7	87.8	104.3	2.6	57.8	5.7	6.2	108.8
3484	do.	do.	do.	9.1	68	52	—	13.2	3.55	90.1	4.5	2.9	64.4	5.7	6.5	114
3480	do.	do.	do.	8.2	70	52	—	3.1	3.6	86.1	4.5	2.9	64.4	5.7	6.5	114
3482	do.	do.	do.	8.6	70	57.5	—	3.45	3.55	97.2	94.55	2.7	59.3	5.2	7.1	118.2
b 3472	do.	do.	do.	9.2	69	46.5	—	3.38	3.7	91.4	4.65	2.9	62.4	6	7.1	118.3
3485	do.	do.	do.	8.4	68.5	57	—	3.08	3.3	93.4	104.55	2.55	56	5.3	5.9	111.3
Totals				(22) 191.9	(21) —	(21) —	(3) 9.4	(22) 72.1	(22) 79.72	(22) —	(22) 100.45	(22) 59.55	(22) —	(21) 117	(21) 133.9	(21) —
Averages				8.79	69.5	52	3.18	3.28	3.62	90.6	4.56	2.71	59.4	5.57	6.38	114.5
Minima				8.2	62	46.5	2.7	2.95	3.3	80	4.2	2.45	53.1	5	5.9	103.4
Maxima				9.3	74.5	61.5	3.5	3.62	3.9	99.2	4.9	2.95	65.6	6	7.1	124.1

♂ Surely male.

♂ Zygoma malelike, mastoids semi-malelike, but other features female.

NOTE.—For footnotes to reference figures see p. 113.

Comparison of measurements

MALE

Group	No.	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
Bushmen	(15)	18.26	13.57	12.75	74.3	80.1	14.86	10.64	6.38	12.55	85	51.2	9.66	9.69
Hottentot	(4)	18.55	13.42	13.3	72.4	83.2	15.09	10.9	6.42	13.15	82.8	48.8	10.28	10.22
South African Negro	(34)	18.93	13.54	13.47	71.5	82.9	15.31	11.66	6.96	13.34	87.9	52.2	10.44	10.4

Group	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
Bushmen	8.56	71	53.5	3.1	3.05	3.69	82.7	4.64	2.61	56.3	5.31	6.38	120.2
Hottentot	9.3	71.5	55.5	3.45	3.09	3.79	81.5	4.54	2.64	58.1	5.62	6.52	116
South African Negro	9.37	70.5	55.5	3.58	3.32	3.79	87.6	4.88	2.82	67.8	5.73	6.7	116.9

FEMALE

Group	No.	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Facial Index, Upper	Facial Angle	Orbital Index	Nasal Index	Index of the Upper Dental Arch		
Bushmen.....	(6)	17.38	13.07	12.28	75.2	80.5	14.27	9.93	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
Hottentot.....	(4)	17.62	13.45	12.25	76.3	78.8	14.44	10.7	5.79	11.94	84.9	48.5	9.36	9.46
South African Negro.....	(26)	17.86	13.02	13.02	72.9	84.3	14.63	10.3	6.55	12.48	85.7	52.5	9.28	9.38
									6.54	12.44	82.4	52.6	9.84	9.76

Group	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
Bushmen.....	8.4	73.5	51.5	3	3.09	3.59	86.1	4.21	2.5	59.4	5.1	5.76	112.9
Hottentot.....	8.4	70.5	57	3.11	3.2	3.65	87.7	4.79	2.61	54.5	5	5.98	119.6
South African Negro.....	8.72	69.5	52	3.13	3.28	3.62	90.6	4.56	2.71	59.4	5.57	6.38	114.5

* Could be measured in one skull only.

• In two skulls only.

Bushmen, Hottentots, and South African negroes contrasted												
(Both sexes taken together)												
Cranial Index	Mean Height Index	Cranial Module	Facial Index, Upper	Facial Angle	Orbital Index	Nasal Index	Index of the Upper Dental Arch					
(21) 74.6	(20) 80.2	(20) 14.71	(16) 50.4	(14) 72	(20) 83.7	(20) 57.2	(15) 117.8					
(8) 74.4	(8) 81	(8) 14.76	(8) 50.6	(8) 71	(8) 84.6	(8) 56.3	(8) 117.8					
(60) 72.1	(60) 83.5	(60) 15.01	(47) 52.4	(49) 70	(54) 88.8	(53) 58.5	(48) 115.9					
Bushmen.....												
Hottentots.....												
S. A. Negro.....												

* Could be measured in one skull only.

* In two skulls only.

Bushmen, Hottentots, and South African negroes contrasted
(Both sexes taken together)

	Cranial Index	Mean Height Index	Cranial Module	Facial Index, Upper	Facial Angle	Orbital Index	Nasal Index	Index of the Upper Dental Arch
Bushmen	(21) 74.6	(20) 80.2	(20) 14.71	(16) 50.4	(14) 72	(20) 83.7	(20) 57.2	(15) 117.8
Hottentots	(8) 74.4	(8) 81	(8) 14.76	(8) 50.6	(8) 71	(8) 84.6	(8) 56.3	(8) 117.8
S. A. Negro	(60) 72.1	(60) 83.5	(60) 15.01	(47) 52.4	(49) 70	(54) 88.8	(53) 58.5	(48) 115.9

SOUTH AFRICAN BUSHMEN, HOTTENTOTS, NEGROES

The material of these series leaves much to be desired, particularly in the cases of the Hottentot and the Bushmen. Such as it is, however, it gives the following indications:

BUSHMEN

The Bushmen show extensive variation in the cephalic index (males, 68.6–80), in the upper facial index (males, 44.6–57.7), in the orbital index (males, 76.2–90), and in the nasal index (males, 49.5–65.9).

The vault is decidedly low.

The size of the head is small.

The face is small.

The orbits are prevalently low, the nose broad.

The "palate" (dental arch) is short and relatively broad, giving high index.

HOTTENTOTS

In every item the eight Hottentots that could be measured give average values so close to those of the Bushmen that no clear distinction of the two is possible. So far as these series are concerned, we are obviously confronted by one basic type only and that, in the Bushman, probably a degenerate rather than a pure racial type.

NEGROES

The series of specimens in this group is rather fair and shows well the main characteristics of the group.

The skull of the South African (Bantu) negro differs, though on the whole not really greatly, from that of the Bushman and Hottentot. It is more uniform. It is longer, so that the cephalic index is somewhat lower; the vault is somewhat higher; the skull as a whole is a little larger, but this is discounted by the greater stature and mass of the negro; the face is higher and more prognathic; the orbits are higher, the nose and palate somewhat broader than in the Bushman and Hottentot.

When studied more in detail, nevertheless, the two strains—that is, the Bushmen and Hottentot on one side and the negro on the other—show decided and important relations.

NEGROES (AFRICAN AND AMERICAN)

(BRITISH) EAST AFRICA NEGRO CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum (glabella ad maximum)	Diam. lateral maximum	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maximum (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
257588	U. S. N. M.	Nairobi	Adult	18.8	12.9	12.6	68.6	79.8	14.77	1,265							
257591	do.	do.	do.	18.6	12.8	12.5	68.8	79.6	14.63	1,320							
257540	do.	Fort Hall	do.	18.5	13.1	13.4	70.8	84.8	15.00	1,460							
273201	do.	Sagalla	do.	18.6	13.3	13.2	71.5	82.5	15.03	1,350							
257595	do.	Nairobi	do.	18.6	13.3	12.9	71.5	80.6	14.93	1,430							
257589	do.	do.	do.	18.3	13.2	13.6	72.1	86.1	15.03	1,425							
257546	do.	Fort Hall	do.	18.3	13.2	13.4	72.1	84.8	14.97	1,450							
273204	do.	Near Sagalla	do.	18.7	13.5	13.1	72.2	81.4	15.10	1,355							
257579	do.	Nairobi	do.	17.9	13	13	72.6	84.4	14.63	1,400							
257596	do.	do.	do.	18.4	13.4	13.7	72.8	86.2	15.17	1,470							
273207	do.	Near Sagalla	do.	19	13.9	13.6	73.2	82.9	15.50	1,550							
257594	do.	Near Naivasha	do.	18.6	13.7	13.1	73.7	80.9	15.13	1,310							
257582	do.	Nairobi	do.	17.3	13.8	13	79.8	83.3	14.70	1,340							
257597	do.	do.	Near adult	17.4	13.9	13.8	79.9	88.5	15.03	1,490							
Totals				(14) 257	(14) 187	(14) 184.9	(14) 72.8	(14) 83.3	(14) 209.62	(14) 19,615		(13) 90.95	(10) 129.7		(10) 54.5	(13) 131.7	(14) 141.1
Averages				18.86	13.6	13.21	72.8	83.3	14.97	1,401		7	12.97		54.5	10.13	10.08
Minima				17.3	12.8	12.5	68.6	79.6	14.63	1,265		6.5	12.4		50.4	9.5	9.7
Maxima				19	13.9	13.8	79.9	88.5	15.50	1,550		7.9	13.6		58.9	11.1	10.6

1 Near.

2 Right.

3 Left.

4 Short.

5 Teeth moderately worn.

6 Teeth in good condition (not worn or but very slightly worn).

7 Teeth much worn.

8 Teeth slightly worn.

9 About.

(BRITISH) EAST AFRICA NEGRO CRANIA—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle.	Alv. Angle	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
257588	U. S. N. M.	Nairobi	Adult	9.2	64	46	3.3	3.8	86.8	4.4	2.8	63.6	6.3	6.1	96.8
257591	do	do	do	8.7	69	52	3.4	2.3	89.5	4.6	2.7	58.7	5.7	6.6	115.8
257540	do	Fort Hall	do	8.8	69.5	44.5	3.48	4	87	5.3	2.7	50.9	5.9	6.8	115.2
273201	do	Sagalla	do	8.7	68.5	53	3.4	3.8	89.5	4.7	2.4	51.1	5.6	6.4	116.4
257595	do	Nairobi	do	9	69	58.5	3.35	3.68	91	4.7	2.5	53.2	5.5	6.35	111.4
257589	do	do	do	9.1	69.5	51.5	3.35	3.75	89.8	4.7	2.5	55.2	5.7	6.3	116.7
257546	do	Fort Hall	do	8.5	73	55.5	3.1	3.5	88.6	4.95	2.8	56.6	5.4	6.3	116.7
273204	do	Near Sagalla	do	8.6	71	51	3.35	3.7	90.5	5.1	2.9	56.9	5.4	6.4	118.5
257579	do	Nairobi	do	9	74	56.5	3.2	3.8	84.2	4.7	2.6	55.3	6.1	6.7	109.8
257596	do	do	do	10	67	51	3.45	3.8	90.8	5.35	2.9	54.2	5.75	5.9	101.7
273207	do	Near Sagalla	do	9	68.5	54.5	3.35	4	83.7	5.78	2.9	50.2	5.8	7.4	119.6
257594	do	Near Naivasha	do	8.6	68	46.5	3.22	3.85	83.6	4.65	2.6	55.9	(*)	6.7	119.6
257582	do	Nairobi	do	8.5	73	51	3.3	3.8	79	4.75	2.8	59	5.6	6.7	119.6
257597	do	do	Near adult	8.5	73	51	3.2	3.85	83.1	4.75	2.8	59	5.6	6.7	119.6
Totals				(13) 115.7	(13)	(13)	(14) 46.15	(14) 53.13	(14) 87.1	(13) 63.68	(13) 35.1	(13) 55.1	(12) 68.75	(11) 71.65	(10) 111.9
Averages				8.9	69.5	51	3.3	3.79	87.1	4.9	2.7	55.1	5.73	6.51	111.9
Minima				8.5	64	44.5	3	3.5	79	4.4	2.4	50.2	5.4	5.9	96.8
Maxima				10	74	58.5	3.48	4	91	5.78	2.9	63.6	6.3	7.4	119.6

NOTE.—For footnotes to reference figures see p. 123

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
257542	U. S. N. M.	Nyeri	Near adult	18.4	12.4	13	67.4	84.4	14.60	1,360	10.9	6.5	12.2	89.3	53.3	10	10
273202	do	Near Sagalla	Adult	17.3	11.8	11.9	68.2	81.5	13.67	1,145			11.5				8.8
257586	do	Nairobi	do	18.2	12.6	12.3	69.2	79.9	14.37	1,155							9.8
257584	do	do	do	18	12.6	11.7	70	76.5	14.10	1,090					50	9.9	9.3
257574	do	Nyiro River	do	17.9	12.6	12.4	70.4	81	14.30	1,270							9.5
257549	do	Fort Hall	do	17.6	12.4	12.9	70.4	86	14.30	1,275							9.8
273206	do	Sagalla	do	18.3	13	(11.7)	71		(14.33)	1,285							9.9
273200	do	Near Sagalla	do	17.4	12.4	12.6	71.3	84.6	14.13	980							10
257587	do	Nairobi	do	18.2	13	12.5	71.4	80.1	14.57	1,350							9.7
257544	do	Fort Hall	do	18.2	13.1	13	72	83.3	14.77	1,330							
273203	do	Sagalla	do	17.6	12.8	12.6	72.7	82.9	14.33	1,320							10.1
257548	do	Nyeri	Senile	18	13.2	12.4	73.3	79.5	14.53								10.8
257583	do	Nairobi	Adult	18	13.2		73.3										
273205	do	Near Sagalla	do	18	13.2	13.4	73.3	85.9	14.87	1,360							
257599	do	Nairobi	do	17.8	13.1	12.8	73.6	83.1	14.57	1,220							9.9
257581	do	Near Naivasha	do	17.6	13.1	13	74.4	84.4	14.57	1,165							10.3
257590	do	Nairobi	do	18.2	13.6	12.5	74.7	78.6	14.77	1,290							9.9
257578	do	do	do	17.6	13.2	12.5	75	84.4	14.60	1,185							9.8
257592	do	do	Near adult	17.6	13.2	12.5	75.3	81.2	14.43	1,285							10.1
257547	do	do	Adult	17.6	13.2	12.8	75.3	82	14.67	1,380							9.6
257549	do	Nyeri	do	17.8	13.4	12.1	75.4	78.6	14.27	1,240							9.5
273199	do	Near Sagalla	do	17.5	13.2	12.1	75.4	83.3	13.60	1,060							9.4
273198	do	do	do	16.4	12.4	12	75.6	80	14.03	1,170							8.9
257600	do	Nairobi	do	17.1	13	12	76		14.10	1,195							9.4
257576	do	do	Near adult	17.5	13.4	11.4	76.6	74	14.10	1,195							
257598	do	do	Adult	17.5	13.2	12.1	76.7	79.6	14.17	1,220							9.2
257545	do	Fort Hall	do	17.7	13.6	13.4	76.8	85.9	14.90	1,370							9.8
257585	do	Nairobi	Near adult	17.2	13.7	11.8	79.6	76.6	14.23	1,350							9.1
257573	do	do	Adult	17.6	12.7	12.7											9.9
Totals.				(23) 495.9	(27) 350.4	(26) 324.8	(17) 73.3	(18) 81.5	(23) 359.45	(25) 31,050		(30) 130.1	(15) 186.9		(14) 51.7	(20) 198.6	(33) 242.5
Averages				17.71	12.98	12.49			14.38	1,242		6.5	12.46				9.93
Minima				16.4	11.8	11.4	67.4	74	13.60	980		5.7	11.5				8.8
Maxima				18.4	13.7	13.4	79.6	86	14.90	1,380		7.2	13.3				10.8

• Height of lower jaw at symphysis about 2.9.

NOTE.—For footnotes to reference figures see p. 123.

(BRITISH) EAST AFRICA NEGRO CRANIA—Continued

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle.	°	Alv. Angle	°	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
257542	U. S. N. M.	Nyeri	Near adult	8.7	71	48			3.3	3.7	89.2	4.6	2.8	60.9	5.4	6.5	120.4
273202	do	Near Sagalla	Adult	8.4					3.4	3.75	90.7	4.5	2.2	48.9		58	
257586	do	Nairobi	do														
257584	do	do	do														
257574	do	Nyiro River	do	8.7	65	46			3.42	4.1	82.4	4.75	2.9	61.1	5.8	6.2	106.9
257549	do	Fort Hall	do	8	71.5	58			3.2			5.15	2.3	44.7	4.7	5.9	125.5
273206	do	Sagalla	do	9.2	71.5	55.5			3.25	3.55	91.6	4.2	2.15	51.2	5.2	5.9	113.5
273200	do	Near Sagalla	do	9.1	70	50.5			3.3	4.05	87.5	4.8	3	62.5	5.5	6.5	118.2
257587	do	Nairobi	do	9.1	65.5	48.5			3.35	3.65	91.8	4.8	2.7	56.2	(6.1)		
257544	do	Fort Hall	do	9	65	50.5			3.15	3.65	86.3	4.9	2.6	53.1	5.8		
273203	do	Sagalla	do														
257548	do	Nyeri	do	9.3	69	61.5			3.18	4	79.5	4.7	2.55	54.3	5.6	6.5	116.1
257583	do	Nairobi	Senile Adult	9.6	73.5	52.5			3.5	4	87.5	5.4	2.8	51.8			
273205	do	Near Sagalla	do														
257599	do	Nairobi	do	9.8	61.5	43			3.2	3.75	85.3	4.4	2.9	65.9	5.6	6.4	114.3
257581	do	Near Naivasha	do	9.2	71.5	57			3.08	3.7	86.8	4.7	2.6	55.2	6.3	6.5	103.2
257590	do	Nairobi	do	8.8	71.5	54.5			3.25	3.7	87.8	4.65	2.45	52.7	5.5	6.1	110.9
257578	do	do	do														
257592	do	do	Near adult	8.4	74.5	46.5			3.2	3.6	88.9	4.6	2.7	58.7	5.4	6.5	113
257547	do	do	Adult						3.3	3.7	89.2	4.75	2.7	56.8			
273199	do	Nyeri	do	8.6	70	44			3.35	3.55	94.4	4.65	2.4	51.6			
273198	do	Near Sagalla	do	8.5	70.5	51			3.28	3.68	89.1	4.4	2.55	57.9	5.2	5.6	107.7
257600	do	do	do	8.8	68	52.5			3.35	3.55	94.4	4.25	2.5	58.8	5.3	5.7	107.6
257576	do	Nairobi	Near adult	8.4	67	54.5			3.3	3.5	94.3	4	2.5	62.5	5.2	5.7	109.6
257598	do	do	Adult	8.4	73.5	62			3.33	3.6	92.5	4.75	2.6	54.7	1 4.6	5.9	128.3
257545	do	do	do														
257585	do	Fort Hall	Near adult	8.7	72	52			3.25	3.65	89	4.3	2.5	58.1	5.2	6.3	121.2
257573	do	Nairobi	do	8.3	63.5	46.5			3.25	3.68	88.3	4.5	2.5	55.6	5.5	6.8	123.6
		do	Adult														
Totals				(21) 185	(20) 69.5	(20) 51.5			(22) 72.19	(21) 78.11	(21) 88.3	(22) 101.75	(22) 56.9	(22) 55.9	(18) 97.4	(18) 110.9	(18) 114.6
Averages				8.81					3.28	3.72	88.3	4.62	2.59	55.9	5.41	6.16	114.6
Minima				8	61.5	43			3.08	3.5	79.5	4	2.15	44.7	4.6	5.6	103.2
Maxima				9.8	74.5	62			3.5	4.1	94.4	5.4	3	65.9	6.3	6.8	128.3

NOTE.—For footnotes to reference figures see p. 123

SOUTH AFRICA NEGRO (KAFFIR) CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
^a 263197	U. S. N. M.	Port Alfred, Cape of Good Hope.	Adult	18.8	13	13.6	69.2	85.5	15.13	1,390	11.5	6.7	13.3	86.5	50.4	10.9	10.3
263199	do.	do.	do.	19.6	14.1	13.8	71.9	82.1	15.83	1,515	11.5	6.8	13.3	86.5	51.1	10.6	10.7
263200	do.	do.	do.	19.1	14	13.8	73.9	83.1	15.63	1,495	12	7.2	13.2	90.9	54.6	10.4	10.3
^b 263198	do.	do.	do.	17.9	13.6	13	76	82.3	14.83	1,270	10.8	6.5	12.6	85.7	51.6	10.1	9.5
244053	do.	Zambezi	do.	17.8	13.6	13.8	76.4	87.9	15.07	1,295	89.6	6.5	12.6	78.7	45.9	9.6	9.5
^c 263196	do.	Port Alfred, Cape of Good Hope.	do.	18.1	14.6	12.6	80.7	76.8	15.10	1,450	89.6	5.6	12.2	78.7	45.9	19.4	9.3
Totals				⁽⁶⁾ 111.3	⁽⁶⁾ 82.9	⁽⁶⁾ 80.6	⁽⁶⁾ 74.5	⁽⁶⁾ 83	⁽⁶⁾ 91.59	⁽⁶⁾ 8,415	⁽⁶⁾ 55.4	⁽⁶⁾ 39.3	⁽⁶⁾ 77.2	⁽⁶⁾ 85.7	⁽⁶⁾ 50.9	⁽⁶⁾ 61	⁽⁶⁾ 59.6
Averages				18.55	13.82	13.43	74.5	83	15.26	1,402	11.08	6.55	12.87	85.7	50.9	10.17	9.93

NOTE.—For footnotes to reference figures see p. 123. For footnotes to reference letters see p. 128.

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle.	Alv. Angle	Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b} \times 100\right)$
a 263197	U. S. N. M.	Port Alfred, Cape of Good Hope.	Adult	9.6	67	47.5	3.6	3	4	75	4.75	2.55	53.7	16.1	6.9	113.1
263199	do.	do.	do.	9.6	72.5	48.5	3.4	13.2	3.7	86.5	5.35	2.9	54.2	5.5	6.5	118.2
263200	do.	do.	do.	9.5	69	61	3.8	3.05	3.7	82.4	4.9	2.6	53.1	5.6	5.8	103.6
b 263198	do.	do.	do.	8.7	66	47.5	3.8	3.05	3.7	82.4	4.35	2.8	64.4	15.6	6.3	112.5
244053	do.	Zambezi.	do.	8.8	69.5	56.5	2.75	3.4	3.7	91.9	4.9	2.4	49	5.4	6.1	113
c 263196	do.	Port Alfred, Cape of Good Hope.	do.	8.6	71.5	51		3.1	3.5	88.6	4.3	2.7	62.8	14.9	6	122.4
Totals				(6) 54.8	(6) 69	(6) 52.5	(5) 17.35	(6) 18.8	(6) 22.3	(6) 84.1	(6) 28.55	(6) 15.95	(6) 55.9	(6) 33.1	(6) 37.6	(6) 113.6
Averages				9.13	69	52.5	3.47	3.13	3.72	84.1	4.76	2.66	55.9	5.52	6.27	113.6

a 263196 and 263200 Kaffir convicts.

b Surely male.

c Femalelike, especially lower jaw, but pelvis is male.

WEST AFRICA NEGRO CRANIA

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maximum	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
244052	U. S. N. M.	Gold Coast	Adult	18.2	13.1	13.9	72.7	89.1	15.07	1,345	11.7	6.7	12.7	92.1	52.8	10	10.3
244051	do.	do.	do.	18.3	13.3	13.7	72.7	86.7	15.10	1,390	---	6.7	12.8	---	52.8	10.9	10.5
276091	do.	do.	do.	18.1	13.2	13.1	72.9	84	14.80	1,330	---	6.3	12.1	---	52.1	10.5	10
276348	do.	South Cameroon	do.	18.4	13.7	14.4	74.5	90	15.50	1,420	---	6.5	13.6	---	47.8	11	10.9
244055	do.	Upper Guinea	do.	17.6	13.4	13.2	76.1	85.2	14.73	1,430	---	6.8	12.6	---	54	9.7	9.5
209434	do.	do.	do.	17.9	13.9	13.2	77.6	83	15.00	1,365	---	7	14	---	50	11.3	10.6
302767	do.	French Congo	do.	16.8	13.2	13.6	78.6	90.7	14.53	1,240	---	7	13.6	---	51.2	10.6	10.1
Totals				(7) 125.3	(7) 93.8	(7) 95.1	(7) 74.8	(7) 86.8	(7) 104.73	(7) 9,520		(7) 47	(7) 91.4		(7) 51.4	(7) 74	(7) 71.9
Averages				17.9	13.4	13.58	74.8	86.8	14.96	1,360		6.71	13.06			10.57	10.27

* Height of lower jaw at symphysis = 3.9.

NOTE.—For footnotes to reference figures see p. 123.

WEST AFRICA NEGRO CRANIA—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
244052	U. S. N. M.	Gold Coast	Adult	8.5	73.5	50.5	2.98	3.7	80.5	4.32	2.6	60.2	5.8	6.3	108.6
244051	do	do	do	9.7	69	47	3.4	3.95	86.1	4.95	3	60.6	5.8	7	120.7
276091	do	do	do	9.4	68	54	3.1	4	77.5	4.25	2.8	65.9	5.7	(6)	(105.3)
276348	do	South Cameroon	do	10	72	57.5	3.5	4	87.5	4.35	2.7	62.1	5.1	---	---
244055	do	Upper Guinea	do	8.4	68	52	3	3.6	83.3	4.5	2.7	60	6	6.4	106.7
209434	do	Cameroon	do	10	66	49.5	3.65	3.8	96	4.8	2.9	60.4	5.6	6.8	106.7
302767	do	French Congo	do	9.3	66.5	49.5	3.2	3.85	88.1	4.9	2.7	55.1	---	---	121.4
Totals	---	---	---	(7) 65.3	(7) 69	(7) 51	(7) 22.83	(7) 26.9	(7) 84.9	(7) 32.07	(7) 19.4	(7) 60.5	(6) 34	(6) 26.5	(6) 114.2
Averages	---	---	---	9.38	---	---	3.26	3.84	---	4.58	2.77	---	5.67	6.62	---

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
244057	U. S. N. M.	Guinea	Adult	17.4	11.8	13.2	67.8	90.4	14.13	1,180	---	6.7	12.3	---	54.6	10	9.8
244056	do.	Congo	do.	17.6	13.4	---	76.1	---	---	---	---	---	---	---	---	---	---
276089	do.	do.	do.	16.4	12.5	12.8	76.2	88.9	13.90	1,170	---	7.1	12	---	59.2	9.7	9.3
276090	do.	do.	do.	16.8	13	12.5	77.4	88.9	14.10	1,180	---	15.9	11.7	---	50.4	18.9	9.1
209435	do.	Cameroon	do.	17.6	13.8	---	78.4	---	---	1,380	(a)	6.5	12.7	---	51.2	---	---
276088	do.	do.	do.	17	13.4	12.6	78.8	82.9	14.33	1,160	---	16.6	13.2	---	50	10.3	9.7
276093	do.	do.	do.	15.8	12.8	12.6	81	88.1	13.73	1,020	(b)	6.3	12.1	---	52.1	9.9	9.1
Totals	---	---	---	(7) 118.6	(7) 90.7	(6) 63.7	(7) 76.5	(6) 86.7	(6) 70.19	(6) 7,090	---	(6) 39.1	(6) 74	---	(6) 52.9	(6) 48.8	(2) 47
Averages	---	---	---	16.94	12.96	12.74	76.5	86.7	14.04	1,182	---	6.52	12.88	---	52.9	9.76	9.4

• Height of lower jaw at symphysis about 2.4.

• Height of lower jaw at symphysis = 2.8.

NOTE.—For footnotes to reference figures see p. 123.

WEST AFRICA NEGRO CRANIA—Continued

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Racial Angle	Alv. Angle	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b \times 100}\right)$
244057	U. S. N. M.	Guinea	Adult	8.4	68.5	46	3.1	3.5	88.6	4.4	2.6	59.1	5.5	6.9	125.4
244056	do.	Congo	do	8.5	65	51.5	3.6	3.8	94.7	5	2.4	48	5.5	16	109.1
276089	do.	do	do	8	72.5	51.5	3.1	3.75	82.7	4.4	2.3	52.3	1.5	5.6	112
276090	do.	do	do												
209435	do.	Cameroon	do				3.5	4.1	85.4	4.65	2.5	53.8			
276088	do.	do	do	9.4	66	55.5	3.3	3.65	90.4	4.85	2.6	53.6	1.5.5		
276093	do.	do	do	8.4	64	42.5	3.3	3.6	91.7	4.35	2.7	62.1	5.4		
Totals				(6) 42.7	(5) 67	(5) 49	(6) 19.9	(6) 22.4	(6) 89	(6) 27.65	(6) 15.1	(6) 54.7	(5) 26.9	(3) 18.5	(6)
Averages				8.54			3.32	3.73		4.61	2.52		5.98	6.17	115.8

NOTE.—For footnotes to reference figures see p. 123.

AMERICAN NEGRO CRANIA (FULL-BLOOD) *

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity, in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	$Facial\ Index\ total\left(\frac{a \times 100}{c}\right)$	$Facial\ Index\ upper\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
248635	U. S. N. M.	Washington	Adult	(19.8)	(12.9)	(13.4)	(65.2)	(81.7)	15.37	1,250	---	7.9	12.4	---	63.7	10.7	10.7
225105	do	Richmond	do	19.8	13.3	14.2	67.2	86.5	15.77	1,460	---	17.3	---	---	---	11.4	10.9
244066	do	do	do	(19.1)	(12.9)	(13.4)	(67.5)	(83.8)	15.13	1,335	6 12.2	9 6.8	13	98.8	52.3	10.3	10.3
244079	do	do	50	18.4	12.6	13.8	68.5	89	14.93	1,350	10.7	6.1	12.8	88.6	47.7	9.9	9.9
225107	do	Washington	Senile	18.6	12.9	13.1	69.4	82.9	14.87	1,295	---	---	12.8	---	---	---	10.9
248639	do	do	28	18	(12.8)	---	(71.1)	---	---	---	6 11.4	6.7	12.2	93.4	54.9	10.9	9.7
225226	do	do	70	18.8	13.4	13.4	71.3	83.2	15.20	1,350	7 11.4	6.9	---	---	---	11.1	10.4
244060	do	Richmond	Adult	18.8	13.4	13.4	71.3	83.2	15.20	1,415	---	6.8	13.6	---	50	11.1	10.4
248337	do	Washington	do	19.6	14	12.1	71.4	72	15.23	1,330	---	7.3	13.5	---	54.1	11.1	10.3
244088	do	Richmond	do	18.6	13.4	12.8	72.2	80	14.93	1,165	---	1 6.6	12.9	---	51.2	10.4	10.2
244065	do	do	do	18.7	13.5	12.2	72.2	76.8	14.80	1,200	6 12.7	7.9	13.3	95.5	59.4	10.5	10.4
244074	do	do	45	19.8	14.3	13	72.2	76.5	15.70	1,410	6 12.9	7.8	14	92.1	55.7	11.2	10.5
248674	do	Washington	Adult	18.5	13.4	13.7	72.4	86.6	15.20	1,335	6 11.5	6.8	12.8	89.8	53.1	10.1	10.3
225108	do	do	55	19	13.8	14.1	72.6	86	15.63	1,460	8 12.6	7.3	12.6	100	57.9	10.8	10.6
248646	do	Richmond	Adult	19	13.8	13.9	72.6	84.8	15.57	1,550	---	6.9	13.3	---	51.9	10.5	10.6
324589	do	Washington	35	17.6	12.8	---	72.7	---	---	---	---	6.6	12.4	---	53.2	10.1	9.7
244059	do	Havana, Cuba	Adult	18.4	13.4	13.8	72.8	86.8	15.20	1,465	6 9.5	5.7	12.2	77.9	46.7	10	10.4
248638	do	Richmond	do	19.1	14	13	73.3	78.3	15.37	1,335	---	6.7	13	---	51.5	11.1	10.3
226125	do	Washington	do	18.5	13.6	---	73.5	---	---	---	6 11.9	7	13.8	86.2	50.7	10.5	10.4
225151	do	Richmond	do	19	14	13.2	73.7	80	15.40	1,365	---	6.9	13.8	---	50	10.7	10.3
225151	do	do	45	19	14	13.6	73.7	82.4	15.53	1,525	---	1 6.9	13.2	---	52.3	10.4	10.1
244072	do	Richmond	Adult	17.9	13.2	13.9	73.7	89.1	15.00	1,380	---	---	13.1	---	---	---	9.4
225257	do	Near Vicksburg, Miss.	About 75	18.7	13.9	14.2	74.3	87.1	15.60	1,320	---	7.5	14	---	53.6	10.3	10.5
244085	do	Alabama	Adult	18.5	13.8	12.4	74.6	76.5	14.90	1,200	---	---	13.2	---	---	---	10.9
	do	do	do	18.1	13.5	14.4	74.6	91.1	15.33	1,435	---	7	13	---	53.8	11.1	10.9

NOTE.—For footnotes to reference figures see p. 123. For footnotes to reference letters see p. 134.

AMERICAN NEGRO CRANIA (FULL-BLOOD)—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{b \times 100}{l}\right)$
248635	U. S. N. M.	Washington	Adult	9.3	68.5	49	---	3.5	4	87.5	5.75	2.6	45.2	5.9	6.7	118.6
225105	do	Richmond	do	10.1	67	48	---	3.65	3.95	92.4	5.35	2.4	44.9	16	---	---
244066	do	do	do	9.4	70.5	59.5	3.5	3.25	3.75	86.7	4.7	2.8	59.6	5.2	6.8	130.8
244079	do	do	50	8.9	72	54	3.45	3.18	3.6	88.3	4.3	2.8	65.1	5.2	7.1	136.5
225170	do	Washington	Senile	10.4	---	---	---	3.4	4.1	82.9	4.8	2.9	60.4	---	---	---
248639	do	do	do	9	61.5	31	3.5	2.75	3.7	74.3	4.6	2.6	56.5	6.1	6.8	111.5
225226	do	do	70	9.8	66	49	3.6	3.3	3.8	86.8	4.85	2.7	55.7	6.1	17.2	118
244060	do	Richmond	Adult	9.4	69.5	52.5	3.7	3.3	4	82.5	4.7	2.5	53.2	5.9	---	---
248337	do	Washington	do	9.6	65	49.5	---	3.38	3.8	83.9	5.05	2.8	55.5	16.1	17.2	118
244088	do	Richmond	do	9.4	70	55	---	3.3	4	82.5	4.7	2.7	57.4	---	---	---
244068	do	do	do	8.9	67	47	3.5	3.75	4.1	91.5	5.5	2.9	52.7	5.8	6.9	119
244065	do	do	45	9.8	64	51	4.1	3.45	4.2	82.2	5.35	2.9	54.2	6.2	7.2	116.1
248674	do	Washington	Adult	9.3	72	61.5	3.1	3.15	3.7	85.1	4.8	2.7	56.2	5.6	6.8	121.4
244074	do	do	do	9.5	70	50	13.3	3.2	3.5	91.4	5.2	2.4	46.2	5.6	---	---
225108	do	Richmond	Adult	9	71.5	49	4	3.3	3.95	83.5	4.65	2.5	53.8	5.6	17	125
248646	do	Washington	35	9	67	53	3.3	3.45	3.85	89.6	4.6	2.2	47.8	5.6	5.3	94.7
324589	do	Havana, Cuba	Adult	9.4	78	60.5	2.7	2.9	3.65	79.5	4.4	2.4	54.6	5.2	6	115.4
244059	do	Richmond	do	9.2	65.5	39	---	3.15	4.1	76.8	4.5	2.9	64.4	6.2	16.9	111.3
248638	do	Washington	do	9.3	70	52.5	3.5	3.45	3.9	88.5	4.9	2.3	46.9	5.4	6.7	124.1
226125	do	do	do	9	68.5	40	---	2.95	3.95	74.7	4.9	2.8	57.1	---	---	---
244067	do	Richmond	45	9.2	68	50.5	3.8	3.42	4	85.5	4.95	2.8	56.6	15.7	6.8	119.3
225151	do	do	do	8.8	---	---	3.2	3.55	3.95	89.9	4.6	2.7	58.7	---	---	---
244072	do	Richmond	do	9.6	72.5	66	3.9	3.3	3.9	84.6	5.1	2.8	54.9	5.3	(6.8)	(128.3)
225257	do	Near Vicksburg, Miss.	About 75	9.4	---	---	---	3.2	4.02	79.6	4.6	2.9	63	---	---	---
244085	do	Alabama	Adult	9.9	70	51	---	3.35	3.85	87	5.05	2.8	55.5	6.3	6.7	106.4

* As far as ascertainable. In many the body was seen before dissection.

† Premature occlusion of sagittal suture.

• Shallow retro-coronal bilateral depression.

NOTE.—For footnotes to reference figures see p. 123.

AMERICAN NEGRO CRANIA (FULL-BLOOD OR NEARLY SO)

MALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior max. (glabella ad maximum)	Diam. lateral max.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic max. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
225150	U. S. N. M.	do.	Adult.	18.7	14	13.7	74.9	83.5	15.47	1,335		7.2	13.2		54.6	10.7	10.1
226982	do.	Near Manassas, Va.	do.	18.7	14	13.8	74.9	84.2	15.50	1,395			13				10.3
248627	do.	Washington.	65	18.4	13.8	13.1	75.1	81.4	15.10	1,420	11.7		13	90	56.9	10.5	9.5
244069	do.	do.	Adult.	18.1	13.6	13	75.6	82.3	14.90	1,380		7.4	13.2		50	11	9.6
262227	do.	Richmond.	do.	18	13.6	13.6	75.6	86.1	15.07	1,315		6.6	13.2		52.3	10.5	10.4
224725	do.	Washington.	do.	17.6	13.3	13.7	75.6	89.	14.87	1,330		6.9	(14.5)		(43.4)	11	10.1
244063	do.	Richmond.	60	18.6	14.1	13.2	75.8	80.5	15.30	1,260		6.3	12.8		(54.7)		10.7
244071	do.	do.	Adult.	18.2	13.8	13.2	75.8	82.5	15.07	1,370	12.1	(7)	13.4	90.3	56.7	10.8	10.1
224724	do.	Washington.	do.	18.4	14	12.4	76.1	76.5	14.93	1,455		7.6	13.4			10.8	10.1
244058	do.	Richmond.	do.	18.8	14.3	13	76.1	78.2	15.37	1,420		7.1	12.8		55.6	11.5	10.1
244073	do.	do.	25-30	18.4	14	13.2	76.1	81.5	15.20	1,365		7.6	14		54.3	11.8	11.2
244083	do.	Long Pt., Texas.	Adult.	19.6	15	13.4	76.5	77.5	16.00	1,240		6.5	13.4		48.5	9.8	9.8
222126	do.	Southern United States.	45	18.4	14.2	13.2	77.2	81	15.27	1,275	7.12	7.2	13.8	87	52.2	10.5	10.3
224714	do.	Washington.	Adult.	18.2	14.2	13.3	78	82.1	15.23			6.3	12.5		50.4	11.3	10.1
248643	do.	do.	45														
Totals.				(37) 688.5	(36) 493.9	(34) 454	(35) 73.7	(34) 82.4	(36) 549.47	(35) 47,490	(13) 152.6	(33) 230.1	(35) 472.6	(18) 90	(30) 58.2	(33) 353	(40) 412
Averages.				18.61	13.72	13.25	75.7	82.4	15.25	1,357	11.74	6.97	13.13			10.7	10.3
Minima.				17.6	12.6	12.1	67.2	72	14.80	1,165	9.5	5.7	12.2		46.7	9.8	9.4
Maxima.				19.8	15	14.4	78	91.1	16.00	1,550	12.9	7.9	14	100	63.7	11.8	11.2

NOTE.—For footnotes to reference figures see p. 123. For footnote to reference letter see p. 134.

AMERICAN NEGRO CRANIA (FULL-BLOOD OR NEARLY SO)—Continued

MALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle.	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b} \times 100\right)$
225150	U. S. N. M.	Washington	Adult	9.2	65.5	45.5	3.6	3.1	3.8	81.6	5.05	2.5	49.5	6.1		
248627	do.	do.	65	8.5				3.2	3.95	81	4.7	2.6	55.3			
244069	do.	do.	Adult	8.9	62	44.5	3.8	3.55	3.9	91	5.08	2.9	57.1	6	6.9	115
262227	do.	Richmond	do.	10.2	67	56.5		3.1	3.65	84.9	5	2.6	52	6	7	116.7
224725	do.	Washington	do.	9.4	67.5	53.5		3.2	3.75	85.3	4.9	2.3	46.9	5.8	7.2	124.1
244063	do.	Richmond	60	9.5	70.5	44	3.1	3.4	4.05	83.9	4.4	3	68.2	6		
244071	do.	do.	Adult	9.5			3.8	3.55	3.9	91	5.18	2.7	52.1			
224724	do.	Washington	do.	9.1	64	46	3.6	3.7	3.95	93.7	5.05	2.5	49.5	5.8	6.6	113.8
244058	do.	Richmond	do.	9.2			3.2	3.8	4.15	91.6	5	2.7	54			
244073	do.	do.	25-30	9.7	60.5	44		3.35	3.8	88.1	4.5	2.5	55.6	6.2	6.3	101.6
244083	do.	Long Pt., Texas	Adult	10	66.5	45		3.6	4.2	86.7	5.1	2.9	56.9	6.4	7.5	117.2
222126	do.	Southern United States	45	8.6	70.5	50		3.55	3.8	93.4	4.6	2.6	56.5	5.7	6.5	114
224714	do.	Washington	Adult	8.8	68.5	44	4	3.5	4.2	83.3	4.95	2.9	53.6	5.7	7	122.8
248643	do.	do.	45	10	63	51.5		3.2	3.9	82	4.05	2.5	61.7	6.3	7.3	115.9
Totals				(39) 365.2	(33) 68	(33) 48.5	(23) 81.25	(39) 130.38	(39) 152.82	(89) 85.6	(39) 189.46	(39) 104	(89) 54.9	(31) 181	(25) 170.4	(46) 116.6
Averages				9.56	68	48.5	3.53	3.34	3.9	85.6	4.86	2.67	54.9	5.84	6.82	116.6
Minima				8.5	60.5	31	2.7	2.75	3.5	74.3	4.05	2.2	44.9	5.2	5.3	94.7
Maxima				10.4	78	66	4.1	3.8	4.2	93.7	5.75	2.9	68.2	6.3	7.5	106.5

NOTE.—For footnotes to reference figures see p. 123.

AMERICAN NEGRO CRANIA (FULL-BLOOD)

FEMALE

Catalogue No.	Collection	Locality	Approximate age of subject	Diam. antero-posterior maxim. (glabella ad maximum)	Diam. lateral maxim.	Basion-Bregma height	Cranial Index	Mean Height Index	Cranial Module	Capacity in c. c. (Hrdlička's method)	Menton-Nasion Height (a)	Alveol. Pt.-Nasion Height (b)	Diam. Bizygomatic maxim. (c)	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Basion-Alveol. Pt. (x)	Basion-Nasion (y)
• 244087	U. S. N. M.	Richmond	Adult	(18.6)	(12)	(12.2)	(64.5)	(79.7)	14.27	1,130	10.1	6.6	11.9	---	55.5	10.2	9.8
244064	do	Washington	21	17.1	12.3	13	71.9	88.4	14.13	---	10.1	6	11.9	---	50.4	9.7	9.5
244061	do	do	Adult	18	13	12.8	72.2	82.6	14.60	1,080	---	6.4	12.8	84.9	50	10.4	10.6
244080	do	do	55	17.8	13	12.7	73	82.5	14.50	1,110	---	---	12	---	---	---	10
225104	do	Yorktown, Va	Adult	18.2	13.3	12.1	75.1	76.6	14.53	1,210	---	6.3	---	---	---	9.6	9.2
244089	do	Richmond	do	16.8	12.4	12.5	78.8	85.6	13.90	1,130	---	6.2	11.6	---	58.4	9.2	8.9
244075	do	do	do	18.3	13.5	11.6	73.8	73	14.47	1,170	---	---	12.2	---	---	---	9.8
• 262231	do	do	do	18.2	13.5	12.7	74.2	80.4	14.80	1,270	---	6.4	---	---	---	10.6	10.1
178632	do	Colonial Beach, Va	do	17.9	13.3	12.5	74.3	80.1	14.57	1,220	---	6.8	13.7	---	49.6	9.7	9.6
262230	do	Richmond	do	17.5	13	13.1	74.3	86.2	14.53	1,255	---	---	---	---	---	---	9.4
244081	do	Washington	do	18.3	13.6	12	74.3	75	14.63	1,265	---	6.2	---	---	---	---	9.6
225111	do	do	do	17.2	12.8	12.8	74.4	85.3	14.27	1,220	---	6.1	11.5	---	53	9.2	9.1
225476	do	Washington	Near adult	17.2	12.8	11.8	74.4	78.7	13.93	1,130	---	---	---	---	53	9.2	9.2
262232	do	Richmond	Adult	17.4	13	11.8	74.7	77.6	14.07	1,150	---	---	---	---	---	---	8.7
244070	do	do	do	18	13.5	12	75	76	14.50	1,285	---	6.2	12.2	---	50.8	10	8.7
225236	do	Near Vicksburg, Miss	do	18.2	13.8	11.9	75.8	74.4	14.63	1,365	10.9	6.6	13.5	---	80.7	10.8	9.6
225474	do	Washington	70	18.3	14.2	13.2	77.6	81.5	15.23	1,400	---	---	12.9	---	---	---	9.9
262228	do	Richmond	Adult	16.9	13.3	12.8	78.7	84.8	14.33	1,145	---	6.4	11.7	---	54.7	10	9.8
228025	do	Washington	do	16.3	13	12.6	79.8	86.3	13.97	1,165	---	6.6	12.6	---	52.4	10.1	9.1
262229	do	Richmond	do	16.4	13.5	12.5	79.8	86.3	13.97	1,165	---	---	---	---	---	---	19.6
Totals				(19) 334	(18) 237.3	(17) 236.4	(16) 74.7	(15) 80.7	(14) 273.86	(13) 21,700	(12) 21	(11) 82.8	(10) 183.9	(9) 82.7	(8) 51.9	(7) 128.7	(6) 190.2
Averages				17.58	13.18	12.44	74.41	78.7	14.41	1,205	10.5	6.37	12.26	---	---	9.9	9.51
Minima				16.3	12.3	11.6	71.9	73	13.90	1,080	---	6	11.5	---	48.9	9.2	8.7
Maxima				18.3	14.2	13.2	79.8	88.4	15.23	1,400	---	6.8	13.7	---	55.5	10.8	10.6

• Slight asymmetry.

NOTE.—For footnotes to reference figures see p. 123.

AMERICAN NEGRO CRANIA (FULL-BLOOD)—Continued

FEMALE—Continued

Catalogue No.	Collection	Locality	Approximate age of subject	Basion subnasal Pt.	Facial Angle	Alv. Angle	Lower Jaw, Height of Symphysis	Orbits—Height, mean	Orbits—Breadth, mean	Orbital Index, mean	Nose, Height	Nose, Breadth maxim.	Nasal Index	Palate, external Length (l)	Palate, external Breadth, maxim. (b)	Palatal Index $\left(\frac{l}{b} \times 100\right)$
• 244087	U. S. N. M.	Richmond	Adult	8.8	67.5	46	---	3.4	3.9	87.2	4.6	2.9	63	5.5	6.9	125.4
244064	do	Washington	21	8.6	70	48.5	3.05	3.2	3.75	85.3	4.35	2.45	56.3	5.3	6.3	118.9
244061	do	do	Adult	9.2	74	51.5	---	3.5	3.85	90.9	4.3	2.4	56.8	5.5	6.4	116.4
244080	do	do	55	9.2	74	51.5	---	3.4	3.6	94.4	4.5	3	66.7	---	---	---
225104	do	Yorktown, Va.	Adult	8.6	67	51	---	3.15	3.7	86.1	4.6	2.8	60.9	5.6	---	---
244089	do	Richmond	do	8.1	67	51	---	3.12	3.4	91.8	4.25	2.3	54.1	5.1	5.7	111.8
244075	do	do	do	9.4	67	51	---	3.32	3.85	86.2	3.95	2.7	68.4	---	---	---
• 262231	do	do	do	---	---	---	---	---	---	---	---	---	---	---	---	---
178632	do	Colonial Beach, Va.	do	8.8	69	53.5	---	3.45	4	86.2	5.2	2.8	53.8	5.6	6.4	120.8
262230	do	Richmond	do	---	---	---	---	2 3.2	2 3.6	88.9	---	---	---	---	---	---
244081	do	Washington	do	---	---	---	---	---	---	---	---	---	---	---	---	---
225111	do	Richmond	do	8	69.5	45	3	3.45	3.65	94.5	4.55	2.6	57.2	5.2	6.5	125
225476	do	Washington	Near adult	8.2	70.5	50	---	3.2	3.35	95.5	4.5	2.4	53.3	5	6.3	126
262232	do	Richmond	Adult	---	---	---	---	---	---	---	---	---	---	---	---	---
244070	do	do	do	8	5.95	31	3.5	3.35	3.65	91.8	4.2	2.9	69	6	6.3	105
225236	do	Near Vicksburg, Miss.	do	8.8	61.5	35.5	3.3	3.55	3.8	93.4	4.4	2.5	56.8	5.9	5.9	100
225474	do	Washington	70	8.9	---	---	2.9	3.3	4	82.5	4.5	2.5	55.6	---	---	---
262228	do	Richmond	Adult	8.8	69.5	48.5	---	3.3	3.7	89.2	4.6	2.5	54.4	5.6	6	107.1
228025	do	Washington	do	8.4	62	42	---	3.6	3.9	92.3	4.3	2.1	48.8	5.6	6.6	117.9
262229	do	Richmond	do	---	---	---	---	---	---	---	---	---	---	---	---	---
Totals	---	---	---	(13) 129.7	(12) 67.5	(12) 46.5	(8) 15.75	(16) 53.49	(16) 59.7	(16) 88.6	(15) 66.8	(15) 38.85	(16) 58.2	(13) 71.2	(11) 69.3	(11) 115.5
Averages	---	---	---	8.65	67.5	46.5	3.15	3.34	3.73	89.6	4.45	2.59	58.2	5.48	6.3	115.5
Minima	---	---	---	8	59.5	31	2.9	3.12	3.35	82.5	3.95	2.1	48.8	5	5.7	100
Maxima	---	---	---	9.4	74	53.5	3.5	3.6	4	95.5	5.2	3	69	6	6.9	126

• Badly weathered.

NOTE.—For footnotes to reference figures see p. 123.

Negro crania—Summary of measurements

MALE

	British East Africa	South Africa	West Africa	American Negro (U. S. A.) full-blood
		Miscellaneous (34)	Kaffir (6)	
Number of Skulls.....	(14)			(7)
Vault:				(37)
Length.....	18.36	18.93	18.55	17.90
Breadth.....	13.36	13.54	13.82	13.40
Height.....	13.21	13.47	13.43	13.58
Cranial Index.....	72.8	71.5	74.5	74.8
Mean Height Index.....	83.8	82.9	83	86.8
Module.....	14.97	15.31	15.26	14.96
Capacity.....	1,401	1,400	1,402	1,360
Face:				
m-n Height.....		11.66	11.08	
alv. pt.-n Height.....	7	6.96	6.55	6.71
Breadth.....	12.97	13.34	12.87	13.06
Facial Index:				
Total.....		87.9	85.7	
Upper.....	54.5	52.2	50.9	51.4
Basion-alv. pt. length.....	10.13	10.44	10.17	10.57
Basion-nasion.....	10.08	10.40	9.93	10.27
Basion-subnasal pt.....	8.90	9.37	9.13	9.33
Facial angle (degrees).....	69.5	70.5	69	69
Alveolar angle (degrees).....	51	55.5	52.5	51
Orbits:				
Height.....	3.30	3.32	3.13	3.26
Breadth.....	3.79	3.79	3.72	3.84
Index.....	87.1	87.6	84.1	84.9
Nose:				
Height.....	4.90	4.88	4.76	4.58
Breadth.....	2.70	2.82	2.66	2.77
Index.....	55.1	57.8	55.9	60.5
Dental Arch:				
Length.....	5.73	5.73	5.52	5.67
Breadth.....	6.51	6.70	6.27	6.62
Index.....	111.9	116.9	113.6	114.2
Lower Jaw: Height at Symphysis.....		3.58	3.47	

FEMALE

	(28)	(26)	(7)	(19)
Number of Skulls.....				
Vault:				
Length.....	17.71	17.86	16.94	17.58
Breadth.....	12.98	13.02	12.96	13.18
Height.....	12.49	13.02	12.74	12.44
Cranial Index.....	73.3	72.9	76.5	74.7
Mean Height Index.....	81.5	84.3	86.7	80.7
Module.....	14.38	14.63	14.04	14.41
Capacity.....	1,242	1,245	1,182	1,205
Face:				
m-n height.....				10.50
alv. pt.-n height.....	6.50	6.54	6.52	6.37
Breadth.....	12.46	12.44	12.33	12.26
Facial Index:				
Total.....				82.7
Upper.....	51.7	52.6	52.9	51.9
Basion-alv. pt. length.....	9.93	9.84	9.76	9.90
Basion-nasion.....	9.70	9.76	9.40	9.51
Basion-subnasal pt.....	8.81	8.72	8.54	8.65
Facial angle (degrees).....	69.5	69.5	67	67.5
Alveolar angle (degrees).....	51.5	52	49	46.5
Orbits:				
Height.....	3.28	3.28	3.32	3.34
Breadth.....	3.72	3.62	3.73	3.37
Index.....	88.3	90.6	89	89.6
Nose:				
Height.....	4.62	4.56	4.61	4.45
Breadth.....	2.59	2.71	2.52	2.59
Index.....	55.9	59.4	54.7	58.2
Dental Arch:				
Length.....	5.41	5.57	5.38	5.48
Breadth.....	6.16	6.38	6.17	6.30
Index.....	114.6	114.5	115.8	115.5
Lower Jaw: Height at Symphysis.....		3.13		3.15

¹ Estimated.

NOTES ON THE NEGRO

The above data show two outstanding results. One is the close relation of the negro skulls from widely separated parts of Africa. The second is the practical identity to this day of the American with the African negroes.

All through, the material is characterized by a poor development in the males of the external sex characters of the skull, particularly supraorbital ridges. In many of the specimens the sex identification could only be reached with the help of the skeleton, or with that of the relation of cranial module to cranial capacity.¹

Tendency to premature occlusion of the sagittal suture and consequent cranial deformation, especially scaphocephaly, necessitating the elimination of the specimen from anthropometric work is met with in all the groups, but is much more common in the American than in the African negro.

The west Africans appear to be less dolichocephalic and to have relatively a somewhat higher vault than the other groups; but the series is not large or comprehensive enough to permit of any definite conclusion.

The Afro-Americans differ from the Melanesian blacks in that:

The Afro-American skull is slightly broader, and relatively somewhat lower.

The facial as well as the alveolar protrusion (prognathism) in the Afro-Americans is somewhat more moderate, their nose is somewhat broader, the orbits (male) somewhat narrower.

The dental arch presents a higher index.

The lower jaw tends to be higher.

¹ Amer. Journ. Phys. Anthropol., 1928, vol. 8, p. 249.

Hrdlic

✓

ka,
Ales

✓

,

↑

. 1928. "Catalogue of human crania in the United States National Museum collections: Australians, Tasmanians, South African Bushmen, Hottentots, and Negroes." *Proceedings of the United States National Museum* 71(2696), 1–140.
<https://doi.org/10.5479/si.00963801.71-2696.1>.

View This Item Online: <https://www.biodiversitylibrary.org/item/32439>

DOI: <https://doi.org/10.5479/si.00963801.71-2696.1>

Permalink: <https://www.biodiversitylibrary.org/partpdf/32806>

Holding Institution

Smithsonian Libraries

Sponsored by

Smithsonian

Copyright & Reuse

Copyright Status: NOT_IN_COPYRIGHT

Rights: <https://www.biodiversitylibrary.org/permissions/>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at <https://www.biodiversitylibrary.org>.