

CATALOGUE OF HUMAN CRANIA IN THE UNITED STATES NATIONAL MUSEUM COLLECTIONS.

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The collections of the Division of Physical Anthropology in the United States National Museum, begun, through the instrumentality largely of Dr. W. H. Holmes, 22 years ago by the return or transfer of 2,300 crania from the Army Medical Museum, have now reached such proportions that their complete scientific description will take not merely years but generations. They embrace upward of 10,000 crania and skeletons, besides large quantities of various individual bones, and new accessions are still being received. The material is well identified as to people and locality, all specimens with imperfect information in these respects having been weeded out. The bulk of it is American, both north and south; but there are also fine series from Hawaii, Egypt, and other regions.

It is plain that in the interests of science the principal data on this important material should be placed in the hands of scientific workers as soon as possible. If this can not be in full elaboration, it should be done in some simpler form. What anthropology needs most are ample, dependable data, which may with full confidence be used in investigation.

The simplest, most practicable, least costly way of achieving this is doubtless by means of a catalogue of the essential measurements of the specimens. Catalogues of a similar nature have been published in England (Davis, Flower); in Germany (Collections of the German Museum); in France their place is taken by the monumental *Crania Ethnica* (Quatrefages and Hamy); in Sweden by the *Crania Suecica Antiqua* (Gustaf Retzius); and in Bohemia by the *Crania Bohemica* (Matiegka).

In America we have the less comprehensive *Crania Americana* of Morton, the *Crania Mexicana* of the Mission Scientifique en Mexique, the *Crania Americana* of Rudolf Virchow, and the *Otis Catalogue*; but all of these suffer from small numbers or other serious imperfections. The *Otis Catalogue* especially can not be used,¹ but the crania

¹ See Hrdlička (A.), *Physical Anthropology; Its Scope and Aims; Its History and Present Status in the United States*. Octavo, Philadelphia (Wistar Institute), 1919.

used in its production now form part of the National Museum collections and may be remeasured.

The desirability of publishing a catalogue of the crania in the National Museum has long been felt by the writer, especially during the last few years, when time and again serious errors have been encountered in the writings of foreign authors dealing with American anthropology, obviously due to the fact that these authors lacked sufficient records on American skeletal material. In the course of years, also, there have accumulated many series of measurements for which individually there was and is little chance of publication.

Certain practical difficulties in the way of the undertaking delayed its execution. In the first place it was necessary to consider the cost of the work and the chances of its publication; in the second, a decision had to be made as to the most serviceable form.

In consultation on this subject with Dr. L. Stejneger, head of the publication committee of the Smithsonian Institution, at the beginning of the current year, it was thought best that the measurements, reduced to what would be of the greatest need and help to others, should be published—not as a large and costly volume, the preparation of which would be a work of long duration, but rather in a serial form, printing the separate parts as soon as ready and covering one ethnic group of this continent after another and then the remainder of the collections. It was self-evident that if the catalogue was to be of real utility the measurements should be published in detailed form, for in such a form they best show the individual variation; they can be used in different ways by different students according to their needs; and they may be added to in the future when further collections from the same tribes or regions may become available.

It was some months after this that a strong letter, urging publication of the essential data on our collections, was received by the Secretary of the Smithsonian Institution from Prof. Roland B. Dixon, of Harvard, who, engaged on a book dealing with American anthropology, found great difficulty in obtaining sufficient data on American cranial material. The final result of this and the writer's recommendations was that the preparation and printing of the catalogue in serial form was authorized by the Institution.

The catalogue will be published as parts of the Proceedings of the United States National Museum. Each part will be published and distributed as a separate, and it is expected at least one of these separates will appear each year.

The arrangement of the catalogue will in the main be geographical, beginning with the northernmost parts of North America and proceeding southward, but due attention will be paid to already established groupings. The sex and other important determinations have been made by the writer. The measurements are largely his, partly

made under his direction and supervision by Mr. Paul Van Natta, aid in the division. The measurements were and will be made with well-tested instruments of best standards, with due care, and according to the methods of the international agreements with those described in the writer's *Anthropometry*.²

Only the simplest and most helpful calculations will be admitted. Descriptive notes must be reserved for special studies. Annotation will be restricted to a brief enumeration of the plainest deductions.

It was contemplated at first that the catalogue should contain only measurements of the crania; but the need of furnishing to anthropology reliable data also on the rest of the skeletal material is such that it was decided to include those parts also. The data on the crania, however, will take precedence. For the sake of greater serviceability measurements will, in some instances, be added that were taken by the author on his own and other collections in other institutions, especially the American Museum of Natural History.

Only one word remains to be said and that is that any further utilization of the National Museum collections comprised in the catalogue by well-qualified students is invited and will in every possible way be facilitated.

ALEŠ HRDLIČKA.

JUNE 1, 1923.

² Octavo, Wistar Institute, Philadelphia, 1921.

ESKIMO.

Greenland Eskimo crania.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
242,707			Adult		19.4	12.5	14.6
227,805		Noursoak Peninsula.	do.		19.9	13.3	14.4
225,035			do.		19.2	12.9	13.9
242,721			do.		19.2	12.9	13.8
242,829			do.		19.4	13.1	14.2
242,832			do.		19.4	13.2	13.9
242,734			do.		19.4	13.3	14.4
242,702			do.		19.1	13.2	14.3
242,760			do.		19.3	13.4	13.5
228,268			do.		19.6	13.6	13.6
242,726			do.		19.2	13.4	14.1
242,761			do.		19.8	13.9	14.4
177,992			do.		19.6	13.8	13.8
242,720			do.		19.0	13.4	13.9
242,747			do.		19.0	13.4	12.9
242,710			do.		19.0	13.5	13.5
228,264			do.		20.1	14.3	14.0
242,833			do.		18.9	13.5	14.0
242,715			do.		18.6	13.3	13.4
242,695			do.		18.4	13.2	14.3
242,730			do.	Very slight asymmetry.	18.8	13.5	14.4
242,733			do.		18.9	13.6	14.4
242,744			do.		18.9	13.7	13.7
242,713			do.		18.8	13.8	14.4
228,271			do.		18.7	13.8	13.6
242,687			do.		19.1	14.2	14.5
214,150			do.		18.4	13.7	13.3
242,749					18.7	14.0	14.1
242,688					18.8	14.1	14.2
226,170					18.5	13.9	13.4
242,729					18.9	14.2	13.2
225,148					19.3	14.6	14.5
228,263					18.2	13.8	14.2
242,709					18.7	14.2	13.8
242,697					18.4	14.1	14.0
242,835					19.5		13.6
242,716					19.0		14.0
242,706					19.0		14.0
242,698						13.2	14.1
177,986							
Total....					(38) 724	(36) 489.5	(39) 544.3
Average.					19.05	13.59	13.95

ESKIMO.

Greenland Eskimo crania.

MALE.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose Breadth, maxim.	Nasal Index.
63.9	91.5	15.50	1,470		7.8	13.1		59.5	3.75	4.0	93.8	5.5	2.2	40
66.8	86.7	15.87	1,620	13.6	7.9	14.6	93.2	54.1	3.5	4.0	87.5	5.6	2.2	39.3
67.2	86.6	15.33	1,440		7.6	12.9		58.9	3.7	4.0	92.5	5.2	2.4	46.2
67.2	86	15.30	1,500		6.8				3.9	3.9	100	5.1	2.0	39.2
67.5	87.4	15.57	1,510		7.3	13.5		54.1	3.4	3.9	87.2	4.9	2.2	44.9
68.0	85.3	15.50	1,610		8.5	14.1		60.3	3.8	4.0	95	6.0	2.5	41.7
68.6	88.1	15.70	1,650		7.5				3.7	3.95	93.7	5.5	2.1	38.2
69.1	88.5	15.53	1,610		7.7	13.5		57.0	3.75	3.9	96.2	5.8	2.2	37.9
69.4	82.6	15.30	1,530		7.5	13.6		55.1	3.8	4.0	95	5.4	2.2	40.7
69.4	81.9	15.60	1,610	12.0	7.3	14.8	81.1	49.3	3.55	4.1	86.6	5.2	2.5	48.1
69.8	86.5	15.57	1,660		7.4	13.6		54.4	3.8	4.05	93.8	5.3	2.6	49.1
70.2	85.5	16.03	1,730		8.0	14.9		53.7	3.6	4.05	88.9	5.7	2.4	42.1
70.4	82.6	15.73	1,660		7.3	14.3		51.0	4.0	4.2	95.2	5.7	2.6	45.6
70.5	85.8	15.43	1,570			13.0			3.9	4.0	97.5	5.2		
70.5	79.6	15.10	1,470		7.5	13.1		57.2	3.6	3.9	92.3	5.2	2.0	38.5
71.0	83.1	15.33	1,570		7.1	14.0		50.7	3.55	3.95	89.9	5.1	2.4	47.1
71.1	81.4	16.13	1,685		7.4	14.5		51.0	3.35	4.0	83.8	5.4	2.3	42.6
71.4	86.4	15.47	1,605		8.1	14.0		57.9	4.0	4.07	98.3	5.2	2.15	41.3
71.5	84.0	15.10	1,430		7.4	13.8		53.6	3.62	3.95	91.6	5.1	2.1	41.2
71.7	90.5	15.63	1,470		6.8	13.7		49.6	3.8	4.0	95	5.0	2.1	42
71.8	89.2	15.57	1,540		7.6	14.1		53.9	3.85	4.05	95.1	5.6	2.3	41.1
72	88.6	15.63	1,510		7.5	14.7		51.0	3.6	3.95	91.2	5.3	2.3	43.4
72.5	84.0	15.43	1,630		7.7	14.2		54.2	3.3	40.5	81.5	5.1	2.4	47.1
73.4	88.3	15.67	1,550											
73.8	83.7	15.37	1,490		7.7	14.5		53.1	3.6	4.2	85.7	5.4	2.5	46.3
74.4	87.1	15.93			7.2				3.8	4.1	92.7	5.5	2.5	45.4
74.5	82.9	15.13	1,490			13.6						5.0		
74.9	86.2	15.60	1,560		7.2	14.6		49.6	3.9	4.1	95.1	5.1	2.2	43.1
75	86.3	15.70	1,725		7.3	13.8		52.9	3.7	4.0	92.5	5.2	2.3	41.5
75.1	82.7	15.27	1,430		7.3	14.0		52.1	3.4	4.1	82.9	5.3	2.2	44.5
75.5	80	15.60	1,490						3.75	4.05	92.6	5.8	2.2	37.9
75.6	85.5	16.13	1,635		8.1	14.6		53.5	3.95	4.05	97.5	5.9	2.1	35.6
75.8	83.8	15.40	1,475		6.7				3.4	4.1	82.9	5.2	2.3	44.2
75.9	83.9	15.57	1,500	11.1	6.9	14.5	76.6	47.6	3.5	4.0	87.5	5.0	2.6	52
76.6	86.2	15.50	1,610	12.0	7.2	15.0	80	48	3.5	3.8	92.9	5.3	2.2	41.5
					7.2				3.5	3.8	92.1	5.3	2.4	45.3
					7.8				3.55	3.95	89.9	5.3		
					7.2				3.6	4.1	87.8	5.4	2.6	48.2
					7.7	13.6		56.6	3.8	3.85	98.7	5.5	2.2	40
					6.8				3.8	3.85	98.7	4.9	2.3	46.9
(35)	(35)	(35)	(34)	(4)	(36)	(30)	(4)	(28)	(38)	(38)	(38)	(39)	(36)	(36)
71.5	85.5	15.54	53,035 1,590	48.7 12.18	268 7.4	420.2 14	82.7	53.6	139.97 3.68	152.42 4.01	91.8	208.2 5.33	82.75 2.29	43.9

Greenland Eskimo crania—Continued.

FEMALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
242,711			Adult		19.0	12.8	12.9
225,036			.do.		17.7	12.2	13.2
242,691			.do.		17.9	12.4	12.9
242,714			.do.		18.4	12.8	12.8
242,700			.do.		18.4	12.8	14.0
242,693					18.1	12.6	13.2
242,717					17.8	12.4	12.5
225,034					18.2	12.7	13.4
242,735					18.2	12.7	12.9
177,993					18.6	13.0	13.0
228,272					18.3	12.8	13.1
242,740					18.3	12.9	13.0
242,736					19.2	13.6	13.4
242,757					18.2	12.9	13.4
242,704					17.9	12.7	12.9
228,266					18.0	12.8	13.1
242,725					18.0	12.8	12.9
242,739					17.7	12.6	13.4
242,759					18.4	13.1	13.0
225,147					17.0	12.1	13.2
242,737					17.8	12.7	12.6
242,694					18.0	12.9	13.7
242,745					17.9	12.9	13.2
242,724					18.0	13.0	13.1
242,743					18.8	13.6	13.6
242,689					17.8	12.9	12.4
242,746					17.6	12.9	12.5
242,708					18.0	13.2	13.1
177,996					18.4	13.5	14.0
225,037					18.2	13.4	12.6
228,270					17.6	13.0	13.0
242,738					17.5	13.0	13.2
228,265					18.2	13.8	13.4
242,748					17.6	13.4	14.0
242,712					17.2	13.2	13.0
242,718					17.8	13.7	12.8
213,620					17.8	14.0	13.8
177,985					17.9	.....	13.0
177,988					17.8	.....	13.6
177,990					17.9	.....	13.4
177,991					17.8	.....	13.4
177,994					17.1	.....	13.0
242,699					18.0	.....	12.9
242,741					17.9	.....	12.9
Total...					(44) 791.9	(37) 479.8	(44) 578.4
Average.					17.99	12.96	13.1

Greenland Eskimo crania—Continued.

FEMALE.

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 $\left(\frac{a \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose Breadth, maxim.	Nasal Index.
67.4	81.1	14.90	1,470	.....	7.0	13.0	.....	58.8	3.9	4.0	97.5	5.3	2.3	48.4
68.9	88.6	14.37	1,285	.....	.....	12.6	.....	.....	3.25	3.6	90.3	5.2	2.4	46.2
69.3	85.1	14.40	1,180	.....	.....	13.1	.....	.....	3.6	3.95	91.2	5.0	2.7	54
69.6	82.0	14.67	1,400	.....	7.1	13.0	.....	54.6	3.6	3.95	91.2	5.0	2.1	42
69.6	89.7	15.07	1,400	.....	.....	13.4	.....	.....	3.7	4.2	88.1	.....	1.9	.....
69.6	86	14.63	1,330	.....	6.9	12.1	.....	57.0	3.5	3.65	95.9	4.9	2.3	46.9
69.7	82.8	14.23	1,240	.....	6.5	12.2	.....	53.3	3.75	4.1	91.6	4.7	2.2	46.8
69.8	86.7	14.77	1,240	.....	6.4	12.7	.....	60.4	3.15	4.0	78.8	4.7	2.2	46.8
69.8	83.5	14.60	1,220	.....	.....	.....	.....	.....	3.3	3.55	93	5.1	2.2	43.1
69.9	82.3	14.87	1,360	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70	84.2	14.73	1,310	.....	6.4	.....	.....	.....	3.55	3.9	91	4.6	2.2	47.8
70.5	83.3	14.73	1,330	.....	.....	12.9	.....	.....	3.8	4.0	95	5.1	2.4	47.1
70.8	81.7	15.40	1,530	.....	7.0	13.1	.....	53.4	3.75	4.0	93.8	5.2	1.9	36.5
70.9	86.2	14.83	1,430	.....	6.0	12.6	.....	47.6	3.5	3.9	89.7	4.7	2.0	42.6
71	84.3	14.50	.....	.....	7.1	.....	.....	.....	3.6	3.95	91.2	5.0	2.4	48
71.1	85.1	14.63	1,390	.....	.....	12.9	.....	.....	4.0	4.0	100	4.9	2.0	40.8
71.1	83.8	14.57	1,300	.....	6.7	12.8	.....	53.1	3.35	3.85	87.0	4.9	2.1	42.9
71.2	88.4	14.57	1,390	.....	7.2	12.5	.....	57.6	3.7	3.8	97.4	5.3	1.9	35.8
71.2	82.5	14.83	1,420	.....	7.5	12.4	.....	60.5	3.5	3.6	97.2	5.1	2.2	43.1
71.2	90.7	14.10	1,180	10.7	6.6	13.5	79.3	48.9	3.3	3.85	85.7	4.8	1.9	39.6
71.4	82.6	14.37	.....	.....	.....	13.1	.....	.....	3.5	3.85	90.9	4.9	2.1	42.9
71.7	88.7	14.87	1,380	.....	6.4	12.7	.....	50.4	3.5	3.9	89.7	4.5	2.0	44.4
72.1	85.7	14.67	1,420	.....	7.2	12.7	.....	56.7	3.8	3.9	97.4	5.4	2.1	38.9
72.2	84.5	14.70	1,320	.....	6.6	13.2	.....	50	3.2	3.8	84.2	4.8	2.2	45.8
72.3	84	15.33	1,510	.....	7.2	13.2	.....	54.6	3.9	3.9	100	5.0	1.9	38
72.5	80.8	14.33	1,290	.....	7.1	13.1	.....	54.2	3.65	3.9	93.6	5.2	2.2	42.3
73.5	82	14.33	1,280	.....	.....	12.9	.....	.....	3.4	3.9	87.2	5.0	2.0	40
73.5	84.5	14.70	1,390	.....	7.3	.....	.....	.....	3.6	3.95	91.2	5.0	2.2	44
73.4	87.8	15.30	.....	12.1	7.3	13.6	89	53.7	3.85	4.0	96.2	.....	.....	.....
73.6	79.8	14.73	1,330	.....	7.1	12.8	.....	55.5	3.45	3.85	89.6	5.2	2.4	46.2
73.9	85	14.53	1,170	.....	6.6	12.4	.....	53.2	3.5	3.75	93.4	5.0	1.9	38
74.3	86.6	14.57	1,370	.....	6.6	12.7	.....	52	3.5	3.7	94.6	5.1	2.4	47.1
75.8	83.8	15.13	1,490	.....	7.2	13.4	.....	53.7	3.6	3.9	92.3	5.2	2.1	40.4
76.1	90.3	15.00	1,370	.....	.....	.....	.....	.....	3.7	3.95	93.7	5.1	2.2	43.1
76.7	85.5	14.47	1,270	.....	6.9	.....	.....	.....	3.45	3.75	92.0	.....	.....	.....
77	81.3	14.77	1,385	.....	7.5	.....	.....	.....	3.5	3.9	89.7	5.1	2.1	41.2
78.6	88.5	15.20	1,400	11.2	7.0	13.8	81.2	50.7	3.5	4.0	87.5	5.2	2.4	46.2
.....	.....	.....	.....	.....	6.6	.....	.....	.....	3.5	3.9	89.7	4.7	2.1	44.7
.....	.....	.....	.....	.....	7.3	.....	.....	.....	.....	.....	.....	5.1	2.0	39.2
.....	.....	.....	.....	.....	7.0	.....	.....	.....	3.5	3.9	89.7	4.9	1.9	38.8
.....	.....	.....	.....	.....	6.5	.....	.....	.....	3.4	3.8	89.5	5.0	2.2	44
.....	.....	.....	.....	.....	6.7	.....	.....	.....	3.55	4.08	87.0	5.2	2.2	42.3
.....	.....	.....	.....	.....	6.6	.....	.....	.....	3.8	3.9	97.4	5.1	2.2	43.1
.....	.....	.....	.....	.....	7.1	.....	.....	.....	3.45	3.7	93.2	5.0	2.2	44
(37)	(37)	(37)	(34)	(3)	(34)	(29)	(3)	(22)	(42)	(42)	(42)	(40)	(41)	(40)
71.9	84.8	14.71	1,347	11.33	6.88	12.9	83.1	53.8	3.66	3.88	91.8	5	2.15	43.2

Northeastern Eskimo crania.¹

MALE.

Catalogue No. (A. M. N. II.)	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
99-108.....	Capt. Peary.....	Smith Sound.....	Adult.....	.....	19.3	14.1	14.2
'9.....	do.....	do.....	do.....	.....	19.4	14.5	14.2
'11.....	do.....	do.....	do.....	.....	19	14.3	14
'3610.....	Capt. Peary (N. Y.).....	do.....	do.....	.....	19.1	14.4	13.6
'110.....	Capt. Peary.....	do.....	do.....	.....	18.5	14.1	13.8
'5.....	do.....	do.....	do.....	.....	19.1	14.8	14.6
'3607.....	Capt. Peary (N. Y.).....	do.....	do.....	.....	18.3	14.4	14
Total....	.....	.....	.....	.....	(7) 132.7	(7) 100.6	(7) 98.4
Average.....	.....	.....	.....	.....	18.96	14.37	14.06

FEMALE.

99-106.....	Capt. Peary.....	Smith Sound.....	Adult.....	.....	18.4	13.8	13.9
'3608.....	do.....	do.....	do.....	.....	17.6	13.8	13.4

¹ See author's Contribution to the Anthropology of the Central and Smith Sound Eskimo, *Anthrop. Papers, Amer. Mus. Nat. Hist., N. Y., 1910, vol. 5, pt. 2.*

Baffin Land Eskimo crania.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
242,751.....	Var.....	Cumberland Gulf..	Adult.....	.....	19.1	13.5	14.5
'834.....	do.....	do.....	.....	17.9	13.2	13.5
'830.....	do.....	do.....	.....	18.6	14	13.2
'792.....	do.....	do.....	.....	18.2	13.8	14
Total....	(4) 73.8	(4) 54.5	(4) 55.2
Average.....	18.45	13.62	13.8

FEMALE.

242,765.....	Var.....	Cumberland Gulf..	Adult.....	.....	18	12.4	12.9
'696.....	.....	do.....	do.....	.....	18.5	13.2	13.4
'731.....	.....	do.....	do.....	.....	18.4	13.5	13
'705.....	.....	do.....	do.....	.....	18.6	13.8	13.8
'703.....	.....	do.....	do.....	.....	18.7	.....	13.5
Total....	.....	.....	.....	.....	(5) 92.2	(4) 52.9	(5) 66.6
Average.....	.....	.....	.....	.....	18.44	13.22	13.32

Northeastern Eskimo crania.

MALE.

Cranial Index.	Mean Height Index.	Cranial Module.	Capacity, in c. c. (Hrdlička's method).	Menton-Nasion Height (a).	Alveol. Pt.-Nasion Height (b).	Diam. Bitygomatic maxim. (c).	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose Breadth, maxim.	Nasal Index.
73.1	85	15.90	1,545	11.9	7.8	14.2	83.8	54.9	3.75	4.05	92.4	5.6	2.35	42
74.7	83.8	16.03	.....	12.9	8.3	15.2	84.9	54.6	3.5	4.22	82.9	6.1	2.3	37.7
75.3	84.1	15.77	1,590	11.7	7.2	15	78	48	3.3	4.18	79	5.8	2.4	41.4
75.4	81.2	15.70	1,600	12.1	7.4	14	86.4	52.9	3.37	3.85	86.5	5.6	2.1	37.5
76.2	84.6	15.47	1,445	.....	7.7	14.5	.....	53.1	3.57	4.1	87.2	5.7	2.2	38.6
77.5	86.1	16.17	1,645	12.3	7.8	15.8	77.8	49.4	3.78	4.28	87.2	5.95	2.45	41.2
78.7	85.6	15.60	1,570	11.9	7.3	14.1	85	51.8	3.5	4.12	84.8	5.4	2.15	39.8
(7)	(7)	(7)	(6)	(6)	(7)	(7)	(6)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
75.8	84.4	15.81	1,566	12.13	7.64	14.7	82.4	52	3.54	4.11	86.7	5.73	2.27	39.7

FEMALE.

75	86.3	15.37	1,510	11.2	6.9	13.4	83.6	51.5	3.65	4.07	89.5	5.5	2.3	41.8
78.4	85.4	14.90	.....	11.2	6.7	13	86.1	51.5	3.38	3.85	86.5	5.1	2.35	46.1

* Orbits: Height, r. 3.7, l. 3.75; breadth, r. 4.4, l. 4.15; O. I., r. 84.1, l. 90.4. Nothing pathological.

Baffin Land Eskimo crania.

MALE.

Cranial Index.	Mean Height Index.	Cranial Module.	Capacity, in c. c. (Hrdlička's method).	Menton-Nasion Height (a).	Alveol. Pt.-Nasion Height (b).	Diam. Bitygomatic maxim. (c).	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose Breadth, maxim.	Nasal Index.
70.7	89	15.70	1,620	.....	7.4	14.3	.....	51.8	3.7	3.9	94.9	5.4	2.1	38.9
73.7	86.8	14.87	1,380	12.5	7.6	14.1	88.6	53.9	3.4	4	85	5.3	2.5	47.2
75.3	81	15.27	1,360	11.8	7.4	13.2	89.4	56.1	3.4	3.8	89.5	4.9	2.1	42.9
75.8	87.5	15.33	1,570	11.3	7	14.2	79.6	49.3	3.5	3.8	92.1	5.3	2	37.7
(4)	(3)	(4)	(4)	(3)	(4)	(4)	(3)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
73.8	86	15.29	1,482	11.9	7.55	13.95	85.2	52.7	3.5	3.87	90.3	5.22	2.17	41.6

FEMALE.

68.9	84.9	14.43	1,355	.....	6.2	12.7	.....	48.8	3.6	4	90	4.8	2.3	47.9
71.4	84.5	15.03	1,415	11.5	7	13.1	87.8	53.4	3.5	4	87.5	5.1	2.1	41.2
73.1	82	14.97	1,420	11.1	7	12.8	86.7	54.7	3.3	3.6	91.7	5	2.1	42
74.2	85.2	15.40	1,420	.....	7.2	13.6	.....	52.9	3.4	3.9	87.2	5.3	2.3	43.4
(4)	(4)	(4)	(4)	(2)	(5)	(4)	(2)	(4)	(5)	(5)	(5)	(5)	(5)	(5)
72	84	14.96	1,403	11.3	6.8	13.05	87.3	52.5	3.5	3.9	89.7	5.06	2.22	43.9

"Central" Eskimo crania.¹

MALE.

Catalogue No. (A. M. N. H.)	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
99-4661.....	Capt. Geo. Comer.	Southampton Island.	Adult.....		20.4	14	13.5
'2.....	do.....	do.....	do.....		19.1	13.9	14.5
'4102.....	do.....	do.....	do.....		18.9	13.8	13.4
'4654.....	do.....	do.....	do.....		19.3	14.1	14.3
'3.....	do.....	do.....	do.....		18.6	13.9	13.9
'9.....	do.....	do.....	do.....		19	14.2	14
'2.....	do.....	do.....	do.....		18.3	14	14.5
'4104.....	do.....	do.....	do.....		18.7	14.4	14.1
"Z".....	do.....	do.....	do.....		17.9	14	13.9
"X".....	do.....	Lyon Inlet, Melville Peninsula.	do.....		19.6	13.7	13.6
Total....					(10) 189.8	(10) 140.0	(10) 139.7
Average.....					18.98	14	13.97

¹ See author's Contribution to the Anthropology of the Central and Smith Sound Eskimo, *Anthrop. Papers, Amer. Mus. Nat. Hist.*, New York, 1910, vol. 5, pt. 2, pp. 177-280, 15 pls.

FEMALE.

99-4656.....	Capt. Geo. Comer.	Southampton Island.	Adult.....		18.3	13.4	13.8
'60.....	do.....	do.....	do.....		18.6	13.7	13.8
'4107.....	do.....	do.....	do.....		19	14.2	13.5
"Y".....	do.....	do.....	do.....		18.1	13.8	13.9
'4655.....	do.....	do.....	do.....		17.4	13.4	13.1
'4103.....	do.....	Frozen Straits, Southampton Island.	do.....		17.6	13.7	14.05
Total....					(6) 109	(6) 82.2	(6) 82.15
Average.....					18.17	13.7	13.69

Alaska Eskimo crania.

MALE.

NORTH COAST.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
242,933.....	Miscellaneous...	Point Barrow.....	Adult.....		18.9	13.4	13.9
'28.....	do.....	do.....	do.....		17.8	12.9	13.6
'31.....	do.....	do.....	do.....		18.4	13.6	13.1
'5.....	do.....	do.....	do.....		18.5	14	13.8
'27.....	do.....	do.....	do.....		18.4	14.5	13.2
Total....					(5) 92	(5) 68.4	(5) 67.6
Average.....					18.4	13.68	13.52

"Central" Eskimo crania.

MALE.

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 maximm. (c).	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose Breadth, maxim.	Nasal Index.
68.6	78.5	16	1,775	12.6	7.5	14.7	85.7	51	3.5	4.17	83.9	5.6	2.55	45.5
72.8	87.9	15.80	1,540	13.2	7.9	14.8	89.2	53.4	3.55	4.08	87.1	5.6	2.5	44.6
73.0	82	15.33	1,410	12.4	7.6	14.5	85.5	52.4	3.47	4.1	84.8	5.35	2.2	41.1
73.1	85.6	15.90	1,725	(?)	7.8	14.3	.....	54.5	3.68	4.18	86.6	5.3	2.4	45.3
74.7	85.5	15.50	1,583	(?)	7.6	14.7	.....	51.7	3.7	4	92.5	5.3	2.15	40.6
74.7	84.3	15.70	1,600	12.8	7.8	14.2	91.1	54.9	3.55	4.05	87.7	5.2	2.2	42.3
76.5	89.8	15.60	1,455	(?)	7.7	14.4	.....	53.5	3.6	3.9	92.3	5.4	2.35	43.5
77	85.2	15.73	1,485	12.6	7.7	14.5	86.9	53.9	4.2	4.28	93.2	5.55	2.15	38.7
78.2	87.1	15.27	1,495	12.2	7.4	14.2	85.9	52.1	3.77	3.82	98.4	5.6	2.2	39.3
70	81.7	15.63	.....	12.8	8	.....	.....	.....	3.9	4.3	90.7	5.4	2.45	45
(10)	(10)	(10)	(9)	(7)	(10)	(9)	(6)	(9)	(10)	(10)	(10)	(10)	(10)	(10)
73.8	84.7	15.65	1,068 1,563	88.6 12.66	7.7	130.3 14.48	87.2	53	36,925 3.69	40,875 4.09	90.3	5.43	2.31	42.6

FEMALE.

73.2	87.1	15.18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
73.7	85.4	15.36	1,515	12.3	7.6	14	87.9	54.3	3.57	4.12	85.5	5.2	2.3	44.2	
74.7	81.3	15.57	1,580	.....	7.4	13.5	.....	54.8	3.8	4.28	89	5.2	2.15	41.3
75.7	84.5	15.28	1,450	11.7	7.3	13.5	86.7	54.1	3.85	3.7	(109)	5.3	2.2	41.6	
77	82.4	14.60	1,290	.....	6.6	14.3	.....	46.1	3.5	3.92	89.1	4.75	2.3	48.4
77.8	89.8	15.12	1,380	11	6.8	13.8	79.7	49.3	3.47	4.2	82.7	4.85	2.1	43.3	
(6)	(6)	(6)	(5)	(3)	(5)	(5)	(3)	(5)	(5)	(5)	(4)	(5)	(5)	(5)	
75.4	85.9	15.18	91.11 1,443	7,215 11.7	35	35.7 7.14	69.1 13.82	84.8	51.7	13.2 3.64	20,225 4.05	86.6	5.06	2.21	43.7

Alaska Eskimo crania.

MALE.

NORTH COAST.

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 maximm. (c).	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose Breadth, maxim.	Nasal Index.
70.4	86.1	15.03	1,385	.....	8	14.5	.....	55.2	3.4	4.2	81	5.8	2.5	47.1
72.5	88.4	14.77	1,250	12.6	7.8	14.2	88.7	54.9	3.8	4.1	92.7	5.7	2.4	42.1
73.4	81.9	15.03	1,300	.....	6.9	14.6	.....	47.3	3.7	4.1	90.2	5.5	2.4	43.6
75.7	84.9	15.43	1,505	.....	7.7	.....	.....	.....	3.9	3.9	92.8	5.5	1.9	34.9
78.6	80.2	15.33	1,540	.....	8.3	14.2	.....	58.4	3.8	4.3	88.4	6.1	2.1	31.4
(5)	(5)	(5)	(5)	(1)	(5)	(4)	(1)	(4)	(5)	(5)	(5)	(5)	(5)	(5)
74.3	84.3	15.20	6,880 1,376	12.6	38.7 7.74	57.5 14.4	.....	53.9	18.3 3.66	23.6 4.12	83.8	28.6 5.72	11.3 2.29	41.6

Alaska Eskimo crania—Continued.

MALE—Continued.

KOTZEBUE SOUND.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
242,947		Point Hope	Adult		17.8	13.4	13.9
'888		do.	do.		18.3	13.8	14.4
'786		Kotzebue Sound	do.		17.6	13.5	13.7
'895		Point Hope	do.		17.9	13.8	13.9
300,216		Kobuk River	do.		17.4	13.6	13.6
242,923		Point Hope	do.	Slight asymmetry.	18.2	14.4	14
Total					(6) 107.2	(6) 82.5	(6) 83.5
Average					17.87	13.75	13.92

NORTON SOUND.

248,578		Fort St. Michael	Adult		18.2	13.5	13.9
242,764		do.	do.		18.3	13.6	14
228,285		do.	do.		18.9	14.2	14.8
242,785		do.	do.		18.6	14.1	14.6
248,577		do.	do.		18.1	14.1	13.7
242,814		do.	do.		17.8	14	12.7
'876		do.	do.		18	14.2	13.8
Total					(7) 127.9	(7) 97.7	(7) 97.5
Average					18.27	13.96	13.98

MISCELLANEOUS.

243,993	U. S. N. M.	"Alaska"	Adult		18.8	13.7	13.8
242,750		Bering Sea Islands	do.		18.5	13.7	14.3
'2		Nunivak Island	do.		18.4	13.7	13.5
'828		"Alaska"	do.		18.8	14.2	13.8
225,039		Prince William Sound	do.		18.2	13.8	12.9
242,756		Bering Sea Islands	do.		18.3	14.1	13
255,603		Sitkalidak Island	do.		18.6	14.4	14
228,795		S. E. Alaska	do.		19.1	15	13.9
317,053		Port Moller	do.		17.9	14.2	13.7
Total					(9) 166.6	(9) 126.8	(9) 122.9
Average					18.61	14.09	13.66

FEMALE.

NORTH COAST.

242,898	Miscellaneous	Point Barrow	Adult		18.1	13.6	12.9
'934		do.	do.		17.9	13.5	12.6
'896		do.	do.		17.2	13.1	12.2
Total					(3) 53.2	(3) 40.2	(3) 37.7
Average					17.73	13.4	12.67

Alaska Eskimo crania—Continued.

MALE—Continued.

KOTZEBUE SOUND.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, height.	Nose Breadth, maxim.	Nasal Index.
75.3	89.1	15.03	1,375	13	7.6	13.8	94.2	55.1	3.6	3.9	92.5	5.5	2.4	43.6
75.4	89.7	15.50	1,575	.....	8.1	14.1	.....	57.4	3.8	4.2	90.5	5.9	2	33.9
76.7	88.1	14.93	1,385	.....	7.3	14.3	.....	51	3.6	4	90	5.2	2.3	44.2
77.1	87.7	15.20	1,535	.....	7	14.7	.....	51.9	3.7	4	92.5	5.5	2.3	41.8
78.2	87.7	14.87	1,300	11.8	7	13.3	.....	88.7	3.4	3.8	89.5	4.9	2.6	53.1
79.1	85.9	15.53	1,630	.....	7.2	15.2	.....	47.4	3.7	4.1	90.2	5.3	2.2	41.5
(6)	(6)	(6)	(6)	(2)	(5)	(6)	(2)	(5)	(6)	(6)	(6)	(6)	(6)	(6)
77	88	15.18	8,800	24.8	37.2	85.4	92.2	52.6	21.8	24	90.5	32.3	13.8	.....
77	88	15.18	1,467	12.4	7.44	14.28	.....	52.6	3.63	4	90.5	5.4	2.3	42.4

NORTON SOUND.

74.2	87.7	15.20	1,440	12.7	7.9	14.2	89.4	55.6	3.9	3.9	100	5.4	2.2	40.7
74.9	87.8	15.30	1,520	.....	7	13.8	.....	50.7	3.7	4.1	90.2	5.5	2.2	40
75.1	89.4	15.97	.....	14	8.3	14.3	97.9	58	3.8	4	95	5.8	2.4	41.4
75.8	89.3	15.77	1,665	.....	7.8	13.6	.....	57.4	.....	.....	.....	5.5	2.3	41.8
77.9	85.1	15.30	1,440	13.2	7.9	13.8	95.6	57.2	3.7	3.9	94.9	5.4	2.2	40.7
78.6	79.9	14.83	1,400	12.2	7.6	13.8	88.4	55.1	3.7	4	92.5	5.4	2.2	40.7
78.9	86.7	15.33	1,570	.....	.....	14.3	.....	.....	3.9	4.2	92.9	5.8	2.2	37.9
(7)	(7)	(7)	(6)	(4)	(6)	(7)	(4)	(6)	(6)	(6)	(6)	(7)	(7)	(7)
76.4	86.4	15.39	9,083	52.1	46.5	97.8	.....	55.7	22.7	24.1	94.2	38.8	15.7	.....
76.4	86.4	15.39	1,506	13.02	7.75	13.97	92.9	55.7	3.8	4.02	94.2	5.54	2.24	40.5

MISCELLANEOUS.

72.9	88.4	15.43	.....	.....	7.4	.....	.....	.....	3.4	3.8	89.5	5.3	2.3	45.4
74	88.8	15.50	1,540	.....	7.9	13.4	.....	59	3.85	4.05	95	5.4	2.6	48.2
74.5	84.1	15.20	1,470	.....	7.7	13.8	.....	55.8	3.7	4.3	86	5.3	2.4	45.3
75.5	85.6	15.60	1,590	.....	6.8	14.4	.....	47.2	3.55	3.9	91	5.3	2.1	39.6
75.8	80.6	14.97	1,435	.....	7.4	13.4	.....	55.2	3.5	4	87.5	4.9	2.4	49
77	80	15.13	1,370	.....	7	14.1	.....	49.6	3.4	3.7	91.9	5	2.4	48
77.4	84.8	15.67	1,520	.....	7.2	.....	.....	.....	3.6	4.1	87.8	5.2	2.5	48.1
78.5	81.5	16	1,590	.....	7	14.6	.....	47.9	3.4	4.1	82.9	5	2.7	54
79.5	85.4	15.27	1,430	.....	.....	14.1	.....	.....	3.7	4	92.5	5.4	2.4	44.4
(9)	(9)	(9)	(8)	.....	(8)	(7)	.....	(6)	(9)	(9)	(9)	(9)	(9)	(9)
76.1	85.8	15.42	11,945	.....	58.4	97.8	.....	52.3	32.1	35.95	89.3	46.8	21.8	.....
76.1	85.8	15.42	1,493	.....	7.9	13.97	.....	52.3	3.67	4	89.3	5.2	2.42	46.6

FEMALE.

NORTH COAST.

75.1	81.4	14.87	1,305	.....	7.3	13.2	.....	55.3	3.5	4	87.5	5.3	2.3	45.4
75.4	80.2	14.67	1,375	.....	7	12.8	.....	54.7	3.7	3.9	94.9	5.1	2.2	45.1
76.2	80.5	14.17	1,160	.....	6.9	12.2	.....	56.6	3.3	3.8	86.8	5	2	40
(8)	(8)	(3)	(3)	.....	(3)	(3)	.....	(5)	(3)	(3)	(8)	(3)	(3)	(5)
75.5	80.7	14.57	3,840	.....	21.2	38.2	.....	55.5	10.5	11.7	89.7	15.4	6.5	.....
75.5	80.7	14.57	1,280	.....	7.1	12.7	.....	55.5	3.5	3.9	89.7	5.13	2.17	42.2

Alaska Eskimo crania—Continued.

FEMALE—Continued.

NORTON SOUND.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maximi. (glabella ad maximum).	Diam. lateral maximi.	Basion-bregma height.
225,030.....	Miscellaneous...	Fort St. Michael...	Adult.....		17.9	13.2	13.8
242,781.....		Norton Sound.....	do.....		18.3	13.5	13.8
.....		do.....	do.....		17.6	13	12.9
.....		do.....	do.....		17.3	13.2	12.6
255,602.....		Fort St. Michael.....	do.....		18.1	13.9	13.4
Total.....					(5)	(5)	(5)
Average.....					17.84	13.36	13.3

MISCELLANEOUS.

242,921.....	Miscellaneous...	Point Hope.....	Adult.....		17.7	13.2	13
243,982.....		"Alaska".....	do.....		17.6	13.4	13.6
242,751.....		Bering Sea Islands	do.....		17.7	13.6	13.7
.....		"Alaska".....	do.....		17.8	13.8	14.1
243,981.....		do.....	do.....		17.2	13.4	13.3
242,894.....		do.....	do.....		17.8	14	13.3
243,979.....		Nunivak Island.....	do.....		17.4	13.8	13
242,753.....		Bering Sea Islands	do.....		17.9	14.2	13.2
.....		Point Clarence.....	do.....		17.3	13.8	12.7
243,983.....		"Alaska".....	do.....		17.4	14.1	13.3
Total.....					(10)	(10)	(10)
Average.....					17.53	13.73	13.32

TOTAL ALASKA ESKIMO—MALES.

Total.....					(27)	(27)	(27)
Average.....					18.29	13.90	13.76

TOTAL ALASKA ESKIMO—FEMALES.

Total.....					(18)	(18)	(18)
Average.....					17.68	13.57	13.19

Alaska Eskimo crania—Continued.

FEMALE—Continued.

NORTON SOUND.

Cranial Index.	Mean Height Index.	Cranial Module.	Capacity, in c. c. (Hrdlička's method).	Menton-Nasion Height (a).	Alveol. PL.-Nasion Height (b).	Diam. Bimaxillary maxims. (c).	Facial Index, total $\left(\frac{b \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, height.	Nose Breadth, maxims.	Nasal Index.
73.7	88.7	14.97	1,310	11.3	7.2	13	85.9	55.4	3.6	3.7	97.9	5	2.1	42
75.8	88.8	15.20	1,450	.....	7	12.9	54.3	3.4	4	3.4	85	5.1	2.1	41.9
75.8	87.5	14.50	1,230	.....	.....	13.1	.....	3.6	3.7	94.7	5	2.2	44	
76.5	82.6	14.37	1,270	10.6	6.6	12.9	82.2	51.2	3.6	3.6	100	4.7	2.1	44.7
76.5	85.6	15.13	1,400	.....	.....	13.5	.....	.....	3.9	4	97.5	5.1	2.4	47.1
(5)	(5)	(5)	(5)	(2)	(3)	(5)	(2)	(3)	(5)	(5)	(5)	(5)	(5)	(5)
74.9	85.5	14.83	6,660	21.9	20.8	65.4	84.6	53.6	18.1	13.1	94.8	24.9	10.9	43
.....	.....	.....	1,332	10.95	6.93	13.08	.....	.....	3.62	3.82	.....	1.98	2.15	43.3

MISCELLANEOUS.

74.6	84.1	14.63	1,290	.....	6.8	13.4	.....	50.8	3.5	3.9	89.7	5.4	2.2	40.7
75.1	87.7	14.87	1,350	.....	7.2	13.3	.....	54.1	3.6	4.05	88.9	5	2.6	36
75.8	87.5	15	1,410	.....	7.1	.....	.....	.....	3.6	3.8	94.7	5.2	2.3	44.9
77.5	89.2	15.23	1,460	.....	7.5	13.6	.....	55.2	3.5	3.8	92.1	5.9	2.3	39
77.9	86.9	14.63	1,310	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
78.6	83.6	15.03	1,410	.....	(7.8)	(12.7)	.....	(51.4)	4	3.95	101.3	5.5	2.5	45.4
79.3	85.3	14.73	1,300	.....	6.9	12.8	.....	53.9	3.6	3.3	94.7	5	2.2	44
79.3	82.2	15.10	1,430	.....	.....	13.4	.....	.....	3.4	4	85	5	2.5	50
79.8	81.7	14.60	1,340	.....	6.6	13	.....	50.8	3.5	3.8	92.1	4.9	2.3	46.9
81	84.4	14.93	1,420	.....	7	13.2	.....	53	3.7	3.8	97.4	4.8	2.5	52.1
(19)	(19)	(19)	(19)	.....	(7)	(7)	.....	(6)	(9)	(9)	(9)	(9)	(9)	(9)
78.1	85.1	14.85	13,720	.....	49.1	92.7	.....	53	3.4	34.9	92.9	46.7	21.4	45.8
.....	.....	.....	1,372	.....	7	13.24	.....	.....	3.5	3.53	.....	5.2	2.4	.....

TOTAL ALASKA ESKIMO—MALES.

(27)	(27)	(27)	(25)	(7)	(24)	(24)	(7)	(21)	(26)	(26)	(25)	(27)	(27)	(27)
76	85.5	15.32	36,690	89.7	180.8	338.5	.....	53.7	94.9	104.63	97.7	145.5	62.6	42.7
.....	.....	.....	1,498	12.8	7.53	14.1	.....	.....	3.65	4.02	.....	5.12	2.32	.....

TOTAL ALASKA ESKIMO—FEMALES.

(18)	(18)	(18)	(18)	(2)	(13)	(15)	(2)	(12)	(17)	(17)	(17)	(17)	(17)	(17)
78.8	84.4	14.81	24,220	21.9	91.1	196.3	.....	53.7	61	65.7	92.8	57	38.3	44.6
.....	.....	.....	1,512	13.95	7	13.1	.....	.....	3.89	3.89	.....	5.12	2.28	.....

Chuckchi, Siberia, crania.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
225,028		Aricka mchiche Island, Bering Strait.	Adult		18.4	14.2	13.2
225,025		Plover Bay	do.		18.7	14.7	13.2
225,032		Port Providence	do.	Very slight asymmetry.	18.7	15.0	13.8
225,026		Plover Bay	do.		18.4	14.8	13.6
225,033		Port Providence	do.		18.9		13.0
Total					(5) 93.1	(4) 58.7	(5) 66.8
Average					18.62	14.67	11.36

Eskimo, St. Lawrence Island, crania.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
279,453		North coast	Adult		19.8	14.1	13.4
279,456		do.	do.		19.1	13.7	13.4
279,550		do.	do.		19.5	14.0	13.4
243,988		do.	do.		19.1	13.8	13.7
279,434		do.	do.		18.1	13.1	13.2
279,439		do.	do.		19.5	14.2	13.4
279,385		do.	do.		19.1	13.9	13.4
279,465		do.	do.		18.1	13.2	13.4
279,559		do.	do.		18.8	13.7	
279,473		do.	do.	Slight asymmetry.	18.9	13.8	14.0
279,515		do.	do.		18.6	13.6	13.8
279,396		do.	do.		19.4	14.2	
279,425		do.	do.		18.4	13.5	14.2
279,555		do.	do.		18.8	13.8	13.1
228,281		do.	do.		19.2	14.1	14.0
279,510		do.	do.		19.0	14.0	13.8
279,573		do.	do.		18.4	13.6	13.5
279,487		do.	do.		18.5	13.7	13.8
279,474		do.	do.		18.6	13.8	13.7
279,508		do.	do.		18.6	13.8	13.4
279,501		do.	do.		18.7	13.9	13.4
242,889		do.	do.		18.3	13.6	13.1
279,382		do.	do.		18.8	14.0	13.5
279,492		do.	do.		20.0	14.9	14.3
279,377		do.	do.		18.5	13.8	
242,805		do.	do.		18.6	13.9	14.3
243,992		do.	do.	Slight asymmetry.	19.1	1.43	14.0
279,488		do.	do.		18.7	14.0	13.7
279,665		do.	do.		18.7	14.0	13.8
279,581		do.	do.		19.5	14.6	13.4
279,419		do.	do.		18.8	14.1	13.4
279,505		do.	do.		18.4	13.8	13.8
279,572		do.	do.		19.2	14.4	13.8
279,529		do.	do.		18.4	13.8	13.9
279,541		do.	do.		18.2	13.7	
279,547		do.	do.		18.6	14.0	13.8
279,416		do.	do.		18.3	13.8	13.7

Chuckchi, Siberia, crania.

MALE.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose Breadth, maxim.	Nasal Index.
77.2	81	15.27	1,495	.....	8.2	14.6	.....	56.2	3.55	4.05	87.7	6.1	2.3	87.7
78.6	79	15.53	1,535	.....	7.7	14.3	.....	53.8	3.6	4.1	87.8	5.6	2.2	89.3
80.2	81.9	15.83	1,530	.....	.....	14.4	.....	.....	3.9	4.1	95.1	5.7	2.4	42.1
80.4	81.9	15.60	1,650	11.3	7.4	13.2	85.6	56.1	3.3	3.8	86.8	5.2	2.6	50
.....	.....	.....	.....	.....	7.1	13.3	.....	53.4	3.6	4.0	90	5.5	2.3	41.8
(4)	(4)	(4)	(4)	.....	(4)	(5)	.....	(4)	(5)	(5)	(6)	(5)	(5)	(6)
79.1	81	15.56	1,652	.....	30.4 7.6	69.8 13.96	.....	64.9	3.59	4.01	89.5	6.62	2.56	42

Eskimo, St. Lawrence Island, crania.

MALE.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose Breadth, maxim.	Nasal Index.
71.2	79.1	15.77	1,620	.....	7.2	14.1	.....	51.1	3.8	4.1	92.7	5.8	2.7	46.6
71.7	81.7	15.40	1,360	.....	7.7	14.3	.....	53.8	3.7	4.15	89.2	5.4	2.5	46.3
71.8	80.0	15.63	1,550	.....	7.9	13.8	.....	57.2	3.4	4.05	84	5.6	2.9	51.8
72.2	83.3	15.53	1,465	12.5	8.2	14.9	83.9	55.0	3.7	4.3	86	5.9	2.4	40.7
72.4	84.6	14.80	1,375	.....	8.3	14.4	.....	57.4	3.8	4.2	90.5	5.9	2.8	47.6
72.8	79.6	15.70	1,485	.....	8.0	14.6	.....	54.8	3.7	4.3	89	5.7	2.6	46.6
72.8	81.2	15.47	1,510	.....	7.9	13.8	.....	57.2	4.1	4.3	95.4	5.4	2.4	44.4
72.9	85.6	14.90	1,305	.....	7.5	13.0	.....	57.7	3.7	3.8	97.4	5.3	2.5	47.2
72.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
73.0	85.6	15.57	1,445	.....	7.9	13.8	.....	57.2	3.85	4.3	89.5	5.5	2.4	43.6
73.1	85.7	15.33	1,500	.....	8.2	13.6	.....	60.3	3.65	4.05	90.1	5.5	2.3	41.8
73.2	.....	.....	.....	.....	7.8	14.2	.....	54.9	4.05	4.35	93.1	5.6	2.6	46.4
73.4	86.3	15.37	.....	.....	7.6	13.2	.....	57.6	3.9	4.05	96.3	5.5	2.4	43.6
73.4	80.4	15.23	1,450	.....	6.9	13.6	.....	60.7	3.5	4.15	84.4	5.0	2.8	56
73.4	84.1	15.77	1,620	.....	7.5	14.6	.....	51.4	3.9	4.2	92.9	5.6	2.5	44.6
73.7	83.6	15.60	.....	.....	7.6	13.0	.....	58.5	3.5	4.15	84.4	5.5	2.3	41.8
73.9	84.4	15.17	1,300	11.5	7.5	13.5	85.2	55.6	3.72	3.8	97.9	5.3	2.4	45.3
74.0	85.7	15.33	.....	.....	.....	13.5	.....	.....	3.85	3.9	98.7	5.2	2.4	46.2
74.2	84.6	15.37	1,500	.....	.....	13.2	.....	.....	3.7	4.0	92.6	5.9	2.6	44.1
74.2	82.7	15.27	1,480	.....	7.8	13.5	.....	57.8	3.65	4.05	90.1	5.5	2.5	45.4
74.3	82.2	15.33	1,550	.....	7.5	14.1	.....	53.2	3.7	4.0	92.6	5.4	2.3	42.6
74.3	82.1	15.09	1,370	.....	7.3	14.2	.....	51.4	3.65	3.75	97.4	5.7	2.3	40.4
74.5	82.3	15.43	1,405	.....	7.5	14.1	.....	53.2	3.7	4.0	92.6	5.6	2.0	53.6
74.6	81.9	16.40	1,810	.....	7.7	15.4	.....	50.0	3.8	4.3	88.4	6.2	2.5	40.3
74.6	.....	.....	.....	.....	7.9	13.7	.....	57.7	3.9	4.0	97.5	5.5	2.6	47.3
74.7	88	15.60	1,540	12.2	7.6	14.2	85.9	53.5	3.4	4.0	85	5.6	2.4	42.9
74.9	83.8	15.80	1,565	.....	8.1	13.9	.....	58.3	3.75	4.0	93.8	5.8	2.3	39.7
74.9	83.8	15.47	1,535	.....	7.7	13.3	.....	57.9	3.5	3.85	95.9	5.3	2.2	41.5
74.9	84.4	15.50	.....	.....	7.4	14.7	.....	50.3	3.75	4.2	89.3	5.9	2.8	47.5
74.9	76.4	15.83	1,640	12.7	8.1	14.8	85.8	54.7	3.65	3.95	92.4	6.1	2.7	44.3
75.0	81.5	15.43	1,570	.....	7.7	12.8	.....	60.2	3.7	3.85	96.1	5.5	2.5	45.4
75.0	85.7	15.33	1,430	.....	8.1	13.7	.....	59.1	3.7	3.9	94.9	5.8	2.6	44.8
75.0	82.1	15.80	1,590	.....	8.0	14.0	.....	57.1	3.5	3.75	93.4	5.6	2.3	41.1
75.0	86.3	15.33	.....	.....	.....	13.3	.....	.....	3.7	4.0	92.5	5.1	2.3	45.1
75.3	.....	.....	.....	.....	7.7	13.6	.....	56.6	.....	.....	.....	5.6	2.6	46.4
75.3	84.7	15.47	1,430	11.6	7.3	13.9	83.4	52.5	3.5	4.0	87.5	5.3	2.3	43.4
76.4	85.4	15.27	1,540	.....	7.8	14.4	.....	54.2	3.8	4.25	89.4	5.7	2.5	48.9

Eskimo, St. Lawrence Island, crania—Continued.

MALE—Continued.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
243,987		North coast	Adult		18.3	13.8	13.8
279,565		do	do		17.9	13.5	13.5
279,549		do	do		19.1	14.4	
279,560		do	do		18.0	13.6	13.3
279,446		do	do		18.5	14.0	14.2
242,807		do	do		17.7	13.4	13.7
242,793		do	do		18.6	14.1	14.2
279,391		do	do		19.0	14.4	
279,580		do	do		18.2	13.2	13.7
279,520		do	do		17.8	13.5	13.2
279,490		do	do		18.7	14.2	13.4
279,577		do	do		17.4	13.2	13.0
279,450		do	do		18.3	13.9	13.7
242,916		do	do		18.4	14.0	14.2
242,770		do	do		18.4	14.0	14.1
279,517		do	do		18.4	14.0	13.5
279,521		do	do		17.6	13.4	
279,539		do	do		18.8	14.3	13.8
279,546		do	do		18.9	14.4	14.5
242,772		do	do		18.5	14.1	13.4
241,891		do	do		18.6	14.2	14.0
279,455		do	do		18.6	14.2	13.6
279,563		do	do		18.2	13.9	13.6
279,423		do	do		18.3	14.0	13.8
279,533		do	do		18.3	14.0	13.9
279,387		do	do		18.8	14.1	14.2
227,484		do	do		18.4	14.1	13.4
279,485		do	do		18.8	14.4	13.2
279,432		do	do		18.8	14.4	13.5
279,500		do	do		18.4	14.1	13.4
279,524		do	do		18.0	13.8	14.0
279,409		do	do		19.0	14.6	14.3
241,883		do	do		18.5	14.2	14.1
279,493		do	do		18.1	13.9	
279,486		do	do		18.6	14.3	
279,464		do	do		18.2	14.0	13.5
279,575		do	do		18.6	14.3	14.4
279,556		do	do		18.2	14.0	
279,535		do	do		18.7	14.4	14.2
279,388		do	do		18.7	14.4	13.8
279,655		do	do		19.1	14.7	13.9
242,802		do	do		17.9	13.8	14.0
242,776		do	do		18.4	14.2	14.1
279,470		do	do		18.0	13.9	13.3
279,496		do	do	Very slight asymmetry.	18.4	14.2	12.9
279,519		do	do		18.4	14.2	13.6
279,527		do	do		18.4	14.2	14.2
279,545		do	do		18.4	14.2	13.6
279,551		do	do		18.4	14.2	13.7
279,661		do	do		18.4	14.2	13.8
242,803		do	do		18.5	14.3	14.5
279,489		do	do		19.5	15.1	13.9
279,659		do	do		18.6	14.4	13.8
279,511		do	Near adult		18.2	14.1	14.0
242,803		do	Adult	Very slight asymmetry.	17.9	13.9	13.3
279,443		do	do		18.3	14.2	
279,584		do	do		18.3	14.2	13.8
242,809		do	do		18.8	14.6	14.6
243,991		do	do		18.4	14.3	13.8
279,534		do	do		18.8	14.6	13.4
279,536		do	do		18.5	14.4	13.6
228,278		do	do		18.5	14.4	14.2
279,666		do	do		17.2	13.4	
279,408		do	do		17.7	13.8	13.0
242,790		do	do		18.2	14.2	13.6
242,897		do	do		18.6	14.5	13.5
279,478		do	do		18.3	14.3	13.6
279,436		do	do		19.2	15.0	

Eskimo, St. Lawrence Island, crania—Continued.

MALE—Continued.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxin. (glabella ad maximum).	Diam. lateral maxin.	Basion-Bregma height.
279,579		North coast	Adult		18.4	14.4	13.8
242,796		do	do		18.0	14.1	14.6
279,395		do	do		18.1	14.2	13.7
279,523		do	do		18.1	14.2	13.8
279,583		do	do		18.1	14.2	13.8
279,404		do	do		17.7	13.9	12.8
228,282		do	do		18.6	14.6	13.0
279,509		do	do		18.2	14.3	14.1
279,402		do	do		18.2	14.3	13.5
279,467		do	do		18.8	14.8	12.9
242,824		do	do		18.8	14.8	15.1
279,516		do	do		18.4	14.5	13.0
242,825		do	do		18.9	14.9	13.5
279,522		do	do		18.4	14.5	13.5
279,480		do	do		18.0	14.2	13.3
279,475		do	do		18.0	14.2	13.5
279,502		do	do		18.0	14.2	13.6
279,497		do	do		18.0	14.2	12.9
279,657		do	do		17.5	13.8	13.7
279,466		do	do		18.7	14.8	14.8
242,788		do	do		17.2	13.6	13.8
279,514		do	do		17.9	14.2	.....
242,789		do	do		18.4	14.6	14.1
241,886		do	do		18.4	14.6	13.4
279,391		do	do		17.5	13.9	13.0
242,797		do	do		18.4	14.6	13.8
279,477		do	do		18.4	14.6	13.7
279,433		do	do		18.0	14.3	13.2
242,778		do	do		18.6	14.8	13.6
242,488		do	do		17.6	14.0	14.0
242,800		do	do		18.1	14.4	14.4
243,990		do	do		18.3	14.6	14.5
279,405		do	do		17.4	13.9	13.6
279,553		do	do		17.9	14.3	13.4
241,893		do	do		19.0	15.2	13.7
279,518		do	do		17.6	14.1	13.5
279,503		do	do		18.2	14.6	14.0
279,411		do	do		18.4	14.8	13.7
243,989		do	do		17.4	14.0	13.9
279,438		do	do		18.0	14.5	13.0
279,483		do	do	Slight asymmetry.	17.5	14.1	13.4
279,525		do	do		18.6	15.0	14.0
279,663		do	do		18.6	15.0	13.6
279,389		do	do		17.6	14.2	13.5
279,513		do	do		17.7	14.3	12.9
242,771		do	do		17.8	14.4	14.5
242,777		do	do		18.0	14.6	14.4
279,554		do	do	Very slight asymmetry	18.5	15.1	13.9
279,435		do	do		17.9	14.7	12.9
279,400		do	do		18.0	14.8	13.7
279,454		do	do	Very slight asymmetry.	18.3	15.3	14.0
279,481		do	do		18.2	.....	13.2
279,379		do	do		.....	.....	.....
279,406		do	do		18.6	.....	.....
Total		do	do		(158) 2,907.8	(157) 2,219.3	(143) 1,959.5
Average		do	do		18.40	14.14	13.70

Eskimo, St. Lawrence Island, crania—Continued.

MALE—Continued.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, height.	Nose Breadth, max. im.	Nasal Index.
78.3	84.2	15.53	1,465	12.4	7.9	14.6	84.9	54.1	3.6	3.95	91.2	5.8	2.6	44.8
78.3	91	15.57	1,560	.....	7.4	13.5	.....	54.8	3.85	4.1	93.9	5.5	2.3	41.8
78.4	84.8	15.33	1,535	.....	7.3	14.2	.....	51.4	3.75	4.15	90.4	5.4	2.3	42.6
78.4	85.4	15.37	1,520	.....	8.6	14.0	.....	61.4	3.52	3.75	93.9	5.9	2.6	44.1
78.4	85.4	15.37	1,530	11.1	7.2	13.9	79.9	51.8	3.6	3.9	92.5	5.5	2.4	43.6
78.5	81.0	14.80	.....	.....	7.2	13.4	.....	53.7	3.5	3.85	90.9	5.4	2.4	44.4
78.5	78.3	15.40	1,550	.....	7.6	14.3	.....	52.1	3.45	3.9	88.5	5.7	2.4	42.1
78.6	86.8	15.53	1,570	.....	7.4	14.1	.....	52.5	3.6	4.1	87.8	5.8	2.4	41.4
78.6	83.6	15.33	.....	.....	7.5	13.6	.....	55.2	3.55	3.9	91.0	5.3	2.4	45.3
78.7	76.8	15.50	1,540	.....	7.7	14.6	.....	52.7	3.7	4.3	86.0	5.4	2.4	44.4
78.7	89.9	16.23	1,690	.....	8.2	14.3	.....	57.3	3.85	4.0	98.2	6.3	2.5	39.7
78.8	79.0	15.30	.....	.....	7.6	13.7	.....	55.5	.....	.....	.....	.....	.....	.....
78.8	79.9	15.77	1,615	.....	7.5	14.2	.....	52.8	3.8	4.05	93.8	5.5	2.3	41.8
78.8	82.1	15.47	1,470	.....	7.3	14.4	.....	50.7	3.8	4.0	95	5.3	2.5	47.2
78.9	82.6	15.17	1,410	.....	7.1	14.1	.....	50.4	3.8	4.1	92.7	5.5	2.2	40
78.9	83.8	15.23	.....	.....	7.7	14.6	.....	52.7	.....	.....	.....	5.8	2.6	44.8
78.9	84.5	15.27	1,530	.....	.....	14.6	.....	.....	3.9	4.35	89.7	5.6	2.4	42.9
78.9	80.1	15.03	1,490	.....	7.9	14.7	.....	53.7	3.65	4.0	91.2	5.6	2.8	50
78.9	87.5	15.00	1,320	.....	7.4	13.6	.....	54.4	3.6	3.9	92.3	5.6	2.6	46.4
79.1	88.4	16.10	1,640	.....	.....	13.8	.....	.....	.....	.....	.....	.....	.....	.....
79.1	89.6	14.87	1,480	12.3	7.6	13.7	89.8	55.5	3.5	3.85	90.9	5.3	2.7	49.1
79.3	.....	.....	.....	.....	.....	14.2	.....	.....	.....	.....	.....	.....	.....	.....
79.4	85.4	15.67	1,590	.....	7.6	13.8	.....	55.1	3.5	3.85	90.9	5.5	2.5	45.4
79.4	81.2	15.47	1,400	.....	7.1	14.4	.....	49.3	3.55	3.95	89.9	5.2	2.4	46.2
79.4	82.8	14.80	1,350	.....	7.8	13.4	.....	68.2	3.8	4.2	90.5	5.3	2.4	45.3
79.4	83.6	15.60	1,620	.....	7.8	14.2	.....	54.9	3.7	3.9	94.9	5.2	2.0	38.5
79.4	83.0	15.57	1,565	.....	7.4	14.5	.....	51.0	3.65	4.05	90.1	5.7	2.6	45.6
79.4	81.7	15.17	1,500	.....	7.7	13.8	.....	55.8	3.8	4.25	89.4	5.4	2.6	48.3
79.6	81.4	15.67	1,570	.....	.....	14.3	.....	.....	3.65	4.15	88.4	5.4	2.4	49.2
79.6	88.6	15.20	1,480	12.5	7.8	14.2	88.0	54.9	3.8	4.2	90.5	5.2	2.4	43.9
79.6	88.6	15.63	1,640	.....	7.4	14.2	.....	52.1	3.9	4.0	97.5	5.2	2.2	42.3
79.8	88.1	15.80	1,615	.....	8.1	14.7	.....	55.1	3.6	4.0	90	5.8	2.5	43.1
79.9	86.9	14.97	1,325	.....	7.7	13.7	.....	56.2	3.6	4.0	90	5.4	2.5	46.3
79.9	83.2	15.20	1,450	12.3	7.7	14.0	87.9	55	3.75	4.0	93.8	5.4	2.5	46.3
80	80.1	15.97	1,700	.....	8.2	14.5	.....	56.6	3.85	4.05	95.1	6.0	2.8	46.7
80.1	85.2	15.07	1,415	.....	7.5	13.3	.....	56.4	3.6	3.9	92.3	5.6	2.5	44.6
80.2	85.4	15.60	1,600	.....	7.5	13.9	.....	54	3.5	3.8	92.1	5.4	2.5	46.3
80.4	82.5	15.63	1,500	.....	7.7	14.5	.....	53.1	3.75	4.2	89.3	5.5	2.35	42.7
80.5	88.5	15.10	1,400	12.1	7.4	14.5	.....	51.0	3.4	3.9	87.2	5.4	2.6	48.2
80.6	80	15.17	1,395	.....	7.6	13.9	.....	51.0	3.5	4.0	87.5	5.4	2.5	46.3
80.6	84.8	15.00	1,415	.....	7.5	11.2	.....	52.8	3.5	4.0	87.5	5.4	2.6	48.3
80.6	83.3	15.87	1,550	.....	7.5	14.1	.....	53.2	3.7	4.15	89.2	5.4	2.5	46.3
80.6	81	15.73	1,605	.....	7.9	14.4	.....	54.9	3.65	3.95	92.4	5.3	2.4	45.3
80.7	84.9	15.10	1,430	.....	7.1	14.0	.....	50.7	3.5	4.0	87.5	5.3	2.4	45.3
80.8	80.6	14.97	1,400	.....	7.7	14.7	.....	52.4	3.7	4.0	92.5	5.4	2.5	46.3
80.9	90.1	15.57	1,590	.....	7.3	14.1	.....	51.2	3.65	4.0	91.2	5.4	2.4	44.4
81.1	83.3	15.67	1,600	12.1	7.5	13.9	.....	54	3.6	3.95	91.2	5.6	2.1	37.5
81.6	82.7	15.87	1,740	.....	7.9	13.9	.....	56.8	3.65	4.1	89.0	5.9	2.2	37.3
82.1	79.1	15.17	1,430	.....	8.3	14.4	.....	57.6	3.55	3.85	92.2	5.3	2.2	41.5
82.2	83.5	15.50	1,530	.....	7.6	14.9	.....	51.0	3.6	4.3	83.7	5.5	2.5	45.4
83.6	83.3	15.87	1,590	.....	7.2	14.3	.....	50.3	3.6	4.2	85.7	5.0	2.2	44
.....	.....	.....	.....	.....	8.0	14.2	.....	56.3	3.65	4.1	89.0	5.4	2.3	42.6
.....	.....	.....	.....	.....	7.2	14.0	.....	51.4	.....	.....	.....	5.3	2.5	47.2
(157)	(143)	(143)	(129)	(24)	(144)	(151)	(24)	(140)	(148)	(148)	(148)	(150)	(153)	(150)
76.9	84.2	15.42	1,506	12.7	7.66	14.08	90.2	54.5	3.69	4.04	91.3	5.54	2.47	44.6

Eskimo, St. Lawrence Island, crania—Continued.

FEMALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (gabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
279,403					18.1	13.1	12.7
279,417					18.2	13.4	13.9
279,528					17.9	13.2	12.7
279,484					18.4	13.6	12.7
279,561					17.3	12.8	12.8
279,504					18.2	13.5	13.2
242,798					17.8	13.2	13.2
279,586					18.2	13.5	13.2
242,795					17.9	13.3	12.7
279,441					18.0	13.4	13.4
242,819					17.7	13.2	13.6
279,567					17.4	13.0	13.4
241,884					18.2	13.6	12.8
279,552					17.9	13.4	13.5
279,558					18.4	13.8	13.0
242,810					18.4	13.8	12.8
279,506					18.1	13.6	13.3
279,482					17.7	13.3	12.7
279,576					17.7	13.3	12.7
279,469					17.8	13.4	13.1
279,499					17.5	13.2	13.5
242,762					17.5	13.2	12.7
241,882					18.0	13.6	13.5
279,430					17.3	13.1	12.4
279,412					17.7	13.4	13.8
279,570					17.7	13.4	13.3
279,532					18.1	13.7	12.9
279,378					18.2	13.8	13.3
279,564					17.4	13.2	12.5
279,420					17.6	13.4	13.6
241,888					17.7	13.5	13.5
279,463					17.8	13.6	13.8
279,380					17.9	13.7	13.6
279,386					17.2	13.2	12.8
279,461					18.0	13.8	13.2
279,588					17.6	13.5	13.0
242,827					18.2	14.0	13.1
279,384					17.8	13.7	12.9
242,775					17.5	13.5	13.4
279,437					17.7	13.7	13.3
279,531					17.8	13.8	13.1
242,836				Very slight asymmetry.	17.4	13.5	13.0
242,820					17.9	13.9	13.6
279,449					17.2	13.4	
279,460					17.3	13.5	
279,399					17.6	13.8	13.2
242,773					17.6	13.8	13.7
279,658					17.6	13.8	13.4
279,537					17.6	13.8	12.9
279,444					17.6	13.8	13.6
279,376					18.2	14.3	13.7
279,574					17.3	13.6	12.9
228,277					16.8	13.2	12.2
279,512					17.4	13.7	12.6
279,415					17.4	13.7	13.0
279,429					17.5	13.8	13.3
279,422					17.5	13.8	12.5
279,457					18.5	14.6	13.4
279,660					17.6	13.9	13.2
279,414					17.2	13.6	14.1
228,283					18.2	14.4	13.6
279,428					17.3	13.7	13.8
242,766					17.8	14.1	13.6
279,427					16.6	13.2	13.0
242,774					17.2	13.7	13.6
242,792					17.6	14.0	13.9
242,804				Very slight asymmetry.	18.1	14.4	13.8
279,401					17.6	14.0	13.4
279,413					17.6	14.0	13.0

Eskimo, St. Lawrence Island, crania—Continued.

FEMALE—Continued.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
279,426					17.6	14.0	12.9
279,431					17.6	14.0	12.9
279,526					18.1	14.4	13.9
279,440					18.2	14.5	13.9
279,540					17.8	14.2	13.9
242,945				Probably mixed Indian.	(16.9)	(13.5)	(13.2)
279,538					17.0	13.6	13.2
279,424				Very slight asymmetry.	17.0	13.6	12.1
279,390					16.2	13.0	12.6
242,787				Very slight asymmetry.	16.7	13.4	13.3
279,472					17.7	14.2	13.4
279,667					16.2	13.0	13.2
279,468					17.6	14.2	13.4
279,398					17.3	14.0	13.6
242,818				Very slight occipital flattening.	17.4	14.1	13.6
241,892					17.0	13.8	13.3
279,393					17.0	13.8	13.6
241,894					17.2	14.0	12.6
279,557				Moderate asymmetry.	(18.2)	(14.9)	(12.6)
228,284				Moderate occipital compression.	(16.6)	(14.2)	(13.2)
279,383							
279,418							
279,542					17.1	13.8	12.8
Total....					(87)	(86)	(82)
Average.					17.63	13.65	13.20

Eskimo, St. Lawrence Island, crania—Continued.

FEMALE—Continued.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, height.	Nose Breadth, maxim.	Nasal Index.
79.6	81.6	14.83	1,400	.....	.....	12.9	.....	.....	3.5	3.8	92.1	5.0	2.5	50
79.6	85.5	15.47	1,400	.....	7.0	.....	.....	.....	3.6	4.1	87.8	5.1	2.7	52.9
79.7	.....	.....	.....	.....	6.7	13.7	.....	48.9	3.55	4.0	88.8	5.0	2.6	52
79.8	84.2	15.30	1,450	.....	7.1	13.4	.....	53	3.6	4.2	85.7	5.3	2.4	45.3
(79.9)	(86.8)	(14.53)	(1,335)	.....	(6.8)	(12.8)	.....	(53.1)	(3.4)	(3.8)	(89.5)	(5.0)	(2.5)	(50)
80	86.8	14.60	1,280	.....	.....	12.9	.....	.....	.....	.....	.....	.....	.....	.....
80	79.6	14.23	1,305	.....	7.0	12.8	.....	54.7	3.5	3.8	94.7	5.3	2.5	47.2
80.2	86.3	13.93	1,120	.....	7.1	13.1	.....	54.2	3.4	3.9	87.2	5.0	2.5	50
80.2	88.4	14.47	1,330	.....	6.9	12.6	.....	54.8	3.3	3.8	86.8	4.8	2.6	54.2
80.2	84.0	15.10	1,410	.....	7.4	13.6	.....	54.9	3.6	4.2	87.8	5.0	2.4	43
80.2	90.4	14.13	1,230	.....	6.2	13.1	.....	47.3	3.6	3.9	92.3	4.6	2.4	52.2
80.7	.....	.....	.....	.....	6.8	13.3	.....	51.1	.....	.....	.....	5.0	2.5	50
80.9	86.9	14.97	1,530	.....	7.4	14.0	.....	52.9	3.5	3.95	88.6	5.1	2.4	47.1
81	86.4	15.03	1,380	10.8	6.6	13.3	81.2	49.6	3.6	3.95	91.2	4.7	2.5	53.2
81.2	86.4	14.70	1,350	.....	7.2	12.8	.....	56.2	3.65	3.9	93.6	5.1	2.3	45.1
81.2	88.3	14.80	1,340	11.5	7.0	13.2	87.1	53.0	3.7	3.9	94.9	5.3	2.4	45.3
81.4	80.8	14.60	1,390	.....	7.2	13.8	.....	52.2	3.6	3.95	91.2	5.1	2.3	45.1
.....	.....	15.23	1,500	.....	6.9	.....	.....	.....	3.5	4.05	86.4	5.0	2.5	50
.....	.....	14.67	1,390	.....	6.9	13.7	.....	50.4	3.65	3.75	97.8	5.0	2.0	40
.....	.....	.....	.....	.....	6.5	13.9	.....	46.8	3.8	4.0	95	5.0	2.2	44
.....	.....	.....	.....	.....	7.0	.....	.....	.....	3.6	3.95	91.2	5.3	2.65	50
.....	.....	.....	.....	.....	7.6	.....	.....	.....	3.8	4.0	95	5.4	2.5	49.3
(86)	(81)	(81)	(69)	(12)	(82)	(78)	(12)	(75)	(81)	(81)	(81)	(86)	(86)	(86)
77.4	84.9	14.77	94,090 1,364	136.4 11.37	578.8 7.03	1,029.8 13.20	86.4	53.4	291.83 3.60	317.86 3.92	91.8	440.45 5.13	206.2 2.40	45.8

Eskimo crania: Summary of measurements.

MALE.

	Greenland.	Baffin Land.	"Central."	Smith Sound.	Alaska.	St. Lawrence Island.	Asiatic.
Number of skulls.....	(39)	(4)	(10)	(7)	(27)	(158)	(5)
Vault:							
Length.....	19.05	18.45	18.98	18.96	18.29	18.40	18.62
Breadth.....	13.59	13.62	14	14.37	13.90	14.14	14.67
Height.....	13.95	13.80	13.97	14.06	13.76	13.70	13.36
Cranial Index.....	71.5	73.8	73.8	75.8	76	76.9	79.1
Mean Height Index.....	85.8	86	84.7	84.4	85.5	84.2	81
Module.....	15.54	15.29	15.65	15.81	15.32	15.42	15.56
Capacity.....	1,560	1,482	1,567	1,566	1,466	1,506	1,552
Face:							
M.-N. Heights.....	12.18	11.90	12.66	12.13	12.80	12.70	.....
Alv. Pt.-N. Heights.....	7.40	7.35	7.70	7.64	7.53	7.66	7.6
Breadth.....	14	13.95	14.48	14.70	14.10	14.08	13.96
Facial Index, total.....	82.7	85.2	87.2	82.4	91.9	90.2	(85.6)
Facial Index, upper.....	53.6	52.7	53	52	53.7	54.5	54.9
Orbits:							
Mean height.....	3.68	3.50	3.69	3.54	3.65	3.69	3.59
Mean breadth.....	4.01	3.87	4.09	4.11	4.02	4.04	4.01
Mean Index.....	91.8	90.3	90.3	86.7	92.9	91.5	89.5
Nose:							
Height.....	5.33	5.22	5.43	5.73	5.42	5.54	5.62
Breadth.....	2.29	2.17	2.31	2.27	2.32	2.47	2.36
Index.....	42.9	41.6	42.6	39.7	45.8	44.6	42

FEMALE.

	Greenland.	Baffin Land.	"Central."	Smith Sound.	Alaska.	St. Lawrence Island.	Asiatic.
Number of skulls.....	(44)	(5)	(6)	(2)	(18)	(87)	.....
Vault:							
Length.....	17.99	18.44	18.17	18	17.68	17.63	.....
Breadth.....	12.96	13.22	13.70	13.80	13.57	13.65	.....
Height.....	13.10	13.32	13.69	13.65	13.19	13.20	.....
Cranial Index.....	71.9	72	75.4	76.7	76.8	77.4	.....
Mean Height Index.....	84.8	84	85.9	85.8	84.4	84.9	.....
Module.....	14.71	14.96	15.18	15.14	14.81	14.77	.....
Capacity.....	1,347	1,403	1,443	.....	1,346	1,364	.....
Face:							
M.-N. Heights.....	11.33	11.30	11.70	11.20	10.95	11.37	.....
Alv. Pt.-N. Heights.....	6.88	6.80	7.14	6.80	7	7.03	.....
Breadth.....	12.90	13.05	13.82	13.20	13.10	13.20	.....
Facial Index, total.....	83.1	87.3	84.8	84.8	88.4	86.4	.....
Facial Index, upper.....	53.8	52.5	51.7	51.5	53.7	53.4	.....
Orbits:							
Mean height.....	3.56	3.50	3.64	3.51	3.59	3.60	.....
Mean breadth.....	3.88	3.90	4.05	3.96	3.86	3.92	.....
Mean Index.....	91.8	89.7	89.6	88.6	92.8	91.8	.....
Nose:							
Height.....	5	5.06	5.06	5.3	5.12	5.12	.....
Breadth.....	2.15	2.22	2.21	2.3	2.28	2.40	.....
Index.....	43.2	43.9	43.7	43.9	44.6	46.8	.....

NOTES ON THE ESKIMO.

The 412 (250 males, 162 females) Eskimo crania whose principal measurements are here recorded give a number of indications of importance which may briefly be stated as follows:

1. There is a strong general relationship in measurements (as there is in visual characteristics) in the crania of all the Eskimo. The term "Eskimo type" is as well justified for the skull as it is for the living of these people.

2. The cranial breadth and with it the cranial index decrease gradually from the west to the east. There is no sudden change at

any geographical point; and as there has also been no known or even suspected coming in at any point of other people who would have admixed and modified the Eskimo, the gradual change in head form may be regarded as having taken place within the tribes themselves, and is probably connected with environment conditions—using the term “environment” in its broadest sense.

3. The height of the skull decreases from the Central Eskimo toward the west in the males, but not in the females—which appears conservative on one hand of the unity of, and on the other of the changes within, the stock.

4. There is a remarkable agreement among all the Eskimo in measurements relating to the size of the skull. Where differences exist they are probably due in the main to insufficient number of specimens.

5. The face, especially the portion above the teeth, is high and also broad. The indices, especially the upper facial, are lowest in the Smith Sound, highest in the western groups.

6. The orbits are on the average fairly uniform.

7. The nose, characteristically narrow throughout, is especially so in the eastern, least so in the western, Eskimo.

8. The Alaska Eskimo, while well within the general type, show relatively the highest face and orbits.

9. There is a plain connection of the stock with the Bering Sea and the Asiatic Eskimo; and through these with the mongoloid type of northeastern and northern Asia. As we proceed eastward there is in general an increase in the length and height, with corresponding decrease in the breadth of the vault, and a decrease in the breadth of the nasal aperture; all of which are in all probability changes of adaptation to environmental conditions, and especially connected with the use and development of the muscles of mastication.

ALASKA AND RELATED INDIANS.

Aleut crania.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
242,875	Var.	Atka Island	Adult		18.9	14.4	13.4
'943		Chernofsky Island	do.		18.8	14.4	12.4
'849		Kodiak Island	do.		18.2	14	13
'924		Chernofsky	do.		18.4	14.7	13
'908		Amanak	do.		18.5	14.8	12.1
'977		Atka	do.		18.6	14.9	12.5
'848		Unalaska	do.		18.3	14.7	13
'863		Adakh	do.		18	14.5	12.4
'930		Chernofsky	do.		17.8	14.5	12.6
225,266		"Aleutian Islands"	do.		17.6	14.4	12.7
242,880		Chernofsky	do.		18.4	15.1	13.3
'868		Constantine Harbor.	do.		18.6	15.3	12.2
'940		Chernofsky	do.		18.9	15.6	12.8
'882		do.	do.		18.4	15.2	12.9
'869		Atka	do.		18	15	13.2
'909		do.	do.		18.4	15.4	13.5
17,479		Kagamil Islands	do.		18.2	15.3	13
242,871		Unga	do.		18.2	15.4	12.3
'910		do.	do.		18.2	15.4	12.6
'922		Chernofsky	do.		18.2	15.4	12.8
'900		Kagamil Islands	do.		18.6	15.8	12.2
'872		Atka	do.		18.1	15.4	
'915		Chernofsky	do.		18.4	15.7	12.6
17,485		Kagamil Islands	do.		18	15.4	12.9
242,912		Unga	do.		17.6	15.7	12.8
Total...					(25) 457.3	(25) 376.4	(24) 306.2
Average.					18.29	15.06	12.76

FEMALE.

243,973	Var.	Atka Island	Adult		17.8	14	12.8
242,861		Amanak Island	do.		17.7	14	13
228,041		Kiska Island	do.		17.6	14	11.8
242,870		Atka	do.		17.2	13.8	12.8
279,205		Hog Island	do.		17.2	14	11.8
242,866		Unga Island	do.		17.4	14.2	11.9
'939		Chernofsky Island	do.		17.4	14.2	11.9
'917		do.	do.		18	14.7	11.8
'893		Unalaska	do.		18.1	14.8	12.6
'874		Atka	do.		17.6	14.4	12.3
'911		Unga	do.		17.8	14.6	12.9
'914		Chernofsky	do.		17.4	14.3	12
243,974		Atka	do.		17.7	14.6	13
242,853		Amanak	do.		17.4	14.4	12.2
'944		Chernofsky	do.		17	14.1	11.5
'938		do.	do.		17.9	15	12.3
'918		do.	do.		17	14.3	12.5
'850		Kodiak Island	do.		17.1	14.4	13
'879		Chernofsky	do.		17	14.4	12.6
243,976		Atka	do.		16.8	14.3	11.5
279,204		Hog Island	do.		17.4	14.8	12.2
242,886		Chernofsky	do.	Slight occipital compression.	17.2	14.8	12.6
'920		do.	do.		17.3	14.9	11.9
'919		do.	do.	Slight asymmetry.	16.9	14.6	12
279,206		Hog Island	do.		17	14.7	12
242,877		Chernofsky	do.		17.4	15.1	11.8
279,203		Hog Island	do.		17.2	15.2	12.3
243,972		Unga	do.		17.8	15.8	12.6
Total...					(28) 487.3	(28) 406.4	(28) 343.6
Average.					17.40	14.51	12.27

¹ Teeth about one-half worn off.² Teeth about three-fourths worn off.

ALASKA AND RELATED INDIANS.

Aleut crania.

MALE.

Cranial Indx.	Mean Height Indx.	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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose Breadth, maxim.	Nasal Indx.
76.2	80.5	15.57	1,590	.....	.....	14.5	.....	.....	3.4	4.05	84	5.3	2.85	53.8
76.6	74.7	15.20	1,510	.....	.....	14.2	.....	.....	3.7	4.1	.....	5.2	2.7	51.9
76.9	80.8	15.07	1,510	.....	7.9	14.6	.....	64.1	3.4	3.9	88.1	5.4	2.9	53.7
79.9	78.6	15.37	1,580	12.9	7.9	14.6	88.4	64.1	3.4	4.2	87.2	5.6	2.3	41.1
80	72.7	15.13	1,610	12.1	7.4	14.4	84	61.4	3.85	4.3	89.5	5.5	2.4	43.6
80.1	74.6	15.33	1,530	.....	7.5	14.5	.....	61.7	3.6	3.85	93.5	5	2.6	52
80.3	73.8	15.33	1,475	.....	7.4	14.7	.....	60.9	3.38	3.8	88.8	5.3	2.7	50.9
80.6	76.3	14.97	.....	.....	7.3	14.2	.....	61.4	3.8	4.2	90.5	5.5	2.5	45.5
81.5	78	14.97	1,360	.....	7.5	14.9	.....	60.3	3.45	4.05	85.2	5.2	2.5	48.1
81.8	79.4	14.90	1,420	11.6	6.6	13.9	83.4	47.6	3.4	3.85	88.4	4.9	2.4	50
82.1	79.4	15.60	1,630	.....	8.4	14.5	.....	67.9	3.75	4.1	91.4	5.8	2.5	43.1
82.3	72.4	15.37	1,440	12.7	7.6	14.5	87.6	62.4	3.4	4.0	85	5.4	2.45	46.4
82.5	74.2	15.77	1,700	.....	7.8	15.2	.....	61.3	3.95	4.15	95.2	5.8	2.8	48.3
82.6	76.8	15.50	1,510	.....	7.5	14.8	.....	60.7	3.5	4.0	87.5	5.5	2.5	45.5
83.5	80	15.40	1,660	.....	6.5	14.3	.....	46.6	3.5	3.9	89.7	4.8	2.7	66.2
83.7	79.9	15.77	1,680	11.3	6.7	14.2	79.6	47.2	3.4	3.8	89.5	5	2.75	55
84.1	77.6	15.50	1,710	12.6	7.6	15.3	82.4	49.7	4.0	4.2	95.2	5.3	2.5	47.2
84.6	73.2	15.30	1,550	11.6	6.8	14.6	79.5	46.6	3.65	4.2	86.6	5.2	2.6	50
84.6	75	15.40	1,510	.....	7.5	14.9	.....	60.3	3.95	4.1	96.4	5.4	2.4	44.4
84.6	76.2	15.47	1,620	11.5	7.2	14.8	77.7	48.6	3.6	3.9	92.3	5.2	2.6	50
85.5	70.9	15.53	1,660	.....	7.6	14.8	.....	61.4	3.6	4.0	90	5.3	2.4	46.3
85.1	.....	.....	1,630	.....	7.2	14.4	.....	50	3.5	3.9	89.7	5.3	2.9	54.7
85.3	73.9	15.57	1,550	11.9	7.5	14.8	80.4	50.7	3.35	3.95	84.8	5.3	2.8	52.8
85.6	77.2	15.43	1,390	.....	7.6	14.6	.....	52.1	3.75	4.15	90.4	5.4	2.2	40.7
89.2	76.9	15.33	1,610	12.5	7.7	15.2	82.2	60.6	3.7	4.2	88.1	5.4	2.5	46.3
(85)	(24)	(24)	(10)	(23)	(25)	(10)	(23)	(24)	(25)	(24)	(25)	(25)	(25)	(26)
.....	.....	.....	37,465	120.7	170.7	365.4	.....	86.58	100.85	.....	132.9	64.45	.....	.....
82.3	76.6	15.36	1,561	12.07	7.42	14.62	82.5	50.7	3.61	4.03	89.5	5.32	2.58	48.5

FEMALE.

78.6	80.5	14.87	1,440	.....	.....	.....	.....	.....	.....	.....	.....	5	2.7	54
79.1	82	14.90	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.8	.....	.....
79.6	74.7	14.47	1,250	.....	6.8	.....	.....	52.3	3.5	3.75	93.4	4.9	2.5	51
80.2	82.6	14.60	1,280	.....	6.9	13.2	.....	52.3	3.5	3.8	92.1	4.9	2.4	49
81.4	75.6	14.33	1,400	12.2	7.5	12.5	97.6	60	3.45	3.85	89.6	5.1	2.15	42.2
81.6	75.5	14.50	1,300	11.3	7.1	13.4	84.3	60.3	3.7	4.0	92.5	5.1	2.4	47.1
81.6	75.5	14.50	1,380	.....	6.7	13.1	.....	51.2	3.6	3.8	94.7	5	2.05	41
81.7	72.2	14.83	1,370	.....	.....	13.7	.....	.....	3.68	4.05	90.9	5.3	2.6	49.1
81.8	76.6	15.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
81.8	76.9	14.77	1,300	.....	7	13.4	.....	52.2	3.45	3.7	93.2	4.9	2.6	55.1
82	79.6	15.10	1,550	11.6	7	12.5	92.8	56	3.4	3.6	94.4	5	2.3	46
82.2	75.7	14.57	1,330	.....	6.8	13.8	.....	49.3	3.55	3.95	89.9	4.9	2.7	55.1
82.5	80.5	15.10	1,540	.....	6.7	.....	.....	.....	3.35	3.8	88.2	4.9	2.4	49
82.8	76.7	14.67	1,330	11.4	7	.....	.....	.....	.....	.....	.....	4.8	2.3	47.9
82.9	74	14.20	1,250	.....	.....	13.6	.....	.....	3.4	3.9	87.2	4.8	2.6	54.2
83.8	74.8	15.07	1,500	11.5	7.1	13.7	83.9	61.8	3.65	3.7	98.6	5.1	2.15	42.2
84.1	79.9	14.90	1,340	10.3	.....	13.1	78.6	.....	3.6	3.85	95.5	4.9	2.4	49
84.2	82.5	14.83	1,410	12.7	7.6	13.4	94.8	66.7	(3.9)	(3.8)	(102.6)	5.5	2.4	43.6
84.7	80.2	14.67	1,340	.....	7.2	13.4	.....	63.7	3.85	4.0	96.2	5	2.45	49
85.1	74	14.20	1,215	.....	6.3	13.1	.....	48.1	3.55	3.8	93.3	5	2.7	54
85.1	75.8	14.80	1,420	11.8	7.4	13.1	90.1	66.5	3.75	4.05	92.6	5.4	2.35	43.5
86	78.8	14.87	1,420	.....	7.3	13.4	.....	54.5	3.45	3.8	90.8	5.1	2.45	48
86.1	73.9	14.70	1,360	.....	.....	13.5	.....	.....	3.9	3.95	98.8	5.3	2.3	43.4
86.4	76.2	14.50	1,390	11.5	6.8	13.3	86.5	51.1	3.55	4.0	88.8	4.9	2.3	46.9
86.5	75.7	14.57	1,490	11.4	7	13.4	85.1	52.2	.....	.....	.....	4.9	2.5	51
86.8	72.6	14.77	1,360	12.3	7.8	13.3	92.5	58.6	3.65	3.8	95.9	5.3	2.2	41.5
88.4	75.9	14.90	1,480	12.5	7.7	.....	.....	.....	.....	.....	.....	5	2.2	44
88.8	75	15.40	1,570	.....	7.8	14.4	.....	52.1	3.5	3.8	92.1	5.6	2.6	46.4
(88)	(28)	(28)	(26)	(12)	(21)	(22)	(10)	(18)	(21)	(21)	(27)	(26)	(26)	(26)
83.4	76.9	14.73	1,385	11.71	7.12	13.33	88.5	53.5	3.57	3.85	92.7	5.05	2.41	46

* Teeth moderately worn off.

† Teeth about one-fourth worn off.

* Teeth about one-third worn off.

Alaska: Tribe unknown—Indian.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior max. (glabella ad maximum).	Diam. lateral max.	Basion-Bregma height.
					(17.6)	(14.8)	(13.7)
242,925		Yukon River	Adult		18.4	13.9	13.8
'892		N. Jackson Sch.	do.		18.5	14.2	13.6
'885		"Alaska"	do.		18.2	14.6	12.6
243,986		do.	do.		18.2	14.4	12.2
225,040		Prince William Sound.	do.	Slight occipital compression.	(17.6)	(14.8)	(13.7)
243,985		"Alaska"	do.		17.6	14.6	12.8
242,937		Point Hope	do.		18.2	15.7	13.5
Total					(6) 110	(6) 87.4	(6) 78.5
Average					18.33	14.57	13.08

¹ Teeth moderately worn.

FEMALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior max. (glabella ad maximum).	Diam. lateral max.	Basion-Bregma height.
					(15)	(14.8)	(13.3)
227,463		"Alaska"	Adult		17.7	13.5	13.5
242,926		do.	do.		18.4	14.6	13.2
'932		do.	do.		17.8	14.2	13.4
242,899		do.	do.		17	13.9	13.2
'901		do.	do.		16.7	14	11.9
'936		do.	do.	Marked occipital compression.	(15)	(14.8)	(13.3)
Total					(5) 87.6	(5) 70.2	(5) 65.2
Average					17.52	14.04	13.04

¹ Teeth about one-third worn off.

Alaska: Tribe Tlingit.

MALE.

Catalogue No. (U. S. N. M.)	Tribe locality.	Approximate age of subject.	Deformation.	Vault.		
				L.	B.	H.
300,898	Admiralty Island	Adult		<i>Cm.</i> 18.2	<i>Cm.</i> 14.1	<i>Cm.</i> 14.6
'6	Prince of Wales Island, west coast.	do.		18.3	14.4	13.3
304,095	do.	do.		18.8	14.8	13.8
242,948	Sitka	do.		⁴ 19.3	15.2	14.6
'904	do.	do.		¹ 18.8	15	13.6
225,255	Fort Wrangel	do.		18.8	15.1	12.9
242,847	do.	do.	Moderate occipital compression.	(17.5)	(16.2)	(13)
300,894	East Hecla Island, west of Prince of Wales Island.	do.		18.7	15.4	14.2
Total				(7) 130.9	(7) 104.0	(7) 97.0
Average				18.7	14.86	13.83

¹ Teeth very slightly worn.² Not Eskimo-like.³ Teeth slightly worn.⁴ 4 mm. allowance made for a protruding process at inion.

Alaska: Tribe unknown—Indian.

MALE.

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, $\frac{a \times 100}{c}$ (d).	Facial Index, upper $\frac{b \times 100}{c}$ (e).	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose Breadth, maxim.	Nasal Index.
75.5	85.4	15.37	1,520	¹ 12.1	7.2	13.9	87	51.8	3.4	4.1	82.9	5.1	2.5	49
75.5	82.4	15.53	1,530	.....	7.4	15	.....	49.3	3.7	4.3	86	5.3	2.9	54.7
77.7	75.4	15.33	1,590	.....	.....	14.7	.....	54.4	3.6	4	90	5.2	2.45	47.1
79.1	74.8	14.93	1,410	¹ 10.4	6.6	14.4	72.2	45.8	3.5	4	87.5	5.15	2.9	56.3
.....	.....	15.37	1,525	.....	.....	15	.....	.....	3.4	3.9	87.2	5.2	2.6	50
83	79.5	15	1,355	² 12.6	7.9	13.8	91.3	57.2	3.9	4	97.5	5.6	2.4	42.9
86.3	79.6	15.80	1,710	.....	7.4	.....	.....	.....	3.4	3.9	87.2	5.5	2.9	52.7
(5)	(6)	(7)	(7)	(3)	(6)	(6)	(3)	(5)	(7)	(7)	(7)	(7)	(7)	(7)
79.5	79.5	15.33	10,650	35.1	44.5	86.8	83.5	51.7	24.9	28.2	88.3	37.05	18.65	50.3
.....	.....	.....	1,521	11.7	7.42	14.47	.....	.....	3.56	4.03	.....	5.29	2.66	.....

¹ Teeth slightly worn.

FEMALE.

76.3	83.3	14.90	1,300	¹ 11.4	7.2	13.1	87	55	3.7	3.9	94.9	5.3	2.5	47.2
79.4	80	15.40	.....	.....	7.3	13.1	.....	55.7	3.6	3.8	94.7	5.5	2.5	45.4
79.8	83.8	15.13	1,530	¹ 11.6	7.4	13.6	83.3	54.4	3.7	3.85	96.1	5.3	2.4	43.5
81.8	83	14.70	1,370	.....	6.4	.....	.....	.....	3.5	3.8	92.1	4.8	(2.9)	(60.4)
83.8	77.5	14.20	1,145	.....	.....	12.8	.....	.....	3.5	3.75	93.4	4.7	2.45	52.1
.....	.....	14.33	1,270	.....	7	12.2	.....	54.7	3.4	3.5	97.1	4.9	2.3	49.9
(5)	(5)	(6)	(5)	(2)	(5)	(5)	(2)	(4)	(6)	(6)	(6)	(6)	(5)	(5)
80.1	82.6	14.84	6,615	23.0	35.3	65.4	86.1	54.9	21.4	22.6	94.2	30.5	12.15	47.3
.....	.....	.....	1,523	11.5	7.06	13.08	.....	.....	3.57	3.77	.....	5.08	2.43	.....

¹ Not negroid.

Alaska: Tribe Tlingit.

MALE.

Cranial Index.	Mean Height Index.	Cranial Module.	Capacity.	Face.			Facial Index, total.	Facial Index, upper.	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose, Breadth maxim.	Nasal Index.
				Menton-Nasion.	Alveolar Pt.-Nasion.	Diam. Bizygomatic maxim.								
77.5	80.4	<i>Cm.</i> 15.63	1,630	¹ 12.9	.....	13.8	93.5	58	3.7	4	92.5	5.6	2.3	41.1
78.7	81.4	15.33	1,450	² 12.1	7.7	13.5	89.6	57	3.9	3.9	100	5.4	2.7	50
78.7	82.1	15.80	1,620	¹ 12.4	7.8	15.3	81	51	3.7	4	92.5	5.4	2.5	45.3
78.8	84.6	16.37	1,580	² 12.8	.....	14.9	85.9	53.7	3.6	3.9	92.3	5.7	2.5	43.9
79.8	80.5	15.80	1,800	³ 12.9	7.9	14.9	86.6	53	3.8	4.2	90.5	5.5	2.9	52.7
80.3	76.6	15.60	1,610	.....	.....	14.4	.....	.....	3.6	3.9	92.3	5.2	2.7	51.9
.....	.....	15.57	1,610	⁶ 12.1	7.9	15.3	79.1	51.6	4	4.1	97.6	5.5	2.15	39.1
82.4	83.3	16.10	1,580	⁷ 12.8	7.8	14.8	86.5	52.7	3.6	4.2	85.7	5.7	3	52.6
(7)	(7)	(8)	(8)	(7)	(7)	(7)	(7)	(7)	(8)	(8)	(8)	(8)	(8)	(8)
79.4	82.6	15.77	1,610	12.6	88	55.1	102.5	14.36	29.9	32.2	92.9	44	20.7	47
.....	.....	.....	.....	.....	7.87	.....	.....	.....	3.74	4.02	.....	5.6	2.6	.....

⁶ Teeth moderately worn.⁷ Teeth about one-half worn off.⁸ Teeth about one-third worn off.

Alaska: Tribe Tlingit—Continued.

FEMALE.

Catalogue No. (U. S. N. M.)	Tribe locality.	Approximate age of sub- ject.	Deformation.	Vault.		
				L.	B.	H.
300,895.....	West coast of Prince of Wales Island.	Adult.....		<i>cm.</i> 18	<i>cm.</i> 14.3	<i>cm.</i> 12.9
262,170.....	Prince William Sound, Knights Island.	..do.....	Marked asymmetry...	(17.2)	(14.3)	(12)
242,902.....	Ozerskoi, near Sitka.....	..do.....	Moderate frontal oc- cipital compression.	(16.4)	(14.8)	(12)
300,897.....	West coast of Prince of Wales Island.	..do.....		17.4	14.4	12.1
Total.....				(2) 35.4	(2) 28.7	(2) 25
Average.....				17.7	14.35	12.5

Haida crania.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
304,053.....	E. Kirk.....	Queen Charlotte Islands.	Adult.....		17.7	14.4	13.6
'2.....		..do.....	..do.....		17.8	15.4	13.2
Total.....					(2) 35.5	(2) 29.8	(2) 26.8
Average.....					17.75	14.9	13.4

FEMALE.

304,051.....	E. Kirk.....	Queen Charlotte Islands.	Adult.....		17.4	14.2	13
'4.....			..do.....		16.8	13.8	12.8
Total.....					(2) 34.2	(2) 28	(2) 25.8
Average.....					17.1	14	12.9

Alaska: Tribe Tlingit—Continued.

FEMALE.

Cranial Index.	Mean Height Index.	Cranial Module.	Capacity.	Face.			Facial Index, total.	Facial Index, upper.	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose, Breadth maxim.	Nasal Index.
				Menton-Nasion.	Alveolar Pt.-Nasion	Diam. Bizygomatic maxim.								
79.4	78.9	Cm. 15.07	C. c. 1,310	11.4	6.9	13.7	83.2	50.4	3.4	4.1	82.9	4.85	2.3	47.4
.....	.....	14.50	1,250	.....	6.6	13.4	.....	49.2	3.4	3.7	91.9	5	2.3	46
.....	.....	14.40	1,340	.....	.....	13	.....	.....	3.6	3.7	97.3	5	2.3	46
82.8	76.1	14.63	1,450	11.7	7.3	13.2	88.6	55.3	3.8	3.8	100	5.3	2.5	47.2
(2)	(2)	(4)	(4)	(2)	(3)	(3)	(2)	(3)	(4)	(4)	(4)	(4)	(4)	(4)
81.1	78	14.65	1,338	11.55	6.95	13.43	86.2	51.6	3.55	3.82	92.8	5.04	2.35	46.7

Haida crania.

MALE.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose, Breadth maxim.	Nasal Index.
86.5	79.5	15.47	1,600	12	7	14.5	82.8	48.3	3.7	4.3	86	5.3	2.9	54.7
(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	.....	.....	.....	(2)	(2)	(2)
83.9	82.1	15.35	3,000 1,500	24.4 12.2	14.7 7.35	27.9 13.95	87.5	52.7	.....	.....	.....	10.9 5.45	5.5 2.75	50.5

FEMALE.

81.6	82.3	14.87	1,240	.....	7	13.3	.....	52.6	3.4	3.8	89.5	4.7	2.3	48.9
82.1	83.7	14.47	1,130	.....	6.8	13.4	.....	50.8	3.5	3.7	94.6	4.9	2.2	44.9
(2)	(2)	(2)	(2)	.....	(2)	(2)	.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)
81.9	82.9	14.67	2,370 1,185	.....	13.8 6.9	26.7 13.35	.....	51.7	3.45	3.75	92	4.8	2.25	46.9

Déné (Tribe "Tukkuthkutchin") crania.—Male.

Catalogue No.	Collection.	Locality.	Approximate age of subject. *	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
					18.5	14.6	13.2
243,416.....	R. Kennicott....	Fort McPherson, Peels River, Canada.	Adult.....	.....	18.5	14.6	13.2
'8.....	do.....	do.....	.....	.....	19.1	15.3	13.3
Total.....	.....	.....	.....	.....	(2) 37.6	(2) 29.9	(2) 26.5
Average.....	.....	.....	.....	.....	18.80	14.95	13.25

Hare Indians crania.—Male.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
					18	14.9	13.4
243,996.....	R. Kennicott....	Fort Good Hope, Canada.	Adult.....	.....	18	14.9	13.4

Apache crania.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
					17.8	14.8	12.4
228,362.....	A. H.....	San Carlos Agency, Ariz.	Adult.....	Slight asymmetry.	17.8	14.8	12.4
'3.....	A. H.....	do.....	do.....	.....	17.9	15.2	13.2
'59.....	A. H.....	do.....	do.....	.....	17.8	15.2	13.3
'60.....	A. H.....	do.....	do.....	.....	17.3	14.9	13
225,102.....	Var.....	"Arivapai Apache"	do.....	.....	17.8	14.7	12.8
'076.....	.....	Western Texas.....	do.....	.....	17	14.1	13.2
'094.....	.....	"Mohave Apache"	do.....	.....	17.4	14.5	12.9
243,786.....	.....	Mescalero Agency	do.....	.....	17.6	14.7	13.2
'860.....	.....	"Yuma Apache"	do.....	.....	17.2	14.4	12.4
'871.....	.....	Camp Apache, Ariz.	do.....	Slight asymmetry.	17.8	15.1	12.1
'856.....	.....	"Pinal Apache"	do.....	.....	16.8	14.4	12.8
'876.....	.....	Arivapai.....	do.....	.....	17.8	15.3	13.3
'874.....	.....	Fort Whipple.....	do.....	.....	16.8	14.5	13.2
'857.....	.....	"Pinal Apache"	do.....	.....	16.9	14.8	13
'865.....	.....	Camp Bowie, Ariz.	do.....	Moderate occipital flattening.	(16.8)	(15.5)	(12.8)
Total.....	.....	.....	.....	.....	(14) 243.9	(14) 206.6	(14) 180.8
Average.....	.....	.....	.....	.....	17.42	14.76	12.9

Déné (Tribe "Tukkuthkutchin") crania.—Male.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose, Breadth maxim.	Nasal Index.
78.9	79.8	15.43	1,440	12.4	7.5	15.3	81	49	3.45	4.05	85.2	5.4	2.4	44.4
80.1	77.5	15.90	1,550	12.4	7.5	14.5	85.5	51.7	3.2	4	80	5.5	2.6	47.5
(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
79.5	78.5	15.67	1,495	12.4	7.5	14.9	83.2	50.3	3.32	4.02	82.6	5.45	2.5	45.9

Hare Indians crania.—Male.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose, Breadth maxim.	Nasal Index.
82.8	81.5	15.43	1,700	11.9	7	14.4	82.6	48.6	3.3	4.05	81.5	5.2	2.45	47.1

Apache crania.

MALE.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose, Breadth maxim.	Nasal Index.
83.2	76.1	15	1,410	.....	7.3	13.7	.....	53.2	3.9	3.9	100	5.7	2.5	48.9
84.9	79.8	15.43	1,480	.....	.....	14.3	.....	.....	3.6	3.7	97.3	5.4	3.1	57.4
85.4	80.6	15.43	1,570	11.8	7.3	15.1	78.2	48.3	3.6	3.9	97.4	5.5	2.7	49.1
86.1	80.8	15.07	1,470	11.6	7.2	13.9	83.4	51.8	3.5	3.7	94.6	5.15	2.5	48.6
82.6	78.8	15.10	1,470	11.9	7.5	14.3	83.2	52.4	3.6	4	90	5.4	2.4	44.4
82.6	84.9	14.77	1,310	12.1	7.5	13.5	89.6	55.6	3.5	3.8	92.1	5.3	2.6	49.1
83.3	80.9	14.93	1,430	11.8	7	13.8	85.5	50.7	3.5	3.8	92.1	4.7	2.5	58.2
83.5	81.7	15.17	1,430	10.8	6.7	14.2	76.1	47.2	3.25	3.8	90.8	5	2.7	54
83.7	78.5	14.67	1,280	.....	.....	14.1	.....	.....	3.55	4.05	87.7	4.9	2.5	51
84.8	73.6	15	1,510	.....	7.1	.....	.....	.....	3.3	3.65	90.4	5	2.5	50
85.7	82	14.67	1,310	11.4	7.15	13.9	82	51.4	3.4	4.05	84	5.4	2.8	51.9
86	80.4	15.47	.....	.....	.....	.....	.....	.....	3.5	4.05	86.4	4.6	2.6	56.5
86.5	84	14.83	1,400	.....	7.1	13.5	.....	52.6	3.3	3.7	89.2	5	2.3	46
87.6	82.4	14.90	1,450	10.8	6.65	14.4	75	46.2	3.5	3.9	89.7	4.7	2.6	55.5
.....	.....	15.03	.....	.....	7.1	.....	.....	.....	3.6	3.95	91.1	5.7	2.75	48.2
(14)	(14)	(15)	(13)	(8)	(12)	(12)	(8)	(10)	(15)	(15)	(15)	(15)	(15)	(15)
84.7	80.3	15.03	1,352	11.52	85.6	168.7	81.5	50.9	3.53	3.86	91.5	5.10	2.6	50.4

1Teeth moderately worn.

Apache crania—Continued.

FEMALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
225,100.....	Var.....	Tonto Apache.....	Adult.....		17.3	13.9	12.7
243,868.....		do.....	do.....		17.4	14.6	12.6
225,473.....		Mescalero Apache.....	do.....		16.5	14.4	12.3
101.....		Arivapai.....	do.....		16	14	12.1
243,872.....		"Pinal Apache".....	do.....		15.6	13.8	11.6
785.....		Mescalero Apache.....	do.....	Very slight occipital flattening.	16.6	14.8	13.1
'869.....		Hearilla Apache.....	do.....		15.7	14.4	12.6
Total.....					(7) 115.1	(7) 99.9	(7) 87
Average.....					16.44	14.27	12.43

¹ Occasionally among the Apaches there will occur an oblong cranium of a different type; that is doubtless a result of adoption from some other tribe.

Lipan crania.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
243,485.....	Var.....	Sta. Rosa, Mexico.....	Adult.....		18.6	14.6	12.8
7.....		Southwestern Texas.....	do.....		17.5	14.4	13.4
Total.....					(2) 36.1	(2) 29	(2) 26.2
Average.....					18.05	14.5	13.1

FEMALE.

243,476.....	D. Jackson.....	Southwestern Texas.....	Adult.....		17.3	14.6	12.6
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Apache crania—Continued.

FEMALE.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose, Breadth maxim.	Nasal Index.
80.4	81.4	14.63	1,350	.....	6.4	14	.....	45.7	3.65	3.9	93.6	4.7	2.5	53.2
83.9	78.8	14.87	1,430	.....	5.7	13.2	.....	50.8	3.4	3.8	89.5	4.8	.....	.....
87.3	79.6	14.40	1,190	10.1	6.5	13.6	74.9	47.8	3.2	3.77	84.8	4.7	2.7	57.4
87.5	80.7	14.03	1,280	.....	6.2	12.6	.....	49.2	3.3	3.6	91.7	4.6	2.5	54.4
88.5	78.9	13.67	1,180	.....	6	.....	.....	.....	3.2	3.5	91.4	4.3	2.3	53.5
89.2	83.4	14.83	1,370	10.8	.....	13.8	78.3	.....	3.6	4	90	5.2	2.8	53.8
91.7	83.7	14.23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
(7)	(7)	(7)	(6)	(2)	(5)	(5)	(2)	(4)	(6)	(6)	(6)	(6)	(5)	(6)
86.8	80.9	14.38	7,800	20.9	31.8	67.2	76.3	48.3	20.35	22.57	90.1	28.3	12.8	54.5
.....	.....	.....	1,300	10.45	6.36	13.44	.....	.....	3.39	3.76	.....	4.72	2.56	.....

² Teeth moderately worn.

Lipan crania.

MALE.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose, Breadth maxim.	Nasal Index.
78.5	77.1	15.33	1,510	.....	6.9	13.8	.....	50	3.5	4.2	83.3	5.2	2.5	48.1
82.3	84	15.10	1,500	.....	7.9	14.5	.....	54.5	3.7	4	92.5	5.8	2.9	50
(2)	(2)	(2)	(2)	.....	(2)	(2)	.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)
80.3	80.5	15.22	3,010	14.8	23.3	52.3	7.2	8.2	87.8	11	5.4	49.1
.....	1,505	7.4	14.15	3.6	4.1	5.5	2.7

FEMALE.

84.4	79	14.83	1,470	13.7	3.5	3.9	89.7	5.1	2.7	52.9
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Alaska and Athapascan crania: Summary of measurements.

MALE.

	Aleuts.	Miscella- neous Alaskan.	Tlinkit.	Haida.	Déné.	Hare.	Apache (Arizona and New Mexico).	Lipan (Texas and Mexico).
Number of skulls.....	(25)	(7)	(8)	(2)	(2)	(1)	(15)	(2)
Vault:								
Length.....	18.29	18.33	18.70	17.75	18.80	18	17.42	18.05
Breadth.....	15.06	14.57	14.86	14.90	14.95	14.90	14.76	14.50
Height.....	12.76	13.08	13.86	13.40	13.25	13.40	12.90	13.10
Cranial Index.....	82.3	79.5	79.4	83.9	79.5	82.8	84.7	80.5
Mean Height Index.....	76.6	79.5	82.6	82.1	78.5	81.5	80.3	80.6
Module.....	15.36	15.33	15.77	15.35	15.67	15.43	15.03	15.22
Capacity.....	1,561	1,521	1,610	1,500	1,495	(1,700)	1,425	1,505
Face:								
M.-N. Height.....	12.07	11.70	12.60	12.20	12.40	11.90	11.52	.....
Alv. Pt.-N. Height.....	7.42	7.42	7.87	7.35	7.50	7	7.13	7.40
Alv. Pt.-N. Breadth.....	14.62	14.47	14.36	13.95	14.90	14.40	14.06	14.15
Facial Index:								
Total.....	82.5	83.3	85.8	87.5	85.2	82.6	81.5	.....
Upper.....	60.7	61.7	63.8	62.7	60.3	48.6	60.9	62.5
Orbits:								
Mean height.....	3.61	3.56	3.74	.....	3.32	3.30	3.53	3.60
Mean breadth.....	4.03	4.03	4.02	.....	4.02	4.05	3.86	4.10
Mean Index.....	89.5	88.3	92.9	.....	82.6	81.5	91.5	87.8
Nose:								
Height.....	5.32	5.29	5.5	5.45	5.45	5.20	5.16	5.50
Breadth.....	2.58	2.66	2.6	2.75	2.50	2.45	2.6	2.70
Index.....	48.5	60.3	47	60.5	45.9	47.1	60.4	49.1

FEMALE.

	Aleuts.	Miscella- neous Alaskan.	Tlinkit.	Haida.	Apache.	Lipan.
Number of skulls.....	(28)	(6)	(4)	(2)	(7)	(1)
Vault:						
Length.....	17.40	17.52	17.70	17.10	16.44	17.30
Breadth.....	14.51	14.04	14.35	14	14.27	14.60
Height.....	12.27	13.04	12.50	12.90	12.43	12.60
Cranial Index.....	83.4	80.1	81.1	81.9	86.8	84.4
Mean Height Index.....	76.9	82.6	78	82.9	80.9	79
Module.....	14.73	14.84	14.65	14.67	14.38	14.83
Capacity.....	1,385	1,323	1,338	1,185	1,300	1,470
Face:						
M.-N. Height.....	11.71	11.50	11.55	.....	10.45	.....
Alv. Pt.-N. Height.....	7.12	7.06	6.93	6.90	6.36	.....
Alv. Pt.-N. Breadth.....	13.33	13.08	13.43	13.35	13.44	13.70
Facial Index:						
Total.....	88.5	86.1	86.2	.....	76.3	.....
Upper.....	63.5	64.9	61.6	61.7	48.3	.....
Orbits:						
Mean height.....	3.57	3.57	3.55	3.45	3.39	3.50
Mean breadth.....	3.85	3.77	3.82	3.75	3.76	3.90
Mean Index.....	92.7	94.2	92.8	92	90.1	89.7
Nose:						
Height.....	5.05	5.08	5.04	4.80	4.72	5.10
Breadth.....	2.41	2.43	2.35	2.25	2.56	2.70
Index.....	46	47.3	46.7	46.9	54.5	52.9

NOTES ON THE ALASKAN AND ATHAPASCAN CRANIA.

The results of the measurements of these crania show a number of noteworthy features, which may be briefly pointed out as follows:

1. In their main characteristics there is a high degree of relation in all the Alaska Indian and the Athapascan crania. The groups they represent are clearly all of one and the same basic type, marked, on the average, by higher meso- to brachycephaly, an extraordinarily

low vault, a relatively high cranial size and capacity, a broad face in the males, giving relatively low facial indices, mesoseme to moderately megaseme orbits, and mesorhinic nose.

2. The Aleuts are plainly Indians of the general type prevailing in the peninsula.

3. No marks of distinction exist between the Alaska Indians at large and the Athapascans. The Apache, who are the southernmost branch of the Athapascans, show, however, the highest brachycephaly and also the highest nasal index, of which the latter at least may have been brought about by their present habitat in New Mexico and Arizona.

MONGOLS.

Mongolian crania.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
278,794	A. Hrdlička	Urga, Mongolia	Adult		19.8	14.6	13.0
278,782	do	do	do		19.3	14.3	13.9
278,772	do	do	do		18.8	14.2	12.0
278,783	do	do	do		19.2	14.5	13.2
278,768	do	do	do		19.3	14.6	13.6
278,914	do	do	do		18.4	14.1	13.3
278,791	do	do	do		18.6	14.3	12.6
278,793	do	do	do		18.7	14.4	12.3
278,769	do	do	do		19.2	14.8	13.4
278,777	do	do	do		19.2	14.8	13.0
278,781	do	do	do		18.1	14	13.1
278,856	do	do	do		19.4	15.0	12.8
278,860	do	do	do		19.6	15.2	13.0
278,870	do	do	do		19.6	15.2	13.7
278,775	do	do	do		18.8	14.6	14.0
278,798	do	do	do		18.5	14.4	11.8
278,896	do	do	do		18.3	14.3	13.2
278,848	do	do	do		18.3	14.3	13.6
278,833	do	do	do	Moderate flat-head deformation.	18.4	14.4	13.2
278,789	do	do	do		18.6	14.6	13.1
278,865	do	do	do	Very slight asymmetry.	19.1	15.0	13.6
278,802	do	do	do		17.8	14.0	12.0
278,841	do	do	do		18.2	14.3	12.2
278,736	do	do	do		18.8	14.8	13.4
278,924	do	do	do	Moderate asymmetry.	18.8	14.8	13.4
278,876	do	do	do		17.9	14.1	13.4
278,776	do	do	do		18.5	14.6	12.8
278,829	do	do	do		18.5	14.6	13.0
278,873	do	do	do	Very slight asymmetry.	19.0	15.0	14.0
278,803	do	do	do		18.2	14.4	12.5
278,809	do	do	do		18.7	14.8	13.6
278,899	do	do	do		18.4	14.6	13.4
278,883	do	do	do		18.5	14.7	13.4
278,886	do	do	do		18.5	14.7	12.7
278,843	do	do	do		19.1	15.2	13.3
278,796	do	do	do		18.6	14.8	13.7
278,820	do	do	do		19.2	15.3	13.4
278,828	do	do	do		18.3	14.6	13.2
278,889	do	do	do		18.8	15.0	13.2
278,900	do	do	do		18.3	14.6	13.2
278,916	do	do	do		17.9	14.3	12.8
278,785	do	do	do		19.0	15.2	13.9
278,808	do	do	do		19.0	15.2	14.2
278,907	do	do	do		18.0	14.4	12.8
278,790	do	do	do		19.1	15.3	14.0
278,888	do	do	do		19.2	15.4	13.5
278,872	do	do	do		18.2	14.6	13.0
278,852	do	do	do		18.5	14.9	13.5
278,842	do	do	do	Slight asymmetry.	19.1	15.4	12.6
278,915	do	do	do		18.6	15.0	13.2
278,927	do	do	do	Syphilis.	18.6	15.0	13.3
278,830	do	do	do		17.8	14.4	12.5
278,877	do	do	do		17.8	14.4	13.1
278,854	do	do	do		17.6	14.3	13.2
278,857	do	do	do	Very slight occipital compression.	18.6	15.1	12.7
278,745	do	do	do		17.2	14.0	13.4
278,822	do	do	do		19.4	15.8	12.9
278,906	do	do	do	Slight asymmetry.	19.6	16.0	13.4
278,862	do	do	do		17.9	14.6	13.3

MONGOLS.

Mongolian crania.

MALE.

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 (a×100/c)	Facial Index, upper (b×100/c)	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, Height.	Nose, Breadth maxim.	Nasal Index.
73.7	75.6	15.80	1,680	.....	7.5	14.6	51.4	3.75	4.1	91.5	5.7	3.0	52.7	
74.1	82.7	15.83	1,520	13.7	8.3	14.0	97.9	59.3	3.6	3.75	96.0	6.0	2.4	40
75.5	72.7	15.00	1,550	12.6	7.8	.....	.....	.....	8.75	4.1	91.5	5.7	2.5	47.5
75.5	78.3	15.63	1,550	.....	7.8	13.8	.....	56.5	3.4	4.05	84	5.9	2.8	47.5
75.7	80.7	15.83	1,730	.....	.....	13.6	.....	.....	3.65	3.9	93.6	5.6	2.5	44.6
76.6	81.8	15.27	1,430	.....	6.7	14.0	.....	47.9	3.0	3.75	80.0	5.3	2.9	64.7
76.9	76.6	15.17	1,500	.....	8.0	13.8	.....	58	3.5	3.85	90.9	5.7	2.7	47.4
77	74.3	15.13	1,500	.....	.....	.....	.....	.....	3.55	3.75	94.7	5.8	2.7	46.6
77.1	78.8	15.80	1,630	.....	.....	14.3	.....	.....	3.55	3.8	93.4	5.5	2.9	52.7
77.1	76.5	15.67	1,610	12.6	7.1	14.8	85.1	48.0	3.85	4.15	92.8	5.9	2.9	49.2
77.3	81.6	15.07	1,450	.....	7.9	13.9	.....	56.8	3.55	3.85	92.2	5.8	2.7	46.6
77.3	74.4	15.73	1,560	13.1	7.8	14.3	91.6	54.5	3.4	3.7	91.9	5.7	2.4	42.1
77.6	74.7	15.93	1,620	.....	8.1	14.1	.....	57.5	3.7	4.0	92.5	5.8	2.8	48.3
77.6	78.7	16.17	1,750	.....	8.4	15.1	.....	55.6	3.5	4.1	85.4	6.2	2.8	45.2
77.7	83.8	16.03	1,740	.....	8.5	13.6	.....	62.5	3.9	3.8	102.6	5.9	2.5	42.4
77.8	71.7	14.90	1,500	.....	7.4	13.7	.....	54	3.35	3.75	89.3	5.4	2.6	48.2
78.1	81.1	15.27	1,500	.....	8.0	14.5	.....	55.2	3.55	3.6	98.6	5.9	2.8	47.5
78.1	83.4	15.40	1,530	12.5	7.6	14.0	89.3	54.3	3.35	3.85	87.0	5.5	2.7	49.1
78.3	80.5	15.33	1,480	.....	7.3	11.2	.....	51.4	3.65	4.15	88	5.3	2.7	50.9
78.5	78.9	15.43	1,510	12.4	7.8	14.3	86.7	54.5	3.5	4.0	87.5	5.8	2.9	50
78.5	79.8	15.90	1,770	.....	7.9	14.1	.....	56	3.75	4.0	93.8	5.9	2.6	44.1
78.6	75.5	14.60	1,330	11.9	.....	13.2	90.2	.....	3.4	3.85	88.3	5.4	3.0	55.6
78.6	75.1	14.90	1,340	.....	.....	.....	.....	.....	3.6	4.1	87.8	5.1	2.8	54.9
78.7	79.8	15.67	1,620	.....	.....	14.6	.....	.....	3.7	4.0	92.5	6.1	2.7	44.3
78.7	79.8	15.67	1,650	.....	6.5	13.8	.....	47.1	3.2	3.65	87.7	5.0	2.7	54
78.8	83.8	15.13	1,410	.....	.....	.....	.....	.....	3.4	3.55	95.8	5.4	2.8	51.8
78.9	77.8	15.30	1,550	13.6	8.0	14.6	93.2	54.8	3.7	4.0	92.5	5.9	3.0	50.8
78.9	78.6	15.37	1,430	.....	8.0	14.5	.....	55.1	3.45	4.05	85.2	5.8	2.8	48.3
79	82.4	16.00	1,720	.....	.....	14.2	.....	.....	3.8	4.1	92.7	5.7	2.9	50.9
79.1	76.7	15.03	1,500	.....	.....	13.9	.....	.....	3.7	4.0	92.5	5.8	2.8	48.3
79.1	81.2	15.70	1,600	.....	8.1	15.5	.....	52.8	3.65	3.9	93.6	6.1	2.9	47.5
79.4	81.2	15.47	1,500	.....	8.3	14.8	.....	56.1	.....	.....	.....	6.0	2.7	45
79.5	80.7	15.53	1,620	.....	7.6	14.6	.....	52.1	3.7	3.7	100	6.0	3.0	50
79.5	76.5	15.30	1,450	.....	.....	14.5	.....	.....	.....	.....	.....	6.0	3.0	50
79.6	77.6	15.87	1,480	11.5	7.8	14.7	78.2	53.1	3.35	3.9	85.9	6.0	3.0	50
79.6	82.0	15.70	1,610	12.5	.....	14.2	88.0	.....	3.6	4.0	90	5.6	3.0	53.6
79.7	77.7	15.97	1,710	.....	7.3	14.6	.....	50	3.7	4.0	92.5	5.4	2.9	53.7
79.8	80.2	15.37	1,510	.....	.....	13.7	.....	.....	3.25	3.75	86.7	5.3	3.1	58.5
79.8	78.1	15.67	1,580	.....	7.6	14.7	.....	51.7	3.4	3.95	86.1	5.6	2.5	44.6
79.8	82.2	15.37	1,480	.....	7.9	13.9	.....	56.8	3.7	3.7	100	5.8	2.5	43.1
79.9	79.5	14.67	1,460	.....	7.4	14.3	.....	51.7	3.4	3.8	89.6	5.5	2.7	49.1
80	81.3	16.03	1,740	.....	8.3	.....	.....	.....	3.75	4.1	91.5	6.2	3.0	48.4
80	83.0	16.13	1,680	12.8	7.5	14.8	86.5	50.7	3.5	3.8	92.1	5.5	2.5	45.4
80	79.0	15.07	1,500	.....	7.6	13.7	.....	55.5	3.6	4.0	90	6.0	2.8	46.7
80.1	81.4	16.13	1,650	.....	8.4	14.8	.....	56.8	4.0	3.9	102.6	6.0	2.6	43.3
80.2	78.0	16.03	(1,825)	.....	8.1	14.4	.....	56.2	3.9	3.8	102.6	5.6	2.6	46.4
80.2	79.3	15.27	1,500	.....	.....	14.1	.....	.....	3.55	4.0	88.8	5.6	3.0	53.6
80.5	80.8	15.63	1,670	13.9	8.4	14.0	99.3	60	4.05	4.1	98.8	5.8	2.9	50
80.6	73.0	15.70	1,450	.....	.....	14.5	.....	.....	3.3	3.75	88.0	6.0	2.8	46.7
80.6	78.6	15.90	1,630	.....	8.0	13.4	.....	59.7	3.75	4.0	93.8	5.6	2.6	46.4
80.6	79.2	15.63	1,510	.....	8.1	14.3	.....	56.6	3.7	4.1	90.2	6.2	2.9	46.8
80.9	77.6	14.90	1,410	12.0	7.4	14.0	85.7	52.9	3.45	3.75	92	.....	2.7	.....
80.9	81.4	15.10	1,620	.....	.....	14.2	.....	.....	3.9	3.9	100	4.9	2.5	61.0
81.2	82.8	15.03	1,470	12.2	7.3	13.9	87.8	52.5	3.5	3.85	90.9	5.4	2.8	51.8
81.2	75.4	15.47	1,660	.....	7.8	13.5	.....	57.8	3.45	4.0	86.2	5.6	2.9	51.8
81.4	85.9	14.87	1,440	.....	7.2	13.4	.....	53.7	3.35	3.9	85.9	5.4	2.7	50
81.4	73.3	16.03	1,660	.....	8.3	15.0	.....	55.3	3.95	4.1	96.3	5.9	3.0	50.8
81.6	75.3	16.33	1,690	.....	8.9	.....	.....	.....	4.15	4.2	98.8	6.5	2.7	41.5
81.6	81.8	15.27	1,485	.....	7.6	13.6	.....	55.9	3.25	3.65	94.6	5.8	2.6	44.8

Mongolian crania—Continued.

MALE—Continued.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
278,863	A. Hrdlička	Urga, Mongolia	Adult		17.4	14.2	12.3
278,847	do	do	do		18.6	15.2	13.1
278,879	do	do	do		18.6	15.2	12.2
278,821	do	do	do		18.7	15.3	13.9
278,910	do	do	do		19.2	15.7	13.1
278,894	do	do	do		19.4	15.9	13.4
278,743	do	do	do		19.0	15.6	13.1
278,832	do	do	do		17.3	14.2	12.8
278,827	do	do	do		17.6	14.5	12.2
278,880	do	do	do		18.2	15.0	12.8
278,855	do	do	do		18.3	15.1	13.3
			Very near adult.				
278,890	do	do	Adult		17.7	14.6	12.9
278,901	do	do	do		19.0	15.7	13.6
278,902	do	do	do		18.4	15.2	14.4
278,853	do	do	do		18.0	14.9	12.9
278,866	do	do	do		18.0	14.9	13.8
278,835	do	do	do		18.8	15.6	11.5
278,759	do	do	do		17.9	14.9	12.8
278,844	do	do	do		17.8	14.8	12.7
278,786	do	do	do		17.8	14.8	13.2
278,891	do	do	do		18.0	15.0	12.1
278,744	do	do	do		19.3	16.1	13.3
278,747	do	do	do		18.6	15.5	13.4
278,859	do	do	do	Near senile	18.2	15.2	13.0
278,861	do	do	do	Adult	19.4	16.2	13.4
278,878	do	do	do		17.6	14.7	13.2
278,917	do	do	do		17.8	14.9	12.8
278,816	do	do	do		18.1	15.2	13.0
				Very slight asymmetry.			
278,811	do	do	do		18.3	15.4	12.7
278,732	do	do	do		18.1	15.3	12.6
278,875	do	do	do		18.7	15.8	13.6
278,758	do	do	do		17.5	14.8	12.8
				Slight asymmetry.			
278,834	do	do	do		17.7	15.0	13.3
				Very slight asymmetry.			
278,757	do	do	do		18.4	15.6	13.8
278,748	do	do	do		18.6	15.8	13.8
278,767	do	do	do		18.0	15.3	13.3
278,845	do	do	do		17.4	14.8	12.7
				Very slight asymmetry.			
278,729	do	do	do		18.3	15.6	13.1
278,735	do	do	do		18.3	15.6	13.2
				Very slight asymmetry.			
278,884	do	do	do		18.6	15.9	13.1
278,754	do	do	do		18.0	15.4	13.1
278,755	do	do	do		18.2	15.6	12.9
278,849	do	do	do		17.7	15.2	13.4
278,805	do	do	do		18.5	16.0	13.1
278,760	do	do	do		18.6	16.1	13.2
278,887	do	do	do		18.0	15.6	13.2
278,725	do	do	do		(17.5)	(15.2)	(13.2)
				Moderate occipital compression.			
278,723	do	do	do		18.5	16.1	13.2
278,741	do	do	do		18.4	16.0	12.4
278,731	do	do	do		18.2	15.9	12.9
278,814	do	do	do		18.2	15.9	13.0
278,722	do	do	do		17.6	15.4	13.4
278,740	do	do	do		17.2	15.1	13.8
278,724	do	do	do		17.4	15.4	12.0
278,751	do	do	do		17.3	15.9	13.0
Total	do				(113)	(113)	(111)
Average	do				2,082.8	1,696.4	1,454.3
					18.40	15.01	13.10

Mongolian crania—Continued.

MALE—Continued.

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 maxill. (c).	Facial Index, total $\left(\frac{a \times 100}{c}\right)$	Facial Index, upper $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, height.	Nose Breadth, maxill.	Nasal Index.
81.6	77.8	14.63	1,370	.....	.....	13.2	.....	53.5	3.4	3.65	93.2	5.5	2.7	49.1
81.7	77.5	15.63	1,565	.....	7.6	14.2	.....	.....	3.4	3.75	90.7	5.6	2.8	50
81.7	72.2	15.33	1,450	.....	.....	14.6	.....	.....	3.75	4.2	89.3	5.9	2.7	45.8
81.8	81.8	15.97	(1,800)	.....	6.9	13.9	.....	49.6	3.25	3.6	90.3	5.15	2.8	54.4
81.8	75.1	16.00	1,730	.....	8.0	14.7	.....	54.4	3.75	4.3	87.3	5.9	3.0	60.8
82	75.9	16.23	1,760	.....	.....	.....	.....	.....	.....	.....	.....	5.8	3.0	51.7
82.1	75.7	15.90	1,630	13.3	8.1	.....	.....	.....	3.7	4.1	90.2	6.0	3.0	60
82.1	81.3	14.77	1,390	11.6	7.2	12.7	91.3	56.6	3.4	3.8	89.5	5.3	2.2	41.5
82.4	76.0	14.77	(1,315)	12.3	7.4	13.8	89.1	53.6	3.45	3.8	90.8	5.3	2.7	50.9
82.4	77.1	15.33	1,530	.....	.....	14.7	.....	.....	3.8	4.0	95	5.7	2.8	49.1
82.5	79.6	15.57	1,660	12.1	7.6	13.2	91.7	57.6	3.7	3.72	99.5	5.7	2.7	47.4
82.5	79.9	15.07	1,480	.....	7.4	13.7	.....	54.0	3.7	4.0	92.5	5.6	2.5	44.6
82.6	78.4	16.10	1,700	.....	8.1	14.1	.....	57.5	3.6	4.0	90	5.7	3.1	54.4
82.6	85.7	16.00	1,690	.....	7.6	14.3	.....	53.2	3.95	4.25	92.9	5.6	2.8	50
82.8	78.4	15.27	1,640	.....	7.1	13.4	.....	53.0	3.6	3.7	97.3	5.3	2.4	45.3
82.8	83.9	15.57	1,650	.....	.....	13.7	.....	.....	3.3	3.6	91.7	4.8	2.6	54.2
83	66.9	15.30	1,600	12.7	8.0	14.8	88.8	54.1	4.0	4.25	94.1	5.7	2.8	49.1
83.2	78.0	15.20	1,450	.....	.....	.....	.....	.....	3.7	3.9	94.9	5.3	2.6	49.1
83.2	77.9	15.10	1,515	.....	6.6	13.7	.....	48.2	3.3	3.7	89.2	5.1	2.8	54.9
83.2	81.0	15.27	1,530	12.1	7.6	14.4	84	52.8	3.7	3.9	94.9	5.3	2.6	49.1
83.3	73.3	15.03	1,570	.....	8.0	14.0	.....	57.2	3.5	3.85	90.9	5.7	2.7	47.4
83.4	75.1	16.23	1,650	.....	.....	.....	.....	.....	3.8	4.25	87.4	5.6	2.8	50
83.4	78.6	15.83	1,630	.....	.....	15.3	.....	.....	3.8	4.35	89.4	5.9	3.0	50.8
83.5	77.8	15.47	1,550	.....	8.1	14.3	.....	56.6	3.4	3.85	88.4	5.9	2.7	45.8
83.5	75.3	16.33	1,690	.....	8.6	15.5	.....	55.5	3.35	4.1	81.7	6.3	3.2	50.8
83.5	81.7	15.17	1,440	.....	.....	14.0	.....	.....	3.3	3.95	83.6	5.0	2.7	54
83.7	78.3	15.17	1,550	.....	7.5	14.3	.....	52.4	3.5	3.8	92.1	5.7	2.9	50.9
84.0	78.1	15.43	1,590	12.6	7.6	13.9	90.6	54.7	3.3	3.65	90.4	5.6	.....	.....
84.2	75.4	15.47	1,540	13.3	8.3	14.1	94.3	58.8	3.6	4.0	90	6.1	2.4	39.3
84.5	75.4	15.33	1,500	.....	8.8	14.4	.....	61.1	3.7	4.0	92.5	6.0	3.0	50
84.5	78.8	16.03	1,740	.....	.....	.....	.....	.....	3.55	3.7	95.9	5.6	2.7	48.2
84.6	79.3	15.03	1,520	.....	.....	.....	.....	.....	3.45	3.7	93.2	5.6	2.8	50
84.7	81.4	15.33	1,540	12.3	7.5	14.2	86.6	52.8	3.6	3.9	92.3	5.6	2.6	46.4
84.8	.....	.....	1,560	.....	.....	15.1	.....	.....	3.55	4.0	88.8	6.0	3.0	50
84.9	80.2	16.07	1,620	.....	8.5	15.1	.....	56.3	3.85	4.1	93.9	5.9	2.8	47.5
85.0	79.9	15.53	1,620	.....	7.9	14.2	.....	55.6	3.85	4.0	96.2	5.4	2.6	43.2
85.1	78.9	14.97	1,345	.....	.....	13.9	.....	.....	3.6	3.9	92.3	5.6	2.8	50
85.2	77.8	15.67	1,590	12.6	.....	14.7	85.7	.....	3.5	4.1	85.4	5.2	2.8	53.8
85.2	77.9	15.70	1,620	.....	.....	14.0	.....	.....	3.55	3.85	92.2	5.5	2.6	47.3
85.5	75.9	15.87	1,710	.....	7.6	13.9	.....	54.7	3.45	4.0	86.2	5.6	2.5	44.6
85.6	78.4	15.50	1,530	13.6	.....	14.3	95.1	.....	3.85	4.15	92.4	5.7	2.7	47.4
85.7	76.3	15.57	1,620	.....	.....	13.9	.....	.....	3.55	3.95	89.9	5.5	2.6	47.3
85.9	81.5	15.43	1,550	12.6	7.7	14.3	88.1	53.8	3.7	3.75	48.7	5.8	2.6	44.8
86.5	75.9	15.87	1,685	.....	.....	14.9	.....	.....	3.8	4.2	90.6	6.0	2.7	45
86.6	.....	.....	1,750	.....	8.7	15.5	.....	.....	3.85	4.5	85.6	6.2	2.9	46.8
86.7	78.6	15.60	1,740	.....	8.1	14.6	.....	55.5	3.8	4.2	90.6	5.9	2.5	42.4
(86.9)	(80.7)	15.30	1,660	12.0	7.0	14.2	84.5	49.3	3.5	3.9	89.7	4.8	2.7	56.2
87.0	76.3	15.93	1,810	.....	7.8	15.4	.....	50.6	3.7	4.2	88.1	5.3	3.0	53.6
87.0	72.1	15.60	1,545	.....	7.4	14.3	.....	51.8	3.75	4.2	89.3	5.4	2.7	50
87.4	75.7	15.67	1,610	.....	7.2	.....	.....	.....	3.6	4.0	90	5.5	2.9	52.7
87.4	76.2	15.70	1,640	.....	.....	14.4	.....	.....	3.5	3.9	89.7	5.5	3.0	54.2
87.6	81.2	15.47	1,530	.....	8.2	14.2	.....	57.8	3.8	3.9	97.4	6.0	2.9	48.3
87.8	85.4	15.37	1,570	12.4	7.5	13.9	89.2	54.0	3.35	3.8	88.2	5.5	2.5	46.4
88.5	73.2	14.93	1,550	12.1	7.3	14.4	84.0	50.7	3.7	4.0	92.5	5.6	2.5	44.6
91.9	78.3	15.40	1,660	.....	.....	14.5	.....	.....	3.7	4.0	92.5	6.0	2.7	45
(115)	(111)	(114)	(112)	(29)	(79)	(102)	(27)	(74)	(112)	(112)	(112)	(114)	(114)	(114)
81.4	78.4	15.51	17,617	364.9	613.8	1,451.1	88.8	54.5	402.95	440.52	91.5	5.66	2.75	48.6
			1,753	12.58	7.76	14.20			3.59	3.93				

Mongolian crania—Continued.

FEMALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
278,913		Urga, Mongolia	Adult		18.2	13.6	12.5
278,779		do.	do.		17.8	13.4	12.4
278,797		do.	do.		17.5	13.2	12.4
278,776		do.	do.		18.5	14.0	12.0
278,778		do.	do.		17.7	13.4	12.6
278,800		do.	do.		18.2	13.8	13.0
278,787		do.	do.	Very slight asymmetry.	18.1	14.0	13.0
278,795		do.	do.		18.6	14.4	13.5
278,792		do.	do.	Very slight asymmetry.	17.6	13.7	12.4
278,773		do.	do.		18.6	14.5	12.8
278,788		do.	do.		17.5	13.7	12.4
278,784		do.	do.		18.1	14.2	13.0
278,804		do.	do.		18.4	14.5	13.2
278,909		do.	do.		18.1	14.3	12.4
278,801		do.	do.		17.7	14.0	12.6
278,926		do.	do.		17.7	14.0	12.4
278,825		do.	do.		17.9	14.2	12.5
278,851		do.	do.		18.2	14.5	13.0
278,885		do.	do.		16.8	13.4	11.7
278,903		do.	do.		17.3	13.8	12.3
278,799		do.	do.		17.4	13.9	12.5
278,839		do.	do.		17.9	14.4	12.0
278,815		do.	do.		18.0	14.5	12.7
278,838		do.	do.	Slight asymmetry.	17.3	14.0	12.0
278,807		do.	do.		16.3	13.2	11.8
278,823		do.	do.		17.0	13.8	12.2
278,824		do.	do.	Marked occipital compression.	(17.6)	(14.3)	(12.8)
278,846		do.	do.		18.2	14.8	12.7
278,869		do.	do.		16.7	13.6	11.8
278,893		do.	do.		17.2	14.0	11.8
278,868		do.	do.		17.5	14.3	13.0
278,906		do.	do.		17.8	14.6	12.2
278,810		do.	do.		16.8	13.8	13.1
278,840		do.	do.	Very slight asymmetry.	17.9	14.7	12.7
278,864		do.	do.		17.5	14.4	12.6
278,739		do.	do.	Very slight occipital compression.	17.0	14.0	12.8
278,874		do.	do.		17.0	14.0	12.8
278,904		do.	do.		17.6	14.5	13.0
278,911		do.	Very near adult.		17.7	14.6	13.2
278,813		do.	Adult		17.3	14.3	12.4
278,826		do.	do.		18.1	15.0	13.0
278,730		do.	do.		17.7	14.7	12.9
278,836		do.	do.		17.4	14.5	12.1
278,850		do.	do.	Very slight asymmetry.	18.0	15.0	12.6
278,881		do.	do.		16.8	14.0	12.1
278,812		do.	do.		17.8	14.2	12.3
278,817		do.	do.		17.0	14.2	12.5
278,867		do.	do.		16.8	14.1	13.0
278,882		do.	do.		17.4	14.6	12.1
278,721		do.	do.		18.0	15.1	12.8
278,720		do.	do.		17.4	14.6	12.2
278,728		do.	do.	Very slight occipital compression.	17.0	14.3	12.6
278,737		do.	do.	do.	16.7	14.1	12.8
278,831		do.	do.		16.8	14.2	13.2
278,871		do.	do.		17.4	14.7	12.4
278,892		do.	do.		16.8	14.2	12.5
278,898		do.	do.		16.1	13.6	12.6
278,746		do.	do.		16.6	14.1	12.1

Mongolian crania—Continued.

FEMALE.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose Height.	Nose Breadth, maxim.	Nasal Index.
74.7	78.6	14.77	1,450	.....	7.0	13.0	.....	53.9	3.5	3.65	95.9	5.0	2.3	46
75.2	79.5	14.53	1,250	11.7	6.9	12.5	93.6	55.2	3.6	3.8	94.7	5.3	2.7	50.9
75.4	80.8	14.33	1,310	11.3	6.9	12.9	87.6	53.5	3.45	3.6	95.8	5.0	2.7	51
76.7	73.8	14.83	1,510	.....	.....	13.4	.....	.....	3.8	3.9	97.4	5.4	2.4	44.4
76.7	81.0	14.57	1,450	10.9	6.8	12.7	85.8	53.5	3.45	3.5	98.6	5.2	2.4	46.2
75.8	81.2	15.00	1,480	.....	7.3	13.6	.....	53.6	3.4	3.9	87.2	5.2	2.8	53.8
77.4	81.0	15.03	1,470	.....	.....	13.3	.....	.....	3.4	3.5	97.1	4.9	2.5	51
77.4	81.8	15.17	1,550	.....	7.8	13.0	.....	60	3.65	3.75	97.5	5.4	2.7	50
77.8	79.2	14.57	1,310	.....	7.3	13.0	.....	56.2	3.8	4.0	95.0	5.3	2.5	47.2
78.0	77.5	15.30	1,480	.....	.....	.....	.....	.....	3.4	3.9	87.2	5.0	2.9	58
78.5	79.5	14.53	1,410	10.9	6.9	12.7	85.8	54.4	3.75	3.8	98.7	5.1	2.4	47.1
78.4	80.5	15.10	1,385	11.2	6.7	13.2	84.8	50.8	3.45	3.8	90.8	5.2	2.7	51.9
78.8	80.2	15.37	.....	.....	.....	.....	.....	.....	3.65	3.85	94.8	5.4	2.4	44.4
79	76.5	14.93	1,420	.....	6.9	.....	.....	.....	3.60	3.95	91.2	5.2	2.6	50
79.1	79.5	14.77	1,410	11.7	7.3	13.1	89.5	55.7	3.6	3.65	98.6	5.0	2.3	46
79.1	78.2	14.70	1,470	11.2	6.8	13.0	86.2	52.5	3.6	3.8	94.7	5.2	.....	.....
79.3	77.9	14.87	1,460	.....	7.2	13.1	.....	55.0	3.2	3.7	86.5	5.6	2.4	42.9
79.7	79.5	15.23	1,450	11.7	7.3	13.1	89.5	55.7	3.4	3.85	88.5	5.1	2.6	51
79.8	77.5	13.97	1,260	.....	.....	.....	.....	.....	3.8	3.8	100	.....	.....	.....
79.8	79.1	14.47	1,170	.....	6.4	13.6	.....	47.1	3.2	3.7	85.5	4.6	2.5	54.4
79.9	79.9	14.60	1,350	.....	6.4	12.7	.....	50.4	3.3	3.7	89.2	4.9	2.7	55.1
80.4	74.5	14.77	1,345	.....	6.6	13.4	.....	49.2	3.65	3.6	98.6	5.1	3.0	58.8
80.6	78.2	15.07	1,500	12.5	7.3	12.7	98.4	57.6	3.45	3.5	98.6	5.2	2.7	51.9
80.9	76.7	14.43	1,335	.....	12.0	12.8	86.7	52.5	3.62	3.75	96.7	5.0	2.5	50
81.0	80.0	13.77	1,170	.....	6.8	12.3	.....	55.3	3.6	3.7	97.5	4.9	2.3	46.9
81.2	79.2	14.33	1,300	.....	7.4	14.0	.....	52.9	3.35	3.85	87.0	5.6	2.6	46.4
(81.2)	(80.2)	14.90	1,405	.....	6.8	12.8	.....	53.1	3.3	3.65	90.4	5.2	2.6	50
81.5	77.0	15.23	1,540	11.6	7.0	13.3	87.2	52.6	3.2	3.6	88.9	5.2	2.8	53.8
81.4	77.9	14.03	1,240	.....	.....	12.9	.....	.....	3.7	3.9	94.9	5.1	2.7	52.9
81.4	75.6	14.33	1,260	.....	7.3	13.0	.....	56.2	3.7	3.6	102.8	5.3	2.9	54.7
81.7	81.8	14.93	1,395	.....	.....	12.8	.....	.....	3.45	3.9	88.5	4.9	2.9	59.2
82.0	75.3	14.87	1,499	.....	6.8	12.7	.....	53.5	3.4	3.65	93.2	5.1	2.7	52.9
82.1	85.6	14.57	1,360	.....	.....	13.0	.....	.....	3.4	3.7	91.9	5.0	2.7	54
82.1	77.9	15.10	1,590	12.3	7.5	13.7	89.8	54.7	3.15	3.75	84	5.4	2.5	46.3
82.3	79.0	14.83	1,345	.....	7.4	14.0	.....	52.9	3.55	4.0	88.8	5.3	2.5	47.2
82.4	82.6	14.60	1,400	.....	7.1	13.0	.....	54.6	3.3	3.7	89.2	5.2	2.3	44.2
82.4	82.6	14.60	1,290	.....	6.7	13.2	.....	50.7	3.45	3.8	90.8	5.0	2.9	58
82.4	81.0	15.03	1,470	.....	7.0	13.2	.....	53.0	3.3	3.7	89.2	4.8	2.3	47.9
82.5	81.7	15.17	1,540	.....	7.3	13.6	.....	53.7	3.6	3.7	97.3	5.2	2.5	48.1
82.7	78.5	14.67	1,390	10.9	6.6	12.8	85.2	51.5	.....	.....	.....	.....	.....	.....
82.9	78.6	15.37	1,630	12.0	.....	14.1	85.1	.....	3.8	4.0	95.0	5.3	2.7	50.9
83	79.6	15.10	1,590	12.0	7.4	12.7	94.5	58.3	3.7	3.8	97.4	5.0	2.3	41.8
83.5	75.8	14.67	1,420	10.9	6.6	13.0	83.9	50.8	3.45	3.9	88.5	4.9	2.5	51
83.5	76.4	15.20	1,570	.....	7.5	13.8	.....	54.4	3.4	3.8	89.5	5.8	2.7	46.6
83.5	78.6	14.30	1,330	.....	7.2	12.8	.....	56.2	3.3	3.5	94.5	5.3	2.7	50.9
83.5	78.8	14.50	1,330	11.7	7.3	12.7	92.1	57.5	3.4	3.65	93.2	5.0	2.5	46.9
83.5	80.1	14.57	1,410	10.9	6.5	13.0	83.8	50	3.55	3.65	97.3	4.9	2.3	46.9
83.9	84.1	14.63	1,370	.....	6.7	13.8	.....	48.6	3.4	3.7	91.9	5.3	2.5	47.2
83.9	75.6	14.70	1,450	.....	7.1	13.3	.....	53.4	3.6	3.85	93.5	5.2	2.4	46.2
83.9	77.3	15.30	1,620	.....	7.0	13.7	.....	51.1	3.7	4.2	88.1	5.0	2.5	50
83.9	76.2	14.73	1,340	11.5	7.0	13.8	83.5	50.7	3.2	3.8	84.2	5.3	2.6	49.1
84.1	80.5	14.63	1,240	.....	.....	.....	.....	.....	3.4	3.85	88.5	5.2	2.6	50
84.4	83.1	14.53	1,400	10.4	6.4	12.4	83.9	51.6	3.3	3.75	88.0	5.0	2.5	50
84.5	85.2	14.73	1,450	11.7	7.2	.....	.....	.....	3.45	3.6	95.8	5.3	2.7	50.9
84.5	77.3	14.83	1,520	.....	6.5	13.3	.....	48.9	3.4	3.45	98.6	5.1	2.7	52.9
84.5	80.6	14.50	1,260	.....	6.4	13.4	.....	47.8	2.95	3.5	84.5	4.8	2.6	54.2
84.5	84.8	14.10	1,240	.....	7.3	12.5	.....	58.4	3.6	3.7	97.3	5.5	2.6	47.3
84.9	78.8	14.27	1,370	11.4	6.8	12.7	89.8	53.5	3.75	3.7	101.4	5.0	2.5	50

Mongolian crania—Continued.

FEMALE—Continued.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
					(17.2)	(14.6)	(12.6)
278,908.....	Urga, Mongolia ..	Adult.....	Moderate occipital compression.	(17.2)	(14.6)	(12.6)
278,726.....	do.....	do.....	.....	16.8	14.3	12.6
278,897.....	do.....	do.....	.....	17.2	14.7	13.3
278,733.....	do.....	do.....	.....	16.2	13.9	12.7
278,819.....	do.....	do.....	.....	17.7	15.2	12.2
278,727.....	do.....	do.....	.....	17.3	14.9	12.0
278,742.....	do.....	do.....	.....	17.4	15.0	12.6
278,749.....	do.....	do.....	.....	16.5	14.3	12.3
278,750.....	do.....	do.....	.....	16.5	14.4	12.5
278,738.....	do.....	do.....	.....	16.6	14.7	12.3
278,858.....	do.....	do.....	.....	17.4	15.4	11.8
278,764.....	do.....	Very near adult.	.....	16.5	14.7	13.0
278,752.....	do.....	Adult.....	Slight occipital compression.	16.8	15.1	12.0
278,762.....	do.....	do.....	.....	17.2	15.5	12.4
278,753.....	do.....	do.....	Very slight asymmetry.	16.5	15.0	12.6
278,763.....	do.....	do.....	Slight occipital compression.	16.7	15.2	13.0
278,925.....	do.....	do.....	.....	16.5	15.4	12.0
Total.....	(73)	(73)	(73)
Average.....	1,267.4	1,044.9	914.5
.....	17.36	14.51	12.53

Buriats: Siberian crania.

MALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
					(19)	(19)	(18)
283,616.....	A. Hrdlička.....	Kiahta, Orkhon River.	Adult.....	Slight asymmetry.	18.7	14.0	13.3
283,607.....	do.....	.....	18.6	14.2	12.9
283,614.....	do.....	.....	18.4	14.2	13.7
283,606.....	do.....	.....	18.0	13.9	13.0
283,620.....	do.....	.....	19.0	15.0	13.1
278,707.....	do.....	.....	17.9	14.4	13.2
283,608.....	do.....	.....	18.0	14.5	12.8
278,716.....	do.....	.....	18.4	15.2	12.8
283,613.....	do.....	.....	18.2	15.3	13.8
278,701.....	do.....	.....	17.7	14.9	13.6
283,615.....	do.....	.....	17.3	14.6	12.9
283,604.....	do.....	.....	18.0	15.2	12.9
283,621.....	do.....	.....	17.6	14.9	.....
278,705.....	do.....	.....	18.1	15.4	12.8
278,706.....	do.....	.....	17.6	15.0	12.4
278,711.....	do.....	.....	17.6	15.2	12.8
283,612.....	do.....	.....	17.2	15.0	12.7
283,609.....	do.....	.....	17.6	15.4	12.8
278,710.....	do.....	Very slight asymmetry.	18.5	16.2	13.8
Total.....	(19)	(19)	(18)
Average.....	342.4	282.5	235.3
.....	18.02	14.87	13.07

Mongolian crania—Continued.

FEMALE—Continued.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, height.	Nose Breadth, maxim.	Nasal Index.
(84.9)	(79.2)	14.80	1,370	.....	7.3	13.7	.....	53.2	3.45	3.9	88.5	5.3	2.8	52.8
85.1	81.0	14.57	1,360	11.6	7.9	13.3	87.2	59.4	3.6	3.95	91.2	5.7	2.8	49.1
85.5	83.4	15.07	1,550	.....	7.4	13.8	.....	53.6	3.5	3.6	97.2	5.6	2.4	42.9
85.8	84.4	14.27	1,270	.....	6.4	12.9	.....	49.6	3.25	3.5	92.9	4.9	2.4	49
85.9	74.2	15.03	1,500	.....	7.2	13.5	.....	53.4	3.5	3.8	92.1	5.3	2.5	47.2
86.1	74.5	14.73	1,400	.....	6.8	12.7	.....	53.5	3.58	3.6	99.4	5.3	2.4	45.3
86.2	77.8	15.00	1,480	.....	7.2	13.3	.....	54.1	3.75	3.8	98.7	5.3	2.5	47.2
86.7	79.9	14.37	1,400	.....	6.6	12.4	.....	53.2	3.2	3.5	91.4	4.9	2.3	46.9
87.3	80.9	14.47	1,365	10.9	6.7	12.6	86.5	53.2	3.6	3.75	96.0	5.0	2.8	56.9
88.5	78.6	14.53	1,330	.....	6.8	13.8	.....	49.3	3.4	3.8	89.5	5.5	2.8	50.9
88.5	72.0	14.87	1,470	.....	6.7	13.1	.....	51.1	3.6	3.7	97.3	5.3	2.4	46.3
89.1	83.3	14.73	1,440	10.5	6.6	12.8	82	51.6	3.3	3.8	86.8	4.7	2.3	48.9
89.9	75.2	14.63	1,400	.....	6.5	12.9	.....	50.4	3.12	3.6	86.7	4.9	2.5	51
90.1	75.8	15.03	1,510	.....	7.1	13.5	.....	52.6	3.45	3.7	93.2	5.3	2.4	46.3
90.9	80.0	14.70	1,410	.....	6.6	13.4	.....	49.2	3.5	3.7	94.6	4.7	2.6	55.3
91.0	81.5	14.97	1,430	12.6	7.8	13.6	92.6	57.4	3.55	3.6	98.6	5.5	2.5	45.4
93.3	75.2	14.63	1,460	.....	7.0	14.4	.....	48.6	3.8	3.9	97.4	5.7	2.5	43.9
(73)	(73)	(75)	(74)	(26)	(64)	(69)	(25)	(63)	(73)	(73)	(73)	(73)	(72)	(72)
82.4	79.1	14.73	1,04,065	1,405	297	453.7	907.8	254.12	272.85	93.1	5.19	2.56	49.4	

Buriats: Siberian crania.

MALE.

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 $\left(\frac{b \times 100}{c}\right)$	Orbits—Height, mean.	Orbits—Breadth, mean.	Orbital Index, mean.	Nose, height.	Nose Breadth, maxim.	Nasal Index.
74.9	81.4	15.33	1,510	.....	7.3	13.7	.....	53.4	3.45	3.85	89.2	5.3	2.7	50.9
76.3	78.7	15.23	1,590	.....	.....	14.3	.....	.....	3.5	4.02	87.1	5.2	2.8	53.8
77.2	84	15.43	1,605	.....	7.3	.....	.....	.....	3.3	3.5	94.3	5.3	2.6	49.1
77.2	81.5	14.97	1,520	13.2	8.0	13.6	97.1	58.8	3.5	3.7	94.6	5.9	2.6	44.1
79.0	77.1	15.70	1,650	.....	7.3	13.8	.....	52.9	3.45	3.7	93.2	5.3	2.7	50.9
80.4	81.7	15.17	1,490	11.5	.....	13.6	84.6	52.9	3.25	3.8	85.5	4.9	2.6	53.1
80.6	78.8	15.10	1,545	.....	7.3	13.4	.....	54.6	3.3	3.6	91.7	5.7	2.5	43.9
82.6	76.2	15.47	1,550	12.3	7.7	14.3	86.0	53.8	3.5	3.7	94.6	5.8	2.7	46.6
84.1	82.4	15.77	1,640	12.5	7.5	14.3	87.4	52.4	3.65	4.05	90.1	5.6	2.6	46.4
84.2	83.4	15.40	1,540	.....	7.3	13.4	.....	54.5	3.15	3.8	82.9	5.2	2.7	51.9
84.4	80.9	14.93	1,570	13.4	8.0	13.5	99.3	59.3	3.6	3.8	94.7	5.5	2.6	47.3
84.4	77.7	15.37	1,490	.....	8.0	14.3	.....	55.9	3.4	4.0	85	6.1	3.0	49.2
84.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85.1	76.4	15.43	1,500	.....	.....	13.5	.....	.....	3.2	3.68	87	5.4	2.7	50
85.2	76.1	15.00	1,470	12.7	7.5	13.7	92.7	54.7	3.8	3.8	100	5.5	2.75	50
86.4	78.0	15.20	1,450	12.1	7.8	14.8	81.8	52.7	3.6	3.85	93.5	5.8	2.8	48.3
87.2	78.9	14.97	1,500	.....	7.5	14.1	.....	53.2	3.42	3.55	96.3	5.5	2.5	45.4
87.5	77.6	15.27	1,520	13.4	8.0	14.6	91.8	54.8	3.52	3.9	90.3	5.7	2.5	43.9
87.6	79.5	16.17	(1,915)	.....	7.0	13.5	.....	51.8	3.15	3.55	88.8	5.3	2.9	54.7
(19)	(18)	(18)	(17)	(8)	(15)	(17)	(8)	(14)	(18)	(18)	(18)	(18)	(18)	(18)
82.5	79.4	16.33	26,140	101.1	113.5	236.4	89.9	54.5	61.74	67.85	91	5.50	2.68	48.7

Buriats: Siberian crania—Continued.

FEMALE.

Catalogue No.	Collection.	Locality.	Approximate age of subject.	Deformation.	Diam. antero-posterior maxim. (glabella ad maximum).	Diam. lateral maxim.	Basion-Bregma height.
278,704.....	A.Hrdlička.....	Orkhon River, north of Kiahta.	Adult.....	.....	18.1	14.2	13.2
283,625.....	do.....	.....	17.6	13.8	.....
278,708.....	do.....	.....	17.8	14	13.4
278,709.....	do.....	.....	17.8	14.4	12.2
283,602.....	do.....	.....	17.2	14.1	12.6
283,611.....	do.....	.....	17.9	14.7	12.4
283,610.....	do.....	.....	17.3	14.2	12.4
283,619.....	do.....	.....	16.8	13.9	12.2
283,617.....	do.....	.....	16.4	13.7	12.8
278,703.....	do.....	.....	17.4	14.7	12.2
283,601.....	do.....	Moderate occipital compression.	(17.4)	(15)	(12.4)
278,702.....	do.....	.....	17.7	15.3	12.3
278,712.....	do.....	.....	17.0	14.8	12.3
283,603.....	do.....	.....	17.0	15.1	12.4
Total....	(14) 244	(14) 201.3	(13) 163.6
Average.	17.40	14.30	12.50

Buriats: Siberian crania—Continued.

FEMALE.

<i>Cranial Index.</i>	<i>Mean Height Index.</i>	<i>Cranial Module.</i>	<i>Capacity, in c. c. (Hrdlička's method).</i>	<i>Menton-Nasion Height (a).</i>	<i>Alveol Pt.-Nasion Height (b).</i>	<i>Diam. Bizygomatic maxill. (c).</i>	<i>Facial Index total $\left(\frac{a \times 100}{c}\right)$</i>	<i>Facial Index, upper $\left(\frac{b \times 100}{c}\right)$</i>	<i>Orbits—Height, mean.</i>	<i>Orbits—Breadth, mean.</i>	<i>Orbital Index, mean.</i>	<i>Nose, Height.</i>	<i>Nose Breadth, maxill.</i>	<i>Nasal Index.</i>
78.4	81.7	15.17	1,510	10.9	7.3	13.1	83.2	55.7	3.3	3.45	95.7	5.3	2.6	49.1
78.4	81.7	15.17	1,510	10.9	7.3	13.1	83.2	55.7	3.3	3.45	95.7	5.3	2.6	49.1
78.6	84.3	15.07	1,400	11.2	6.9	13.9	80.6	49.6	3.4	3.8	89.6	5.2	2.4	46.2
80.9	75.8	14.80	1,335	.....	.....	13.4	.....	.....	3.6	3.55	101.4	5.3	2.6	49.1
82	80.5	14.67	1,340	.....	7.7	13.9	.....	55.4	3.65	3.9	96.1	5.8	2.7	46.6
82.1	76.1	15.00	1,350	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
82.1	78.7	14.63	1,370	.....	6.5	13.0	.....	50	3.3	3.7	89.2	4.8	2.3	47.9
82.7	79.5	14.30	1,300	.....	6.8	.....	.....	.....	3.3	3.55	93	5.2	2.4	46.2
83.5	85	14.30	1,210	.....	6.9	12.8	.....	53.9	3.25	3.55	91.6	5.1	2.6	51
84.5	76	14.77	1,470	12.3	7.6	13.3	92.5	57.1	3.55	3.9	91.0	5.5	2.6	47.3
.....	.....	14.93	1,410	.....	6.9	13.4	.....	51.6	3.4	3.65	93.2	5.1	2.5	49
86.4	74.6	15.10	1,415	.....	7.8	13.9	.....	56.1	3.5	3.75	96.4	5.8	2.8	48.3
87.1	77.4	14.70	1,350	.....	7.2	14.3	.....	50.4	3.6	4.1	87.8	5.4	2.9	53.7
88.8	77.5	14.83	1,500	.....	7.3	14.0	.....	52.2	3.6	3.7	97.3	5.2	2.5	48.1
(14)	(15)	(13)	(13)	(3)	(12)	(12)	(3)	(11)	(13)	(13)	(13)	(13)	(13)	(13)
82.5	79.1	14.81	1,381	11.46	7.17	13.60	85.4	53.4	3.47	3.72	93.2	5.30	2.66	48.4

Mongolian and Buriat crania—Summary of measurements contrasted with Alaskans and Athapascans, and with westernmost Eskimo.

	Male.				Female.			
	Mongols.	Buriats.	Alaskan and Athapascan. ¹	St. Lawrence Island Eskimo.	Mongols.	Buriats.	Alaskan and Athapascan. ¹	St. Lawrence Island Eskimo.
Number of skulls.....	(114)	(19)	(61)	(158)	(73)	(14)	(48)	(87)
Vault:								
Length.....	18.40	18.02	18.12	18.40	17.36	17.40	17.26	17.63
Breadth.....	15.01	14.87	14.88	14.14	14.31	14.30	14.40	13.65
Height.....	13.10	13.07	13.03	13.70	12.53	12.50	12.43	13.20
Cranial Index.....	81.4	82.5	82.1	76.9	82.4	82.5	83.4	77.4
Mean Height Index.....	78.4	79.4	79.6	84.2	79.1	79.1	78.5	84.9
Module.....	15.51	15.33	15.43	15.42	14.73	14.81	14.66	14.77
Capacity.....	1,573	1,538	1,529	1,506	1,406	1,391	1,355	1,364
Face:								
M.-N. Height.....	12.58	12.63	12.03	12.70	11.42	11.46	11.53	11.37
Alv. Pt.-N. Height.....	7.76	7.56	7.41	7.66	7.09	7.17	6.98	7.03
Breadth.....	14.20	13.90	14.45	14.08	13.16	13.50	13.33	13.20
Facial Index:								
Total.....	88.8	89.9	83.4	90.2	87.7	85.4	86.3	83.4
Upper.....	54.5	54.5	51.1	54.5	53.1	53.4	52.3	53.4
Orbits:								
Mean height.....	3.59	3.43	3.59	3.69	3.48	3.47	3.53	3.60
Mean breadth.....	3.93	3.76	4	4.04	3.74	3.72	3.82	3.92
Mean Index.....	91.5	91	89.8	91.5	93.1	93.2	92.5	91.8
Nose:								
Height.....	5.66	5.50	5.31	5.54	5.19	5.30	5	5.12
Breadth.....	2.75	2.68	2.60	2.47	2.56	2.55	2.42	2.40
Index.....	48.6	48.7	48.9	44.6	49.4	48.4	48.4	46.80

¹ It is self-understood that the means of this column are only means employed for convenience of comparison.

NOTES ON THE ASIATIC CRANIA AND ON THEIR RELATION TO THE ALASKANS, ATHAPASCANS, AND ESKIMO.

1. The Mongols and Buriats are shown to be identical.

2. Both are characterized, on the average, by moderate brachycephaly, low vault of the skull, rather high and only moderately broad face giving high facial indices, slightly megaseme orbits, and mesorhinc nose.

3. Contrasting the Eskimo with the Mongolian cranial type, the former shows narrower and higher vault, about the same size of skull and cranial cavity, almost the same facial and orbital dimensions and indices, but a narrower nose. The derivation of the Eskimo type from one like the Mongolian appears quite evident.

The only marked difference between the Alaskan and Athapascan Indians and the Mongolian type is that of the face, which in the Indians is broader and gives on that account lower facial indices. But this is without much doubt a functional modification due, it seems, to a greater development in the Indians of the muscles of mastication and is very nearly limited to the males; the females of the two types are almost identical.

4. The important physical relations between the type of the Alaskan and Athapascan Indians and that of the Mongolians point not only to a common parentage but also to a relatively recent derivation from Asia of the Indian groups under consideration.

5. The highly important feature of low vault is known to be common to other Mongolic peoples in Asia besides those here considered, as, for instance, the Kalmuks, the Turguts, etc., and it will be shown to extend to some noteworthy groups of Indians both in North and South America.