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NOTES on a COLLECTION of CRANIA of ESQUIMAUX, exhibited by Prof. A. MACALISTER, F.R.S. By W. L. H. DUCKWORTH, B.A., Fellow of Jesus College, Cambridge.

THE Cambridge collection has been enriched by six skulls, and a complete skeleton, of Esquimaux from Labrador, presented by E. Curwen, Esq., M.D., St. John's Coll., Cambridge. The accompanying table gives their principal measurements and indices, which depart in no very important points from those already recorded by other observers. With these are arranged similar figures relating to the other crania of Esquimaux in the University Museum. It may be added that the ten specimens as a series are characterised by (a) the small size of the nasal bones, (b) the form of the Foramen Magnum, which is long and in some cases almost pyriform, a backward prolongation encroaching on the squamous part of the occipital bone, (c) the tendency to reduplication of the infra-orbital foramina with persistent infra-orbital sutures.

As individuals, the following notes deal in the briefest way with features of interest :—

Catalogue No. 1832. Inscribed "Eskimo, Davis Straits, Dr. Skae." This is a very large adult male skull with prominent cheek bones; foramen magnum very large; mandible wide with everted angles. The sphenoidal spines are of unusual size, and the remaining teeth well worn.

No. 1833. Skull of Eskimo, Holsteinborg, S. Greenland. Probably an adult female. The foramen magnum is of considerable size, with postcondylar foramina. The mandible is wide, and the sigmoid notch very shallow.

No. 1834. Skull of Esquimaux, Greenland, Macartney collection. This is the skull of an adult male; the facial parts are flat, but the nasal spine is long and sharp. The palate is of considerable width, the foramen magnum very long, the foramina ovalia are placed rather more externally to the pterygoid plates than usual.

No. 1867. Skull of Eskimo, from S. Greenland, purchased (from the Lowestoft Museum). The skull of an aged male, with edentulous upper jaw. The roof of the cranium can be removed, and thus the cephalic index can be calculated from measurements on the interior of the brain-case which more nearly represent the dimensions of the cerebrum. The internal measurements give a cephalic index of 74·3; the external 71·9.

No. 1868. Skull from Port Hope, Ailek, Labrador, presented by E. Curwen, Esq., M.D. This is a large and heavy male skull with massive jaw; the nasal bones are remarkably diminutive; the sphenoidal spines large; the foramen magnum long and oval.

No. 1869. Eskimo from Blackhead, Hopedale, Labrador, presented by E. Curwen, Esq., M.D. From a grave with bronze ornaments. This is an immensely long and rather high skull the facial bones have been in great part lost

DIMENSIONS OF SKULLS OF ESQUIMAUX.

| Measurements. | | 1833 | 1834 | 1867 | 1832 | 1868 | 1869 | 1870 | 1871 | 1872 | 1873 |
|-----------------------------|----|---------|---------|-------------|---------|---------|---------|----------|----------|---------|---------|
| Catalogue No. of Skull. | | Adult ♂ | Adult ♂ | Aged ♂ | Adult ♂ | Adult ♂ | Adult ♂ | Adult ♂ | Adult ♂ | Adult ♀ | Adult ♀ |
| Age and Sex. | | | | | | | | | | | |
| Cubic capacity .. | .. | 1385 | 1340 | 1550 | 1790 | 1480 | — | — | — | 1420 | 1225 |
| Maximum length | .. | 183 | 178 | 192 (171) | 198 | 183 | 202 | 171(?) | 181(?) | 181 | 180 |
| Maximum breadth | .. | 130 | 130 | 138 (127) | 142 | 138 | 133 | 128(?) | 180 | 133 | 128 |
| Basi-bregmatic height .. | .. | 128 | 135 | 136 | 141 | 145 | 140 | — | 139 | 139 | 129 |
| Basi-alveolar length .. | .. | 94 | 97 | — | 101 | 104 | — | — | — | 98 | 91 |
| Basi-nasal length .. | .. | 94 | 101 | 106 | 101 | 101 | 107 | — | — | 106 | 97 |
| Orbital height .. | .. | 35 | 34 | 33 | 37 | 36 | 38 | — | — | 37 | 36 |
| Orbital breadth .. | .. | 39 | 39 | 42 | 42 | 39 | 43 | — | — | 41 | 38 |
| Nasal height .. | .. | 50 | 53 | 54 | 53 | 48 | — | — | — | 57 | 50 |
| Nasal width .. | .. | 21 | 25 | 27 | 24 | 24 | — | — | — | 23 | 22 |
| Cephalic index .. | .. | 71 | 73 | 71.9 (74.3) | 71.7 | 75.4 | 65.8 | 74.9 (?) | 71.8 (?) | 73.5 | 71.1 |
| Vertical index .. | .. | 69.9 | 75.8 | 70.8 | 71.2 | 79.2 | 69.3 | — | 76.8(?) | 76.8 | 71.7 |
| Alveolar index .. | .. | 100 | 96 | — | 100 | 103 | — | — | — | 92.5 | 93.8 |
| Orbital index .. | .. | 89.7 | 87.2 | 78.6 | 88.1 | 92.3 | 88.4 | — | — | 90.2 | 94.7 |
| Nasal index .. | .. | 42 | 47.2 | 50 | 45.3 | 50 | — | — | — | 40.3 | 44 |
| Palato-maxillary index .. | .. | 114 | 106.6 | — | 120 | 105.3 | — | — | — | 115.9 | — |
| Facial (Köllman) index .. | .. | 55.1 | 52.2 | (?) | 49.3 | 52.2 | — | — | — | 62.3 | 55.1 |
| Stephano-zygomatic index .. | .. | 85.4 | 74.6 | 78.7 | 74.3 | 91.5(?) | 76.1 | — | — | 86.15 | 81.1 |
| Gonio-zygomatic index .. | .. | 89 | — | 77.9 | 72.3 | 83.5 | 79.6 | — | — | 77.7 | 83.5 |
| Naso-malar index .. | .. | 105.3 | 106.2 | 113.6 | 106.7 | 106.1 | — | — | — | 108 | 108.6 |
| Horizontal circumference .. | .. | 507 | 499 | 540 (?) | 539 | 519 | 550 | 476 (?) | 500 (?) | 510 | 495 |

- No. 1870. Eskimo skull from Hopedale, Labrador, presented by E. Curwen, Esq., M.D. A long and high skull.
- No. 1871. Eskimo skull from Cape Ailek, Labrador, presented by E. Curwen, Esq., M.D. Foramen magnum very large; mandible massive with large teeth.

The three immediately preceding specimens have suffered so much from weathering that few remarks can be made with regard to them. The cranial portions seem to present the typical appearances.

- No. 1872. Skull of Eskimo female, Cape Ailek, Labrador, presented by E. Curwen, Esq., M.D. A large massive skull with flattened facial bones.
- No. 1873. Female skeleton from Labrador, presented by E. Curwen, Esq., M.D. The skull is small and the foramen magnum of remarkable shape, the nasal bones small, the sphenoidal spines long and sharp. The skeleton measures 1407 mm. in height; and the pelvis seems remarkably large in both transverse and conjugate diameter.