

breadth as measured across the zygomatic arches; its teeth, however, are decidedly less robust. Whilst in the wolf skull the maxillary teeth (canine, premolars and molars) occupy a space of 103 mm., a like measurement in the Tranquille skull gives 91 mm. It is thought that the latter skull is that of a collie. Mr. W. Fortune, the owner of one of the ranches, of which there are two at Tranquille, informs the writer that he has had a number of Scotch collies of which several have died during the past few years.

In the wolf skull the first premolar has a small interval (about 1 mm.) between it and the second premolar with a wider space (about 2 mm.) separating it from the canine. Here the first premolar has the same proportions as the anterior tooth in the supposed collie skull, but is larger, with a similarly sloping posterior edge.

The collie shows its affinity to the wolf in its narrow skull and lengthened muzzle. It would be interesting to have records of the occurrence of extrateeth, in breeds of dogs having elongated skulls, and in the wolf if such teeth occur, as they probably do, in this animal. Supernumerary upper first premolars are known in the domestic cat.

#### MEASUREMENTS OF SKULLS.

	Dog.	Wolf.
Length of skull, occipital condyle to anterior end of premaxilla.....	210 mm.	216 mm.
Breadth of cranium at greatest constriction behind the orbits.....	43	43
Breadth of same at greatest expansion below squamoso-parietal suture.....	65	70
Breadth of frontals at postorbital processes..	63.5	55.5
Breadth of skull at alveolar border above second premolar.....	41	42
Breadth across zygomatic arches.....	118	120
Length of nasals.....	88	87
Length of premolar-molar series.....	77	88
Antero-posterior diameter of crown of upper carnassial.....	20	24.5
Anterior transverse diameter of same.....	10	14
Antero-posterior diameter of crown of upper first premolar.....	6.5	8

The upper teeth of the Tranquille skull are shown, in the figure accompanying this note, three-fourths the natural size.

The writer is indebted to Mr. Andrew Halkett, Naturalist and Curator, Fisheries Museum, Ottawa, for the loan of the skull of the white wolf above mentioned.