

than the length of the head, and contained thrice and three-sevenths in the total length (without caudal); snout rather short, as long as the eye, the diameter of which is two-sevenths of the length of the head. The maxillary reaches the front margin of the eye; both jaws with four canine teeth in front, the upper with a posterior one; operculum dilated into a large flap; three series of scales on the cheek; sub- and interoperculum scaly; præorbital as high as the orbit. Dorsal spines rather slender. Rose coloured; a blackish spot below the sixth and seventh dorsal spines on the lateral line; another above the end of the lateral line above the caudal fin. Length of specimen, 4 inches. Arafura Sea.

*Chærops cyanodon*, Rich., Somerset.

*Chærops ommopterus*, Rich. Station 186 (trawl).

*Ophidium murænolepis*, n. sp. (Pl. XX. fig. A).

The length of the head equals its distance from the vent, which is somewhat nearer to the end of the snout than to that of the tail. (In *Ophidium broussoneti* the distance of the vent from the end of the tail is nearly twice that from the end of the snout.) The scales are extremely small, not imbricate, elongate, and obliquely arranged as in an eel. The outer pair of barbels is considerably longer than the inner, and much shorter than the head. The lower branch of the outer branchial arch with four gill-rakers, which are very short, scarcely one-third of the diameter of the eye. No hook-like prominence at the ethmoid. Head entirely naked. Dorsal fin with a blackish edge. Ki Islands. Length of specimen, 7 inches. Station 192; 129 fathoms.

*Pseudorhombus russelli*, Gray, Arafura Sea; 35 to 49 fathoms.

*Rhomboidichthys angustifrons*, n. sp. (Pl. XXI. fig. B).

D. 83, A. 62, L. lat. 80. The height of the body is a little more than one-half of the total length with the caudal; the length of the head one-fourth; head about as high as long; anterior profile of the head parabolic, with a small notch in front of the interorbital space. Cleft of the mouth narrow, with the lower jaw prominent, and with the maxillary extending to below the front margin of the orbit; snout a little shorter than the eye, the diameter of which is two-sevenths of the length of the head. An inconspicuous knob superiorly on the maxillary, and on the front margin of the lower orbit. Length of the maxillary a little less than one-third of that of the head. Interorbital space very narrow, deeply concave, smooth. Vent on the left side. Scales of the coloured side ethmoid, of the blind side smooth. No spines along the base of the dorsal and anal fins. In the single specimen observed, the anterior dorsal rays are nearly detached and produced. Light brownish with indistinct darker spots, of which a series