

the head. Only the rays of the caudal fin are scaly. The dorsal fin commences above the middle of the eye, and is continued to within a short distance of the caudal. None of its rays are elongate. Pectoral equally developed on both sides, more than half as long as the head. Ventrals separate, opposite to each other. Light brownish; head and body with numerous black dots; dorsal and anal blackish; caudal with a large black spot near its upper and lower margins; pectoral with a large black spot occupying nearly the whole fin. Ki Islands. Length of specimens, 6 inches. Station 192; 129 fathoms.

Læops parviceps, Gthr. Station 190. Arafura Sea; 35 to 49 fathoms.

Brachypleura novæ-zealandiæ, Gthr., Arafura Sea; 35 to 49 fathoms. Coast of New Guinea; 30 fathoms.

Solea kaiiana, n. sp. (Pl. XXI. fig. C).

D. 70, A. 50, L. lat. ca. 70. The height of the body is two-fifths of the total length (without caudal), the length of the head rather more than one-fourth; the width of the interorbital space equal to the diameter of the eye. No pectoral whatever. Light brownish: head, body, and fins reticulated with brown, the network being more distinct towards the margins of the fish. Ki Islands. Length of specimen, $4\frac{1}{4}$ inches. Station 192; 129 fathoms.

Synaptura zebra, Bl., Arafura Sea; 35 to 49 fathoms.

Synaptura arafurensis, n. sp.

D. 65, A. 52, P. 6, L. lat. 100. The height of the body is two-fifths of the total length, with the caudal; the length of the head one-fifth. Scales ciliated on both sides of the body, those of the neck not larger. There are several patches of black filaments on different parts of the body; the largest is in the middle of the length of the lateral line, two or three smaller ones along the base of the dorsal, and of the anal, and one on the base of the caudal. Upper jaw slightly overlapping the lower. The eyes are very small; they occupy jointly a single protuberance, which can partially be received in a hollow. Pectorals rudimentary, about one-sixth of the length of the head; the right is black between the rays, and its axil is black also. The last dorsal and anal ray extends beyond the middle of the length of the caudal. Nasal tubes short. Uniform brownish-grey. Arafura Sea. Length of specimen, $4\frac{1}{4}$ inches. Station 190; 35 fathoms.

Cynoglossus kopsi, Blkr., Arafura Sea. Station 190.

Cnidoglanis nudiceps, n. sp.

Closely allied to *Cnidoglanis lepturus* and *Cnidoglanis microcephalus*, but with the occipital region osseous, and not covered with loose skin. Head depressed, small, its