

Length of specimens,  $2\frac{3}{4}$  to  $5\frac{1}{2}$  inches. Station 190; 35 to 49 fathoms Station 163, off Twofold Bay; 120 fathoms (?).

*Chilodactylus megastoma*, Rich., Port Jackson.

(?) *Muraenichthys gymnotus*, Blkr., Port Jackson.

*Syngnathus superciliaris*, n. sp.

D. 23. Osseous rings 20 + 38. Snout as long as the postorbital part of the head, with a median ridge above, terminating on the interorbital space; neck compressed into a trenchant ridge; operculum without a keel, and with fine radiating striæ. Shields without spines; lateral line passing into the lower caudal edge; base of the dorsal fin not elevated, standing on three body and three caudal rings. Tail twice as long as the trunk. A very conspicuous filament above each eye. Pectoral and caudal fins well developed. Brownish-grey, with indistinct darker cross-bands, and finely marbled with darker and lighter spots; snout and lower half of the head with oblique vermiculated brown lines. Length of specimens, 3 to  $6\frac{3}{4}$  inches. Port Jackson; 4 to 6 fathoms.

*Urocampus calohynchus*, Gthr., Port Jackson.

*Solenognathus fasciatus*, n. sp. (Pl. XIV. fig. B).

D, 41. Osseous rings 27 + 55. This species is most closely allied to *Solenognathus spinosissimus*, having the same rough and spiny scutes, but the forehead is somewhat broader, the dorsal longer and composed of more numerous rays, and the back of the trunk ornamented with seven narrow blackish cross-bars. Also the præanal region is blackish. Length of specimen, 12 inches. Off Twofold Bay; 120 fathoms. (Tail,  $5\frac{1}{2}$  inches long.)

*Ostracion cornutus*, L., Botany Bay.

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#### IV. THE FISH-FAUNA OF THE TROPICAL ZONE OF THE INDO-PACIFIC.

##### A. FISHES FROM THE RIVER MARY, QUEENSLAND.

Geographically only a portion of Queensland belongs to the Tropics; but among its fishes so thoroughly a tropical character predominates, that no one will associate them with the fauna of the more southern temperate parts. This refers to the fresh-water fishes as well as to those inhabiting its coasts. The Challenger did not touch in