

NOTES ON FISHES FROM AUSTRALIA AND LORD HOWE
ISLAND.

By

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(Plates i-iii.)

The Trustees of the Australian Museum have received a large and interesting collection of fishes from Mr. E. H. Rainford, collected by him in the neighbourhood of Bowen, Queensland. This includes many species not previously recognised from Australian waters and some which are regarded as new. Another equally interesting collection has been made by Mr. R. E. Baxter, of Lord Howe Island, and presented by him to the Australian Museum. A few species from each of these collections are dealt with in the following paper.

FISHES FROM AUSTRALIA.

Family CHAETODONTIDAE.

Genus CHAETODON *Linnaeus*.

The following key to the Australian species of this genus is based upon examination of numerous specimens in the Australian Museum collections. Every endeavour to utilise the sub-genera of Bleeker's "Atlas Ichthyologique" and Jordan & Seale's "Fishes of Samoa" has failed, and it seems that each includes little more than its typical species.

- a. Some or all of the scale-rows below the lateral line run obliquely upward and backward.
- b. Scale-rows oblique as above on both upper and lower parts of sides.
- c. Profile convex, not concave, at base of snout, which is obtuse.
- d. An oblique line on each row of scales on the sides; a broad black band before the ocular band covering the snout, and a narrow one behind it. Dorsal, anal, and caudal, each with a black stripe with light-coloured margins. *trifasciatus*.
- cc. Profile concave at base of snout, which is more or less produced.
- e. Scale-rows of upper anterior part of sides with dark lines running upward and backward and at *right angles* to those running downward and backward on lower posterior portion. (Subg. *Limophora auriga*).
- f. Dorsal with a produced setiform ray and a black ocellus. *setifer*.
- ff. Dorsal without a produced ray; a dark band from the dorsal across the peduncle to the anal. *vagabundus*.
- ee. Scale-rows either without dark lines, or, if they are present, they do not meet at right-angles.
- g. Ocular band mesially yellow with dark edges.
- h. Body with seven oblique dark stripes running upward and backward; a dark cross-bar on caudal; ventrals pale. *pelewensis*.