

**ATROPHACANTHUS DANAE FRASER BRUNNER AND CHAETODON
JAYAKARI NORMAN, NEW RECORDS OF FISHES FROM THE
ARABIAN SEA OFF THE SOUTH-WEST COAST OF INDIA**

The material dealt with in this report consists of one specimen each of *Atrophacanthus danae* Fraser-Brunner (1950) and *Chaetodon jayakari* Norman (1939) caught in bottom trawl off the south-west coast of India, during November 1965, by R. V. VARUNA of the Indo-Norwegian Fisheries Project, Cochin.

Since the occurrence of these species from areas other than their first records are little known, short descriptions and figures of the present specimens are given below.

Family : TRIACANTHODIDAE

Atrophacanthus danae Fraser Brunner

Atrophacanthus danae Fraser Brunner, 1950, *Dana Report* No. 35 : 3, Figd.
Atrophacanthus danae De Beaufort, 1962, *Fishes Indo-Australian Archipelago*, XI :
266, Fig. 70.

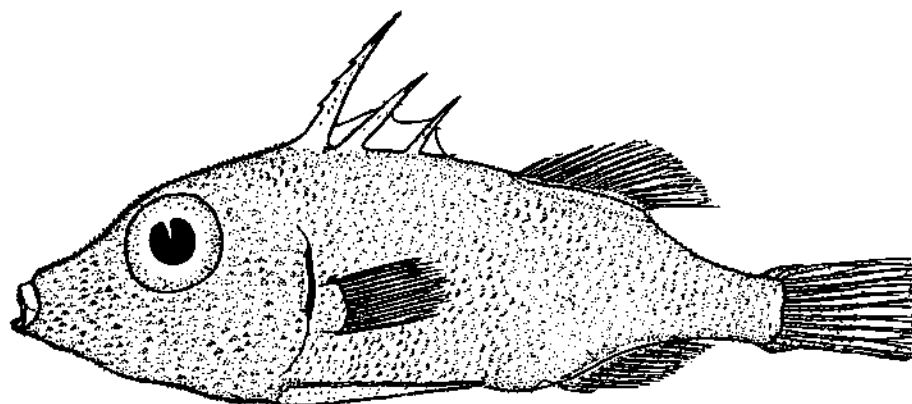


FIG. 1. *Atrophacanthus danae* Fraser Brunner, 98 mm.

D.₁ IV (fourth spine very small and only slightly visible externally) ; D.₂ 14 ;
A. 11 ; V. I (spine only) ; P. I, 13.

Fish more or less laterally compressed and with a spindle-like profile. Height 3.0 and head 2.6 in standard length; Eye 2.8, snout 3.0 and post-orbital distance 3.1 in head. Inter-orbital distance slightly more than post-orbital distance. Width of gill opening less than snout. Well developed lips. Small conical teeth on jaws. Dorsal spines progressively shorter, pelvic spine longer than the 1st dorsal spine. All these spines bear numerous small asperites on them.

Caudal truncate. Colour of fresh specimen reddish fading to fleshy in formalin. No pigmentation. Skin rough covered with denticles which are seen on fin rays also. No lateral line visible.

Occurrence : 1 specimen 98 mm. total length, (Fig. 1) off Quilon, at station Lat. 08°.59' N. Long. 75°.59' E. 121 m. deep, on 16th November 1965.

Distribution : Celebes Sea (Lat. 03°.20', Long. 123°.53' E.) in waters 2000 m. with 600-5000 m. of wire out (184 specimens). de Beaufort (1962) has not seen specimens but has given the description and figure after Fraser Brunner).

The specimen has been deposited in the Reference Collection Museum of the Central Marine Fisheries Research Institute under No. CMFRI-F 179/497.

Family : CHAETODONTIDAE

Chaetodon jayakari Norman

Chaetodon jayakari Norman, 1939, *John Murray Report*, VII : 63, Figd.

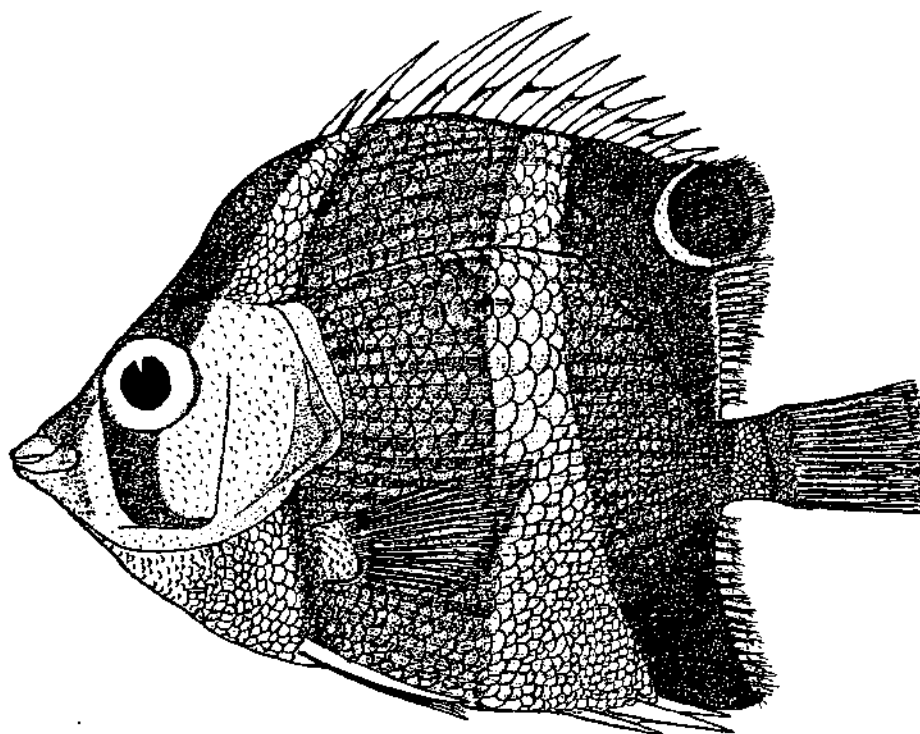


FIG. 2. *Chaetodon jayakari* Norman, 125 mm

D. XI, 22 ; A. III, 17 ; V. I, 5 ; P. 15.

Head profile concave. Height 1.4 and head 2.3 in standard length. Snout slightly longer than diameter of eye. Eye 3.4, snout 3.0 and inter-orbital width 4.1 in head.

Scales about 40 in the mid-lateral longitudinal series, 11 from origin of dorsal to lateral line. Lateral line dips at a blunt angle posteriorly and ends below posterior part of the soft dorsal.

Coloration : Narrow darkish longitudinal streaks on body. Two broad vertical dark bands on side of body, the anterior being broader. A prominent ocular band from origin of dorsal to lower margin of preoperculum and a narrower median band from occipital region to snout. A white-edged dark ocellus slightly larger than the eye present on the upper aspect of the soft dorsal. Pelvics blackish. Soft anal very dark at base. Caudal pale and truncate in shape.

Occurrence : 1 specimen 125 mm. total length (Fig. 2) in off Quilon, at station Lat. 09° 00' N. Long. 75° 55' E. 274 m. deep, on 16th November 1965.

Distribution : Previously known from Muscat, Gulf of Oman (120-160 mm.) ; Gulf of Aden 73-200 m. (88, 104 mm.) ; South Arabian coast 83-100 m. (115 mm.).

The specimen has been deposited in the Reference Collection Museum of the Central Marine Fisheries Research Institute under No. CMFRI-F97/498.

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