

the fish attains maturity in one year when it is about three inches in length.

The physico-chemical conditions of the above three places immediately after breeding had taken place are given below :

The embryonic and larval development were followed by us and found to agree with the observations of Khan. The larvæ were noticed to commence feeding on the fourth day on the following organisms :

Desmidiaceæ: *Closterium*, *Cosmarium* :

Diatomaceæ: *Cocconeis*, *Cymbella*, *Gomphonema*, *Melosira*, *Navicula*, *Nitzschia*, *Synedra* :

Algæ: *Ankistrodesmus*, *Aphanocapsa*;

Protozoa: *Chilomonas*, *Euglena*, *Eudorina* and *Phacus*.

Adult characters were fully assumed when 25 mm. in size and one month old in all the three places. Colour varied from red, yellow, olive brown to black.

It is thus found that the gold fish could be propagated in simple garden pools and aquaria under varying meteorological conditions. This is encouraging from the point of view of the present movement to establish in popular favour for keeping and breeding fancy fishes. The gold fish is however predaceous, and has been observed to feed on young ones of *Etroplus suratensis*, *Barbus stigma* and *B. ticto* and on its own young ones below one inch in size. Gold fish culture in ferneries and ornamental ponds is also an effective check on mosquito breeding. Atkins⁵ and Schrenkeisen⁶ have found the species to be effective larvivores. We have observed the fish to consume about 200 mosquito larvæ in 24 hours. The fish can be transported over long distances without any casualty provided the water in the container is changed every six hours and the temperature is kept below 30° C.

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Freshwater Biological Sta.,
Kilpauk, Madras,
April 1949.

1. Otaki, K., Fujita, T., and Higurashi, T., *J. Imp. Fish. Inst. Tokyo*, 1906, 1, 1. 2. Jordan, D. S., *Fishes*, New York, 1925. 3. Mellen, I. M., and Lanier, R. J., *1001 Questions Answered about Your Aquarium*, New York, 1935. 4. Khan, H. M., *J. Bom. Nat. Hist. Soc.*, 1929, 23, 614. 5. Atkins, E. H., *Ibid.*, 1901, 13, 695. 6. Schrenkeisen, R., *Fieldbook of Freshwater Fishes of North America*, New York, 1938,

ON THE OCCURRENCE OF ENTEROPNEUSTS IN SHINGLE ISLAND, GULF OF MANAAR¹

THE occurrence of Balanoglossids in Krusadai Island has already been reported.² The area where they are available in moderately large quantities has been termed as the 'Balanoglossus area'³.

On the 7th, 8th and 22nd of October 1948, fifty specimens of Balanoglossids were collected from Shingle Island which lies cut away from Krusadai by a gap of over a mile and a half width. The specimens were collected from the southern shores of the Island in a small lagoon enclosed by dead coral reef. The animals were found comparatively deeper down the sand than at Krusadai.

Though systematic collections of marine animals have been made in Krusadai and nearby islands by various biologists year after year no record has so far been traced to indicate the presence of this protochordate in Shingle Island. A search for these animals in islands nearby would throw more light on the distribution and ecology of this primitive chordate.

Krusadai Island,
Gulf of Manaar,
February 1949.

G. K. KURIYAN.

1. Published with the kind permission of the Director of Industries & Commerce, Madras.
2. Narayna Rao, C. R., *Curr. Sci.*, 1934, 3, 70.
3. Ramanujam, S. G. M., *Ibid.*, 1935-9, 427.

SEQUEL TO THE HYBRIDIZATION BETWEEN THE SUGARCANE × THE BAMBOO

PROFESSOR C. A. TAYLOR of State College of Agriculture, Brookings, South Dakota, U.S.A., considers that the systematic positions of the bamboo, sugarcane and the panicoid grasses might need revision in the light of successful hybridization between the sugarcane and the bamboo. He thinks that the floral morphology and anatomy of the genera *Arundo* and *Ochlandra* might throw some light on the problem and wishes to get into touch with researchers in India who have worked on the two genera.

T. Nagar,
Madras,

T. S. VENKATRAMAN.

June 19, 1949.

ON A *NOSTOCHOPSIS* FROM MYSORE
LARGE collections of a species of *Nostochopsis* agreeing closely with *N. lobatus* (Wood)