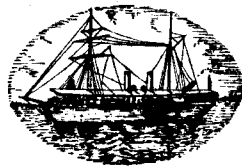


# **SYMPOSIUM ON**

# **SCOMBROID FISHES**

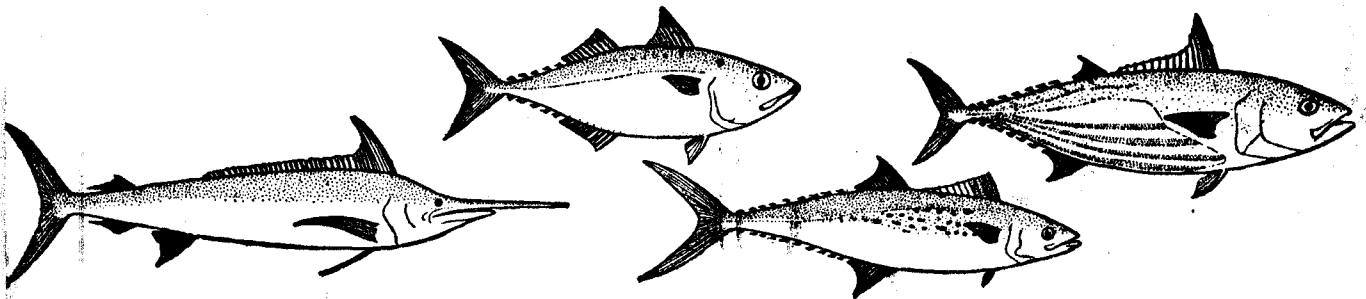
## **PART II**



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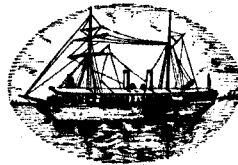
**S. INDIA**



PROCEEDINGS OF THE  
**SYMPOSIUM**  
ON  
**SCOMBROID FISHES**

HELD AT MANDAPAM CAMP FROM JAN. 12-15, 1962

**PART II**



SYMPOSIUM SERIES I  
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**BEHAVIOUR OF DIFFERENT SPECIES OF TUNAS  
AS NOTICED FROM LONG-LINE CATCHES,  
WITH A RÉSUMÉ OF OUR KNOWLEDGE ON TUNA BEHAVIOUR\***

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**ABSTRACT**

ALTHOUGH India has not ventured so far to fish in the high seas of the Indian Ocean for tunas and related fishes, intensive fishing for these are at present being carried out in various parts of the Indo-Pacific by many countries such as, Japan, U.S.A., Australia, etc. In the Indian Ocean the fishing is done almost exclusively by the Japanese and the main gear used is the long-line. As fishing in the high seas is a costly venture, in order to economise, it is imperative that a proper knowledge of the habits and the reactions of the fish to existing fishing methods and gear used be known. Costly experiments for making direct underwater observations are being tried involving the redesigning of the hull of a vessel to accommodate underwater observation posts (Strasburg, 1960, 1961), while a specially designed submarine to follow or locate tuna schools to study their behaviour up to depths of about 130 metres is contemplated. Evidence from the size of fish caught, depth of capture, food and feeding habits, etc., aid to a certain extent in our assessing the habits of these fishes and based on these a fund of information is available, although this may be but a fraction of what has yet to be discovered.

“Since the Symposium was held in January 1962, a good deal of information has become available on various aspects of tuna behaviour, the inclusion of which it is felt will be useful in a résumé of this nature. As such, the paper incorporating these additions will be published elsewhere.”

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