THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM

THE ASSOCIATION was founded in 1884 to promote accurate researches leading to the advancement of zoological and botanical science and to an increase in our knowledge of the food, life, conditions and habits of British fishes. The work of the Association is controlled by a Council elected annually by its subscribing members.

Professor T. H. Huxley took the chair at the initial meeting held in the rooms of the Royal Society and was elected the first President. Among those present were Sir John Lubbock (afterwards Lord Avebury), Sir Joseph Hooker, Professor H. N. Moseley, Mr G. J. Romanes, and Sir E. Ray Lankester who, after Professor Huxley, was for many years president of the Association. It was decided to build a laboratory at Plymouth, where a rich and varied fauna is found.

The Plymouth Laboratory was opened in June 1888, and, since that date, considerable additions have been made to the buildings, including a library, lecture-hall, and extensive laboratory accommodation with up-to-date equipment. Additional sea-water reservoirs have also been built, and an aquarium, modernized in 1959, opened to the public.

Since its foundation the Association has been supported by subscriptions and donations from private members, universities, learned societies, the Fishmongers' Company and other public bodies. For some time past, however, the main financial support for the work of the Plymouth Laboratory has come from Government funds, and since 1965 the Laboratory has been grant-aided through the Natural Environment Research Council.

The Marine Biological Association, under the direction of its Council, undertakes research in all branches of marine science and the main results are published in this journal. Accounts of the laboratory and aquarium are to be found in Vol. 27 (p. 761), Vol. 39 (p. 391) and Vol. 43 (p. 281), and summaries of the activities and research of the Association are given annually in the Report of the Council in the November issue of the Journal.

The laboratory is open throughout the year and its work is carried out by a fully qualified research staff under the supervision of the Director. The names of the members of the staff will be found on the inner page of the front cover. Accommodation is available for British and foreign scientific workers who wish to carry out independent research in all branches of marine science. Arrangements are made for courses for advanced students, and marine animals and plants are supplied to educational institutions.

Work at sea is undertaken by three research vessels and by a motor boat, and these also collect the specimens required in the laboratory.

Annual Members, receiving the Journal per annum										5.00
Annual Membe	rs, with	hout 1	the Jo	ournal			per	ann	um	1.05
Life Members						Co	mpos	ition	fee	60.00
Founders .										100.00
Governors .										500.00

TERMS OF MEMBERSHIP

r

Members of the Association have the following rights and privileges: they elect annually the Officers and Council; they are entitled to receive the Journal of the Association at a reduced rate; they are admitted to view the laboratory at Plymouth; they have the first claim to rent a place in the laboratory for research, with use of tanks, boats, etc; they have the privilege of occupying a table for one week in each year free of charge; and they have access to the books in the library at Plymouth during working hours.

The Commissioners of Inland Revenue have approved the Association for the purposes of Section 16, Finance Act, 1958, and that the whole of the annual subscription paid by a member who qualifies for relief under the section will be allowable as a deduction from his emoluments assessable to income tax under Schedule E.

All correspondence should be addressed to the Director, The Laboratory, Citadel Hill, Plymouth, PL1 2PB.

JOURNAL OF THE MARINE BIOLOGICAL ASSOCIATION Vol. 55 No. 2

CONTENTS

PAGE

Ford, E. Obituary	. 255
PINGREE, R. D. and PENNYCUICK, L. Transfer of heat, fresh water and nutrients throug the seasonal thermocline	h . 261
HUGHES, R. G. The distribution of epizoites on the hydroid Nemertesia antennina (L.)	. 275
WARWICK, R. M. and GAGE, J. D. Nearshore zonation of benthic fauna, especially Nema toda, in Loch Etive	. 295
OLIVE, P. J. W. Reproductive biology of <i>Eulalia viridis</i> (Müller) (Polychaeta: Phyllo docidae) in the north eastern U.K.	. 313
DALY, J. M. Reversible epitoky in the life history of the polychaete Odontosyllis polycer (Schmarda 1861)	a • 327
MAUCHLINE, J. and BALLANTYNE, A. R. S. The integumental organs of amphipods .	. 345
FISH, J. D. Development, hatching and brood size in <i>Bathyporeia pilosa</i> and <i>B. pelagic</i> (Crustacea: Amphipoda)	a • 357
LU, C. C. and CLARKE, M. R. Vertical distribution of cephalopods at 11° N, 20° W in th North Atlantic	. 369
DAVENPORT, J., GRUFFYDD, LL. D. and BEAUMONT, A. R. An apparatus to supply water of fluctuating salinity and its use in a study of the salinity tolerances of larvae of the scallo <i>Pecten maximus</i> L.	p
Foster-Smith, R. L. The effect of concentration of suspension and inert material on th	. 391
assimilation of algae by three bivalves	. 411
CURREY, J. D. A comparison of the strength of echinoderm spines and mollusc shells	. 419
WIGHAM, G. D. Environmental influences upon the expression of shell form in Rissoa part (da Costa) (Gastropoda: Prosobranchia)	a • 425
BOURGET, E. and CRISP, D. J. An analysis of the growth bands and ridges of barnacle she plates	11 · 439
GRUFFYDD, LL. D., LANE, D. J. W. and BEAUMONT, A. R. The glands of the larval foot in Pecten maximus L. and possible homologues in other bivalves	n . 463
LANE, D. J. W. and NOTT, J. A. A study of the morphology, fine structure and histo chemistry of the foot of the pediveliger of <i>Mytilus edulis</i> L.	• 477
CRANFIELD, H. J. The ultrastructure and histochemistry of the larval cement of Ostre edulis L.	
Abstracts of Memoirs	. 505
BOOK NOTICES	. 507

© Copyright by the Marine Biological Association of the U.K. 1975

The 1975 subscription price of the Journal to non-members of the Association is £28.00 net a volume of four parts, post free, or US \$90.00 in U.S.A. and Canada, payable in advance. Subscriptions may be sent to any bookseller or to the London or New York office of Cambridge University Press.

CAMBRIDGE UNIVERSITY PRESS

BENTLEY HOUSE, 200 EUSTON ROAD, LONDON NW1 2DB

32 EAST 57TH STREET, NEW YORK, N.Y.10022

Printed in Great Britain at the University Printing House, Cambridge

https://doi.org/10.1017/S0025315400015915 Published online by Cambridge University Press