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, 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.

TERMS OF MEMBERSHIP

											£
Annual Me		per annum per annum			15.00 3.00						
Annual Members, without the Journal											
Founders											100.00
Governors											500.00

Annual subscriptions become due on 1 January.

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 subscriptions 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. 66 No. 4

CONTENTS

	PAGE									
GIBBS, P. E. and BRYAN, G. W. Reproductive failure in populations of the dog-whelk, Nucella lapillus, caused by imposex induced by tributyltin from antifouling paints										
MARTIN, A. R. and CLARKE, M. R. The diet of sperm whales (<i>Physeter macrocephalus</i>) captured between Iceland and Greenland	779									
ROBINSON, G. A. and HUNT, H. G. Continuous plankton records: annual fluctuations of the plankton in the western English Channel, 1958–83	791									
MAUCHLINE, J. The biology of the deep-sea species of Mysidacea (Crustacea) of the Rockall Trough	803									
Janssen, J., Harbison, G. R. and Craddock, J. E. Hatchetfishes hold horizontal attitudes during diagonal descents	825									
BULLOCK, A. M., PHILLIPS, S. E., GORDON, J. D. M. and ROBERTS, R. J. Sarcotaces sp., a parasitic copepod infection in two deep-sea fishes, Lepidion eques and Coelorhynchus occa.	835									
HARRIS, R. P., FORTIER, L. and YOUNG, R. K. A large-volume pump system for studies of the vertical distribution of fish larvae under open sea conditions	845									
BOYLE, P. R. A descriptive ecology of <i>Eledone cirrhosa</i> (Mollusca: Cephalopoda) in Scottish waters	855									
BOYLE, P. R., GRISLEY, M. S. and ROBERTSON, G. Crustacea in the diet of <i>Eledone cirrhosa</i> (Mollusca: Cephalopoda) determined by serological methods	867									
THORP, C. H., KNIGHT-JONES, P. and KNIGHT-JONES, E. W. New records of tubeworms established in British harbours.	881									
SOUTHWARD, E. C. Gill symbionts in thyasirids and other bivalve molluscs	889									
DANDO, P. R. and SOUTHWARD, A. J. Chemoautotrophy in bivalve molluscs of the genus										
Thyasira	915									
TULLY, O. and O CEIDIGH, P. The ecology of Idotea species (Isopoda) and Gammarus locusta										
(Amphipoda) on surface driftweed in Galway Bay (west of Ireland)	931									
Gustafson, R. G., Ó Foighil, D. and Reid, R. G. B. Early ontogeny of the bivalve Cardiomya pectinata (Carpenter, 1865)	943									
COLMAN, J. G., TYLER, P. A. and GAGE, J. D. Larval development of deep-sea gastropods (Prosobranchia: Neogastropoda) from the Rockall Trough	951									
Announcement	967									
Book Notices	969									
REPORT OF THE COUNCIL 1985-86	971									
BALANCE SHEET 1985–86	1015									
	1017									

© Copyright by the Marine Biological Association of the UK 1986

The Journal of the Marine Biological Association is published quarterly. The subscription price of volume 66, 1986, of the Journal to non-members of the Association is £105.00 net a volume of four parts, post free, or US \$240.00 in USA and Canada, payable in advance. Single parts cost £27.00 (US \$70.00 in USA and Canada) plus postage. Subscriptions may be sent to any bookseller or to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, or in USA and Canada, to Cambridge University Press, 32 East 57th Street, New York, 10022. Second class postage paid at New York, NY and at additional mailing offices. POSTMASTER: send address changes in the USA and Canada to Journal of the Marine Biological Association, Cambridge University Press, 32 East 57th Street, New York, NY 10022. All orders must be accompanied by payment.

CAMBRIDGE UNIVERSITY PRESS

THE PITT BUILDING, TRUMPINGTON STREET, CAMBRIDGE CB2 1RP
32 EAST 57TH STREET, NEW YORK, NY 10022, USA
10 STAMFORD ROAD, OAKLEIGH, MELBOURNE 3166, AUSTRALIA
Printed in Great Britain by the University Press, Cambridge