THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM

The Association is a registered charity and 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.

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 which is open to the public.

The Marine Biological Association, under the direction of its Council, has undertaken research in all branches of marine science and many of the results have been published in this Journal. An account of the history of the first hundred years of the Association and Journal may be found in Volume 67 (pp. 463 and 465). 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.

Since its foundation the Association has been supported by grants from Research Councils and by subscriptions and donations from private members, universities, learned societies, the Fishmongers' Company and other public bodies. The main financial support for the work of the Plymouth Laboratory is grant-aided through the Natural Environment Research Council.

In 1988 an agreement was reached between the MBA Council and the Natural Environment Research Council to merge a large part of the Plymouth Laboratory with the NERC's Institute for Marine Environmental Research, which had been in Plymouth since 1971. The new laboratory is known as the Plymouth Marine Laboratory and consists of the staff of the two laboratories housed in both buildings.

The Marine Biological Association retains the lease of the building on Citadel Hill and continues as a very active scientific society with a large international membership. The MBA manages a research programme carried out by research fellows and scientific visitors, publishes an International Journal, runs a public Aquarium, and organizes scientific meetings.

TERMS OF MEMBERSHIP

		£
Annual members, receiving the Journal	per annum	25.00
Annual members, without the Journal	per annum	10.00
Student members, with the Journal	per annum	10.00
Governors	-	500.00

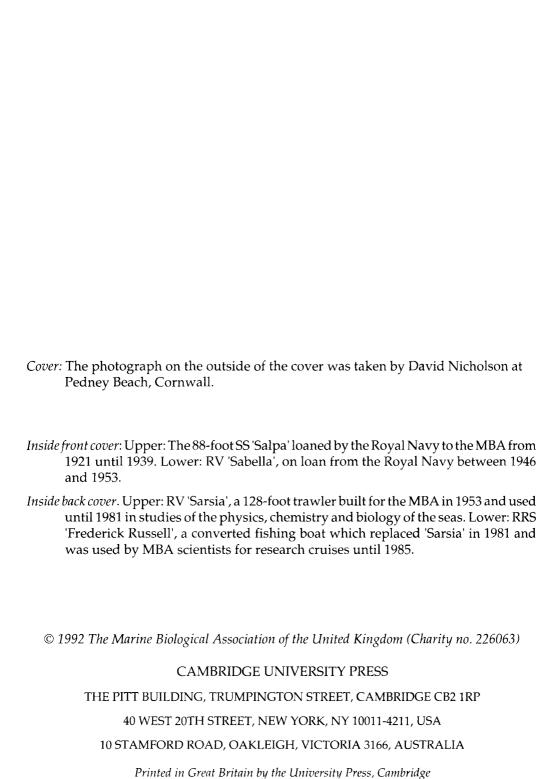
Annual subscriptions become due on 1 January.

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 the Members' 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 opportunity 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.

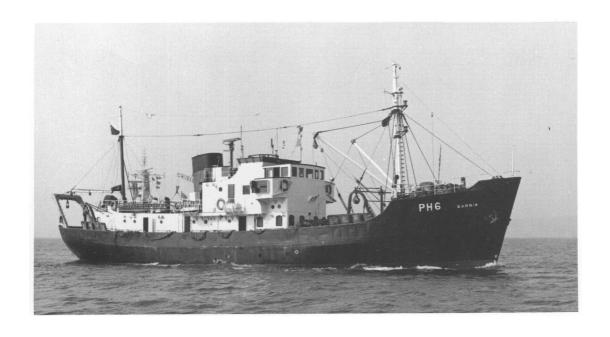
The Commissioners of Inland Revenue have approved the Association for the purposes of Section 16, Finance Act, 1958, and that the whole of the annual subscriptions paid by a member who qualifies for relief under the section will be allowable as a deduction from his emoluments assessable to income tax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

All correspondence should be addressed to:

The Director, Marine Biological Association, The Laboratory, Citadel Hill, Plymouth, PL1 2PB, UK (Telephone: 0752 222772).



https://doi.org/10.1017/S0025315400059294 Published online by Cambridge University Press





JMBA

JOURNAL OF THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM VOLUME 72:3 AUGUST 1992

CONTENTS

	PAGE
Abbiati, M. & Maltagliati, F. Genetic population structure of <i>Neanthes</i>	AGE
succinea (Polychaeta: Nereididae)	511
Dixon, D. R., Simpson-White, R. & Dixon, L. R. J. Evidence for	
thermal stability of ribosomal DNA sequences in hydrothermal-vent	
organisms	519
Chisholm, J. R. S. & Smith, V. J. Antibacterial activity in the haemocytes	
of the shore crab, Carcinus maenas	529
Kear, A. J. & Boyle, P. R. Loss of meal antigenicity during digestion in	
Sepia officinalis (Cephalopoda: Sepioidea)	543
Jenkins, P. G., Pulsford, A. L. & Harris, J. E. Microscopy of the	
absorptive cells and gut-associated lymphoid tissue of the flounder	
Platichthys flesus	553
Hawkins, A. J. S. & Hilbish, T. J. The costs of cell volume regulation:	
protein metabolism during hyperosmotic adjustment	569
Ackerly, S. C. Rapid shell closure in the brachiopods <i>Terebratulina</i>	
retusa and Terebratalia transversa	579
McGaw, I. J. & Naylor, E. Distribution and rhythmic locomotor patterns	
of estuarine and open-shore populations of Carcinus maenas	599
Davenport, J. Observations on the ecology, behaviour, swimming	
mechanism and energetics of the neustonic grapsid crab, Planes	
minutus	611
Hargreaves, P. M. & Herring, P. J. The response of decapod and mysid	
crustaceans to artificially lighted trawls	621
Davies, M. S., Jones, H. D. & Hawkins, S. J. Physical factors affecting	
the fate of pedal mucus produced by the common limpet Patella	
vulgata	633
Bron, J. E. & Treasurer, J. W. Sea lice (Caligidae) on wrasse (Labridae)	CAE
from selected British wild and salmon-farm sources	645
Harvey, R., Blaxter, J. H. S. & Hoyt, R. D. Development of superficial	
and lateral line neuromasts in larvae and juveniles of plaice	CE1
(Pleuronectes platessa) and sole (Solea solea)	651
Rand, T. G. Distribution of <i>Ichthyophonus hoferi</i> (Mastigomycotina: Ichthyophonales) in yellowtail flounder, <i>Limanda ferruginea</i> , from	
the Nova Scotia Shelf, Canada	669
Henderson, P. A., James, D. & Holmes, R. H. A. Trophic structure	003
within the Bristol Channel: seasonality and stability in Bridgwater	
Bay	675
Davies, A. G., Madariaga, I. de, Bautista, B., Fernández, E., Harbour, D.	0,0
S., Serret, P. & Tranter, P. R. G. The ecology of a coastal <i>Phaeocystis</i>	
bloom in the north-western English Channel in 1990	691
McMahon, T. G., Raine, R. C. T., Fast, T., Kies, L. & Patching, J. W.	00.
Phytoplankton biomass, light attenuation and mixing in the Shannon	
Estuary, Ireland	709
Short Communications:	
Jones, D.	721
Daneri, G., Iriarte, A., Garcia, V. M., Purdie, D. A. & Crawford, D. W.	723
Alvarez, J. A.	727
Book Notices	731