

ERRATUM
HYDRODYNAMIC ASPECTS OF PARTICLE CAPTURE
BY *MYTILUS*

N. R. SILVESTER AND M. A. SLEIGH

J. mar. biol. Ass. U.K. (1984), **64**, 868

It has been pointed out by Dr H. U. Riisgård that a result from his research with Dr F. Møhlenberg was misreported in the above paper; this error is deeply regretted.

In their paper on filter-feeding in bivalves Møhlenberg & Riisgård (1979, *Marine Biology*, **54**, 146) published a table for values of regression constants a and b in the correlation $F = aW^b$, relating filtration rate (F) with dry flesh weight (W), and in the correlation $G = aW^b$, relating gill area (G) with dry flesh weight (W). We took the wrong value for a in *Mytilus* from this table and gave it in line 4 on page 868 as 24.6; this should be corrected to 7.45. Consequently our value of F , the pumping rate, calculated using the incorrect value of a was several times too high (line 24), where the pumping rate of 108 ml min⁻¹ should be corrected to 32.6 ml min⁻¹.

This amended value of the pumping (or filtration) rate agrees with other values quoted by these authors, but is about twice the rate published by other workers who have used direct methods of measurement. An unexplained discrepancy remains, as discussed in our paper.

The error makes no essential difference to the arguments presented nor to the conclusions of our paper.

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.

TERMS OF MEMBERSHIP

	£
Annual Members, receiving the Journal . . . per annum	15.00
Annual Members, without the Journal . . . per annum	3.00
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 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.

CONTENTS

	PAGE
WEBSTER, S. G. The effect of eyestalk removal, wounding and limb loss upon moulting and proecdysis in the prawn <i>Palaemon elegans</i> (Rathke)	279
PAGETT, R. M. Some observations upon the distribution of strontium in four species of ophiuroids - <i>Ophiocomina nigra</i> (Abildgaard), <i>Ophiura albida</i> (Forbes), <i>Ophiothrix suensoni</i> (Lütken) and <i>Ophioderma cinereum</i> (Müller and Troschel)	293
WHEELER, A. A record of the white marlin, <i>Tetrapturus albidus</i> (Istiophoridae: Perciformes: Osteichthyes) from the British coast	305
GIBBS, P. E. On the genus <i>Phascalion</i> (Sipuncula) with particular reference to the north-east Atlantic species	311
CLARIDGE, P. N. and POTTER, I. C. Distribution, abundance and size composition of mullet populations in the Severn Estuary and Bristol Channel	325
KRESS, A. A structural analysis of the spermatophore of <i>Runcina ferruginea</i> Kress (Opisthobranchia: Cephalaspidea)	337
RUSSELL, G. Some anatomical and physiological differences in <i>Chorda filum</i> from coastal waters of Finland and Great Britain	343
CRANMER, G. J. Recent investigations into the distribution of regular echinoids in the North Sea	351
WAITE, J. H. Catechol oxidase in the byssus of the common mussel, <i>Mytilus edulis</i> L.	359
CLARKE, M. R. and PASCOE, P. L. The influence of an electric light on the capture of deep-sea animals by a midwater trawl	373
FREEMAN, R. F. H. and SHUTTLEWORTH, T. J. Distribution of intracellular sodium, potassium and chloride in <i>Arenicola marina</i> equilibrated to diluted sea water	395
CRICK, R. E., BURKART, B., CHAMBERLAIN, J. A., JR and MANN, K. O. Chemistry of calcified portions of <i>Nautilus pompilius</i>	415
REDPATH, K. J. Growth inhibition and recovery in mussels (<i>Mytilus edulis</i>) exposed to low copper concentrations	421
RICE, E. L. and CHAPMAN, A. R. O. A numerical taxonomic study of <i>Fucus distichus</i> (Phaeophyta)	433
COOMBS, S. H., FOSH, C. A. and KEEN, M. A. The buoyancy and vertical distribution of eggs of sprat (<i>Sprattus sprattus</i>) and pilchard (<i>Sardina pilchardus</i>)	461
GORDON, J. D. M. and DUNCAN, J. A. R. The biology of fish of the family Moridae in the deep-water of the Rockall Trough	475
TETT, P., HEANEY, S. I. and DROOP, M. R. The Redfield ratio and phytoplankton growth rate	487
DIGBY, P. S. B. Reducing activity and the formation of base in the shore crab, <i>Carcinus maenas</i>	505
POTTS, G. W. The nest structure of the corkwing wrasse, <i>Cremilabrus melops</i> (Labridae: Teleostei)	531
PRAHL, F. G., EGLINTON, G., CORNER, E. D. S. and O'HARA, S. C. M. Faecal lipids released by fish feeding on zooplankton	547
BOOK NOTICES	561

© Copyright by the Marine Biological Association of the UK 1985

The subscription price of volume 65, 1985 of the Journal to non-members of the Association is £98.00 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 Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU, or in the USA and Canada, to Cambridge University Press, 32 East 57th Street, New York, 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