

New Series.—Vol. XIII., No. 4—issued October, 1925.

[Price Eight Shillings, net.]

Journal

OF THE

MARINE BIOLOGICAL ASSOCIATION

OF

THE UNITED KINGDOM.



THE PLYMOUTH LABORATORY.

PLYMOUTH:

PRINTED FOR THE MARINE BIOLOGICAL ASSOCIATION AT THE MAYFLOWER PRESS
BY W. BRENDON & SON, LTD.,

AND

PUBLISHED BY THE ASSOCIATION AT ITS OFFICES ON THE CITADEL HILL.

SENT FREE BY POST TO ALL MEMBERS OF THE MARINE BIOLOGICAL ASSOCIATION:
ANNUAL SUBSCRIPTION FOR MEMBERSHIP, ONE GUINEA.

AGENTS IN LONDON: MESSRS. DULAU & CO., LTD., 34-36, MARGARET STREET, CAVENDISH SQUARE, W. 1.

PATRON.
HIS MAJESTY THE KING.

OFFICERS AND COUNCIL.

President.

SIR E. RAY LANKESTER, K.C.B., LL.D., F.R.S.

Vice-Presidents.

The Duke of BEDFORD, K.G.
The Earl of STRADBROKE, C.V.O., C.B.
Viscount ASTOR.
Lord MONTAGU OF BEAULIEU.
The Earl of BALFOUR, K.G., F.R.S.
The Right Hon. Sir ARTHUR GRIFFITH-
BOSCAWEN.

The Right Hon. AUSTEN CHAMBER-
LAIN, M.P.
G. A. BOULENGER, Esq., F.R.S.
Sir W. B. HARDY, Sec. R.S.
The Right Hon. Sir ARTHUR STEEL-
MAITLAND, Bart., M.P.
Prof. W. C. MCINTOSH, F.R.S.

COUNCIL.

Elected Members.

H. H. DALE, Esq., C.B.E., M.D., F.R.S.
Prof. J. C. DRUMMOND, D.Sc.
G. P. FARRAN, Esq.
Prof. J. STANLEY GARDINER, F.R.S.
Prof. W. GARSTANG, D.Sc.
Prof. E. S. GOODRICH, F.R.S.
LANCELOT T. HOGGEN, Esq., D.Sc.

Sir FREDERICK W. KEEBLE, Sc.D.,
F.R.S.
H. G. MAURICE, Esq., C.B.
C. TATE REGAN, Esq., F.R.S.
T. H. RICHES, Esq.
Prof. D'ARCY THOMPSON, C.B., F.R.S.
Prof. D. M. S. WATSON, F.R.S.

Governors.

G. P. BIDDER, Esq., Sc.D.
E. T. BROWNE, Esq.
LOTHIAN D. NICHOLSON Esq. (Prime
Warden of the Fishmongers' Com-
pany).
W. T. BRAND, Esq. (Fishmongers'
Company).
GEORGE EVANS, Esq. (Fishmongers'
Company).
His Honour JUDGE CHAPMAN (Fish-
mongers' Company).

LOTHIAN D. NICHOLSON, Esq. (Fish-
mongers' Company).
Major NIGEL O. WALKER, O.B.E.
(Fishmongers' Company).
Prof. G. C. BOURNE, D.Sc., F.R.S.
(Oxford University).
Sir ARTHUR E. SHIPLEY, G.B.E., D.Sc.,
F.R.S. (Cambridge University).
P. CHALMERS MITCHELL, C.B.E.,
D.Sc., F.R.S. (British Association).
Prof. E. W. MACBRIDE, D.Sc., F.R.S.
(Zoological Society).

Chairman of Council.

SIR ARTHUR E. SHIPLEY, G.B.E., D.Sc., F.R.S.

Hon. Treasurer.

GEORGE EVANS, Esq., 1, Wood Street, London, E.C. 2.

Hon. Secretary.

E. J. ALLEN, Esq., D.Sc., F.R.S., The Laboratory, Citadel Hill, Plymouth.

PERMANENT STAFF.

Director: E. J. ALLEN, Esq., D.Sc., F.R.S.

Head of Department of General Physiology: W. R. G. ATKINS, Esq., Sc.D., F.I.C., F.R.S.

Senior Naturalist: J. H. ORTON, Esq., D.Sc.

Naturalists.

E. FORD, Esq., A.R.C.Sc.
Miss M. V. LEBOUR, D.Sc.

Director's Research Assistant.

Mrs. E. W. SEXTON, F.L.S.

Assistant Physiologist.

C. F. A. PANTIN, Esq., M.A.

*Hydrographical and Administrative
Assistant.*

H. W. HARVEY, Esq., M.A.

Assistant Naturalists.

F. S. RUSSELL, Esq., D.S.C., D.F.C., B.A.

O. D. HUNT, Esq., B.Sc.

PUBLISHED BY THE
Marine Biological Association
OF
the United Kingdom
OCTOBER, 1925

Cloth, 8vo, 250 pp., 53 text-figures, 35 plates.

THE
DINOFLAGELLATES
OF
NORTHERN SEAS

BY
MARIE V. LEBOUR, D.Sc., F.Z.S.

NATURALIST AT THE LABORATORY OF THE MARINE BIOLOGICAL
ASSOCIATION OF THE UNITED KINGDOM, PLYMOUTH

Price 12/6 nett.

Post free 13/-

Copies may be obtained from THE DIRECTOR, Marine Biological
Laboratory, Citadel Hill, Plymouth; MESSRS. DULAU & Co., LTD.,
34-36 Margaret Street, Cavendish Square, W. 1; or any Bookseller.

ERRATA

- p. 186. Insert in legend to Figure 6, *Solecortus scopula*. 1.
- p. 203, line 35, and p. 220, line 40, for *Eurynome aspersa* read *Eurynome aspera*.
- p. 212, line 29, for *Hippomedon denticulata* read *Hippomedon denticulatus*.
- p. 213, line 37, for *Thione* sp. read *Thyone* sp.
- p. 475, line 16, for “ during the day than during the night ” read “ during the night than during the day.”
- p. 545, line 15, for 478 read $\frac{478}{3}$.
- p. 632, Fig. 23 : this figure is upside down.
- p. 704, first line after Table III, for “later ” read “earlier.”
- p. 754, line 20, for *Sagerheimia* read *Lagerheimia*.
- p. 770, line 7, for “ 9 metres ” read “ 6 metres.”