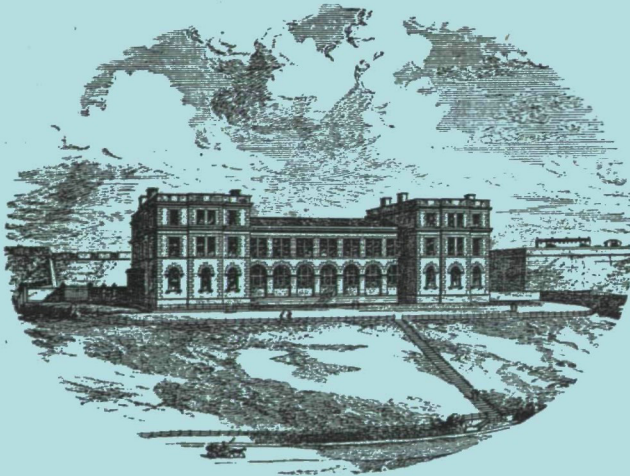


New Ser.—Vol. II, No. 2—issued November, 1891.]

[Price 3s. 6d.

**Journal**  
OF THE  
**MARINE BIOLOGICAL ASSOCIATION**  
OF  
**THE UNITED KINGDOM.**



THE PLYMOUTH LABORATORY.

LONDON :

PRINTED FOR THE MARINE BIOLOGICAL ASSOCIATION BY ADLARD AND SON,  
AND  
PUBLISHED BY THE ASSOCIATION AT ITS OFFICES ON THE CITADEL  
HILL, PLYMOUTH.

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

Agents in London :—Messrs. DULAU & Co., 37, Soho Square, W.

**PATRON.**—H.R.H. THE PRINCE OF WALES, K.G., F.R.S.

---

**OFFICERS AND COUNCIL.**

---

*President.*

Prof. E. RAY LANKESTER, LL.D., F.R.S.

*Vice-Presidents.*

The Duke of ARGYLL, K.G., F.R.S.

The Duke of SUTHERLAND, K.G.

The Duke of ABERCORN, C.B.

The Earl of St. GERMANS.

The Earl of MORLEY.

The Earl of DUCIE, F.R.S.

Lord WALSINGHAM, F.R.S.

Lord REVELSTOKE.

The Right Hon. A. J. BALFOUR, M.P.,  
F.R.S.

The Right Hon. JOSEPH CHAMBER-  
LAIN, M.P.

Prof. G. J. ALLMAN, F.R.S.

Sir EDWARD BIRKBECK, Bart., M.P.

Prof. FLOWER, C.B., F.R.S.

Sir JOHN LUBBOCK, Bart., M.P., F.R.S.

Prof. ALFRED NEWTON, F.R.S.

Sir HENRY THOMPSON.

Rev. Canon NORMAN, D.C.L., F.R.S.

Captain WHARTON, R.N., F.R.S.

---

**COUNCIL.**

**Elected Members.**

Prof. F. JEFFREY BELL, F.Z.S.

FRANK CRISP, Esq., V.P. and Treas.  
Linn. Soc.

W. T. THISELTON DYER, Esq., C.M.G.,  
F.R.S.

JOHN EVANS, Esq., D.C.L., Treas.  
R.S.

Prof. J. C. EWART, M.D.

A. C. L. G. GÜNTHER, Esq., F.R.S.

Prof. A. C. HADDON.

SYDNEY J. HICKSON, Esq., D.Sc.

E. B. POULTON, Esq., F.R.S.

Sir ALBERT ROLLIT, M.P.

P. L. SCLATER, Esq., F.R.S. (Sec. Zool.  
Soc.).

ADAM SEDGWICK, Esq., F.R.S.

Prof. CHARLES STEWART, P.L.S.

Prof. W. F. R. WELDON, Esq., F.R.S.

**Governors.**

ROBERT BAYLY, Esq.

JOHN BAYLY, Esq.

THE PRIME WARDEN OF THE FISH-  
MONGERS' COMPANY.

E. L. BECKWITH, Esq. (Fishmongers'  
Company).

Prof. BURDON SANDERSON, F.R.S.  
(Oxford University).

Prof. MICHAEL FOSTER, F.R.S. (Cam-  
bridge University).

Prof. FLOWER, C.B., F.R.S. (Brit. Asso-  
ciation for Advancement of Science).

*Hon. Treasurer.*

E. L. BECKWITH, Esq., Millfield, Chislehurst, Kent.

---

*Hon. Secretary.*

G. H. FOWLER, Esq., M.A., Ph.D.

**PERMANENT STAFF.**

*Director.*—W. L. CALDERWOOD, Esq., The Laboratory, Citadel Hill,  
Plymouth.

*Naturalist.*—J. T. CUNNINGHAM, Esq., M.A., F.R.S.E.

*Assistant to the Director.*—H. N. DICKSON, Esq., F.R.S.E.