

TRANSACTIONS
OF THE
ROYAL SOCIETY OF EDINBURGH.

TRANSACTIONS
OF THE
ROYAL SOCIETY
OF
EDINBURGH.

VOL. XLVII.

EDINBURGH:

PUBLISHED BY ROBERT GRANT & SON, 107 PRINCES STREET,
AND WILLIAMS & NORGATE, 14 HENRIETTA STREET, COVENT GARDEN, LONDON.

MDCCCXI.

No.	I.	Published	April 15, 1909.	No.	XV.	Published	February 8, 1910.
"	II.	"	May 3, 1909.	"	XVI.	"	March 3, 1910.
"	III.	"	May 25, 1909.	"	XVII.	"	March 24, 1910.
"	IV.	"	May 27, 1909.	"	XVIII.	"	August 30, 1910.
"	V.	"	June 9, 1909.	"	XIX.	"	September 21, 1910.
"	VI.	"	September 13, 1909.	"	XX.	"	January 26, 1911.
"	VII.	"	September 24, 1909.	"	XXI.	"	January 13, 1911.
"	VIII.	"	October 12, 1909.	"	XXII.	"	January 21, 1911.
"	IX.	"	October 13, 1909.	"	XXIII.	"	February 10, 1911.
"	X.	"	October 21, 1909.	"	XXIV.	"	February 4, 1911.
"	XI.	"	December 31, 1909.	"	XXV.	"	March 17, 1911.
"	XII.	"	January 7, 1910.	"	XXVI.	"	March 31, 1911.
"	XIII.	"	January 29, 1910.	"	XXVII.	"	April 18, 1911.
"	XIV.	"	February 1, 1910.	"	XXVIII.	"	April 18, 1911.

INDEX SLIP.

TRANS. R.S.E., VOL. XLVII. PART IV.

WEDDERBURN, E. M., and A. M. WILLIAMS.—Experimental Verification of the Hydrodynamical Theory of Temperature Seiches.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 619–642.

WILLIAMS, A. M., and E. M. WEDDERBURN.—Experimental Verification of the Hydrodynamical Theory of Temperature Seiches.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 619–642.

WEDDERBURN, E. M.—The Temperature Seiche. Part I.—Observations in the Madüsee, Pomerania. Part II.—Hydrodynamical Theory of Temperature Oscillations in Lakes. Part III.—Calculation of the Period of the Temperature Seiche in the Madüsee. Part IV.—Experimental Verification of the Hydrodynamical Theory of Temperature Seiches.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 619–642.

Lakes.—Temperature Observations in the Madüsee, Pomerania—Theory of the Temperature Seiche, by E. M. WEDDERBURN, with Experimental Verification by E. M. WEDDERBURN and A. M. WILLIAMS.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 619–642.

Madüsee, Temperature Observations in the.
E. M. WEDDERBURN.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 619–642.

Seiche, The Temperature. Hydrodynamical Theory by E. M. WEDDERBURN, and Experimental Verification by E. M. WEDDERBURN and A. M. WILLIAMS.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 619–642.

Temperature Observations in the Madüsee.
E. M. WEDDERBURN.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 619–642.

Temperature Seiche, The. Part I.—Observations in the Madüsee, Pomerania. Part II.—Hydrodynamical Theory of Temperature Oscillations in Lakes. Part III.—Calculation of the Period of the Temperature Seiche in the Madüsee, by E. M. WEDDERBURN Part IV.—Experimental Verification of the Hydrodynamical Theory of Temperature Seiches, by E. M. WEDDERBURN and A. M. WILLIAMS.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 619–642.

SEWARD, A. C.—Jurassic Flora of Sutherland.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 643–709.

Sutherland, Jurassic Flora of.
A. C. SEWARD.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 643–709.

Scotland, Jurassic Floras of.

A. C. SEWARD.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 643-709.

Kimeridgian Plants of Sutherland.

A. C. SEWARD.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 643-709.

GORDON, W. T.—On the Structure and Affinities of *Diplolabis römeri* (Solms).

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 711-736.

Diplolabis römeri (Solms), Structure and Affinities of.

W. T. GORDON.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 711-736.

Pettycur, Fossil Plants from.—On the Structure and Affinities of *Diplolabis römeri* (Solms).

W. T. GORDON.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 711-736.

Carboniferous.—Lower Carboniferous Flora of Pettycur, Fife.—On the Structure and Affinities of *Diplolabis römeri* (Solms).

W. T. GORDON.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 711-736.

DICKSON, J. D. HAMILTON.—Thermo-Electric Diagram based on Dewar and Fleming's Observations between -200° C. and +100° C.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 737-791.

Thermo-Electric Diagram from -200° C. to +100° C. based on Dewar and Fleming's Observations.

J. D. HAMILTON DICKSON.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 737-791.

Dewar and Fleming's Thermo-Electric Observations from -200° C. to +100° C., Diagram based on.

J. D. HAMILTON DICKSON.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 737-791.

Fleming and Dewar's Thermo-Electric Observations from -200° C. to +100° C., Diagram based on.

J. D. HAMILTON DICKSON.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 737-791.

LEWIS, F. J.—The Plant Remains in the Scottish Peat Mosses. Part IV.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 793-833.

Peat Mosses, The Plant Remains in the Scottish.

F. J. LEWIS.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 793-833.

Mosses, The Plant Remains in the Scottish Peat.

F. J. LEWIS.

Trans. Roy. Soc. Edin., vol. xlvi., 1911, pp. 793-833.

RITCHIE, JAMES.—On an Entoproctan Polyzoan (*Barentsia benedeni*) new to the British Fauna, with Remarks on Related Species.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 835–848.

Polyzoan (*Barentsia benedeni*) new to the British Fauna, with Remarks on Related Species.
JAMES RITCHIE.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 835–848.

Barentsia benedeni and Related Species of Polyzoa, Remarks on.
JAMES RITCHIE.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 835–848.

Pedicellinidae, On some Species of.
JAMES RITCHIE.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 835–848.

BRIGGS, HENRY.—An Investigation into the Effects of Errors in Surveying.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 849–877.

Surveying, The Effects of Errors in.
HENRY BRIGGS.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 849–877.

Errors.—Effects in Surveying.
HENRY BRIGGS.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 849–877.

Errors.—Vector Errors. Mode of Summing.
HENRY BRIGGS.
Trans. Roy. Soc. Edin., vol. xlvii., 1911, pp. 849–877.