

NEW SOUTH WALES.

**Linnean Society**, July 26.—Mr. A. G. Hamilton, president, in the chair.—R. J. Tillyard: Studies in Australian Neuroptera. No. 4. Descriptions of new genera and species of the families Ithonidæ, Hemero-biidæ, Sisyridæ, Berothidæ, and the new family Trichomatidæ. An attempt is made, by a critical study of the venation, to clear up the difficult question of the relationships of a mass of forms usually relegated to the Hemeroibiidæ. Reasons are given for restricting this family to forms combining a number of characters, among which the principal are the number and structure of the radial sectors.—Dr. A. J. Turner: Studies in Australian Microlepidoptera. Five genera and sixty-five species of Meyrick's two groups, *Œcophorides* and *Eulechriades*, are described as new, and a number of known species are recorded from additional localities.—Rev. W. W. Watts: Some cryptogamic notes from the Botanic Gardens, Sydney.

BOOKS RECEIVED.

Elementary Practical Chemistry. By Profs. F. Clowes and J. B. Coleman. Part ii. Eighth edition. Pp. xvi+255. (London: J. and A. Churchill.) 3s. 6d. net.

A Text-Book of Physics. Edited by A. W. Duff. Fourth edition. Pp. xiv+692. (London: J. and A. Churchill.) 19s. 6d. net.

Om Ole Rømers Opdagelse af Lysets Tøven. By K. Meyer. (København: Høst und Søn.) 2 kronen.

Chemistry for Rural Schools. By E. Jones and J. J. Griffith. Pp. 184. (London: Blackie and Son, Ltd.) 2s. 6d. net.

Typographical Printing Surfaces. By L. A. Legros and J. C. Grant. Pp. xxiv+732. (London: Longmans and Co.) 2l. 2s. net.

Oil-Field Development and Petroleum Mining. By A. B. Thomson. Pp. xix+626+maps viii. (London: Crosby Lockwood and Son.) 25s. net.

A Concordance to the Works of Horace. Compiled and edited by L. Cooper. Pp. ix+593. (Washington: Carnegie Institution.)

The Coal Measures Amphibia of North America. By R. L. Moodie. Pp. x+222+plates 26. (Washington: Carnegie Institution.)

Gonadectomy in relation to the Secondary Sexual Characters of some Domestic Birds. By H. D. Goodale. Pp. 52+plates vii. (Washington: Carnegie Institution.)

A Sylow Factor Table of the First Twelve Thousand Numbers. By H. W. Stager. Pp. xii+120. (Washington: Carnegie Institution.)

The Elements of Reconstruction. Pp. 120. (London: Nisbet and Co., Ltd.) 1s. net.

Australasian Antarctic Expedition, 1911—1914. Scientific Reports. Series C, Zoology and Botany. Vol. iii., part i. Fishes. By E. R. Waite. Pp. 92+plates 5, etc. (Adelaide: R. E. E. Rogers.) 8s. 6d.

DIARY OF SOCIETIES.

THURSDAY, NOVEMBER 16.

INSTITUTION OF MINING AND METALLURGY, at 5.30.—*Informal Discussion*: Standardisation, so far as it affects the Mining and Metallurgical Industries: including the Question of the Adoption of the Metric System.

CHILD STUDY SOCIETY, at 6.—Experiments in Hand-writing in Schools: Speed Tests in Manuscript Writing: Dr. C. W. Kimmins.—The Artistic Aspect of Manuscript Writing: W. Scutt.—Manuscript Writing in a Central School: J. W. Samuel.—Manuscript Writing in a Boys' Elementary School: A. Sinclair.

LINNEAN SOCIETY, at 5.—(1) Pedanios Dioscorides of Anazarba; his Writings and his Commentators; (2) The New Cabinets for the Linnean Herbarium: The General Secretary.—A New Australian Genus of Hydrocharidaceæ: Dr. A. B. Rendle.—Some Collections of the Littoral Marine Fauna of the Cape Verde Islands, made by Cyril Crossland in the Summer of 1904: A. W. Waters.

CHEMICAL SOCIETY, at 8.—A Simple Method of Estimating Arsenic in Organic Derivatives: A. J. Ewins.—A New Method for the Preparation

of Nitrosyl Tribromide: R. L. Datta and N. R. Chatterjee.—Neutral Potassium Persulphate as a Reagent in Organic Chemistry: R. L. Datta and J. N. Sen.—The Hydrolysis of Iron Ammonium Alum: W. N. Rae.

FRIDAY, NOVEMBER 17.

INSTITUTION OF MECHANICAL ENGINEERS, at 6.—Report of the Hardness Tests Research Committee.

MONDAY, NOVEMBER 20.

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Easter Island: Mr. and Mrs. W. Scoresby Routledge.

TUESDAY, NOVEMBER 21.

ZOOLOGICAL SOCIETY, at 5.30.—The Pectoral and Pelvic Arches of the London Specimen of *Archæopteryx*: Prof. B. Petronievics and Dr. A. Smith Woodward.—Studies on the Anoplura and Mallophaga, being a Report upon a Collection from the Mammals and Birds in the Society's Gardens. II.: E. F. Cummings.—Notes on a Collection of Heterocera made by Mr. W. Feather in British East Africa, 1911-13: Lieut.-Col. J. M. Fawcett.

INSTITUTION OF CIVIL ENGINEERS, at 5.30.—Keadby Bridge: J. B. Ball.

INSTITUTION OF PETROLEUM TECHNOLOGISTS, at 8.—The Pyrogenesis of Hydrocarbons: E. L. Lomax, Dr. A. E. Dunstan, and Dr. F. B. Thole.

ROYAL STATISTICAL SOCIETY, at 5.15.—Presidential Address: The Organisation of Registration in its Bearing on Vital Statistics: Sir Bernard Mallet.

WEDNESDAY, NOVEMBER 22.

ROYAL SOCIETY OF ARTS, at 4.30.—The Economic Development of Russia and Britain's Share Therein: I. Urquhart.

GEOLOGICAL SOCIETY, at 5.30.

THURSDAY, NOVEMBER 23.

ROYAL SOCIETY, at 4.—Annual Report of Council.—At 4.30. *Probable Papers*: The Scattering of Plane Electric Waves by Spheres: Dr. T. J. Ia Bromwich.—Numerical Results of the Theory of the Diffraction of a Plane Electromagnetic Wave by a Perfectly Conducting Sphere: J. Proudman, A. T. Doodson, and G. Kennedy.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—The Parallel Operation of Electric Power Stations: J. S. Peck.

CONTENTS.

	PAGE
Northern Counties Lore . . . . .	205
A Composite American Text-book of Geology. By J. W. G. . . . .	206
Radiographic Methods . . . . .	207
Our Bookshelf . . . . .	208
Letters to the Editor:—	
The Concilium Bibliographicum of Zürich.—Herbert Haviland Field . . . . .	209
Scarcity of Wasps.—H. St. George Gray . . . . .	209
A Peculiar Thunderclap.—Prof. Giovanni Platania . . . . .	209
The Pollination of Toadflax.—S. P.; Dr. C. E. Moss . . . . .	209
Scientific Glassware . . . . .	210
Prof. H. H. W. Pearson, F.R.S. By Prof. A. C. Seward, F.R.S. . . . .	211
Prof. Henrik Mohn. By Sir Napier Shaw, F.R.S. . . . .	211
Notes . . . . .	212
Our Astronomical Column:—	
The Eclipsing Binary RX Herculis . . . . .	216
Spectroscopic Resolving Power . . . . .	216
The Minimum Radiation Visually Perceptible . . . . .	216
Meteorology in War . . . . .	216
Education at the British Association . . . . .	217
The British Association at Newcastle:—	
Section K.—Botany.—Opening Address (Abridged) by A. B. Rendle, M.A., D.Sc., F.R.S., President of the Section . . . . .	217
University and Educational Intelligence . . . . .	220
Societies and Academics . . . . .	221
Books Received . . . . .	224
Diary of Societies . . . . .	224

Editorial and Publishing Offices:

MACMILLAN & CO., LTD.,  
ST. MARTIN'S STREET, LONDON, W.C.

Advertisements and business letters to be addressed to the Publishers.

Editorial Communications to the Editor.

Telegraphic Address: PIUSIS, LONDON.

Telephone Number: GERRARD 8830.