

Problem Papers. Supplementary to Algebra for Secondary Schools. By Dr. C. Davison. Pp. 32. (Cambridge: University Press.) 8d.

Canada. Department of Mines. Mines Branch. The Nickel Industry, with Special Reference to the Sunbury Region, Ontario. By Dr. A. P. Coleman. Pp. viii+206+plates. (Ottawa: Government Printing Bureau.)

Biology. By Dr. W. D. Henderson. Pp. 92. (The People's Books series.) (London and Edinburgh: T. C. and E. C. Jack.) 6d. net.

Sir Williams Huggins and Spectroscopic Astronomy. By E. W. Maunder. Pp. 94. (The People's Books series.) (London and Edinburgh: T. C. and E. C. Jack.) 6d. net.

Spiritualism and Psychical Research. By J. A. Hill. Pp. 94. (The People's Books series.) (London and Edinburgh: T. C. and E. C. Jack.) 6d. net.

Entstehung der Welt und der Erde nach Sage und Wissenschaft. By Prof. D. M. B. Weinstein. Zweite Auflage. Pp. vi+116. (Leipzig and Berlin: B. G. Teubner.) 1.25 marks.

Die Dampfmaschine. By Prof. R. Vater. II., Ihre Gestaltung und Verwendung. Pp. vi+99. (Leipzig and Berlin: B. G. Teubner.) 1.25 marks.

Memoirs of the Geological Survey. England and Wales. Explanation of Sheet 339. The Geology of the Country around Newton Abbot. By W. A. E. Ussher. Pp. vi+148+iii plates. (London: H. M. Stationery Office; E. Stanford, Ltd.) 3s.

Viśvakarmā: Examples of Indian Architecture, Sculpture, Painting, Handicraft. Chosen by Dr. A. K. Coomaraswamy. Part v. 12 plates. (London: Luzac and Co., Ltd.) 2s. 6d.

Die Kultur der Gegenwart ihre Entwicklung und ihre ziele. Edited by Prof. P. Hinneberg. Teil iii. and Teil iv. Pp. 84. (Leipzig and Berlin: B. G. Teubner.)

Drapers' Company Research Memoirs. Biometric Series ix. A Monograph on Albinism in Man. By Karl Pearson, E. Nettleship, and C. H. Usher. Part iv. Text. Appendices. Pp. iv+136+xxiii. Part iv. Atlas. Pp. iv+lix plates. (London: Dulau and Co., Ltd.) Text and Atlas, 21s. net.

Department of Marine and Fisheries. Report of the Meteorological Service of Canada, Central Office, Toronto, for the year ended December 31, 1909. Pp. xxi+565+4 plates. (Ottawa.)

Handworterbuch der Naturwissenschaften. Edited by E. Korschelt and others. Lief. 54 and Lief. 55. (Jena: G. Fischer.) 2.50 marks each part.

Probleme der Entwicklung des Geistes. Die Geistesformen. By S. Meyer. Pp. v+429 (Leipzig: J. A. Barth.) 13 marks.

Quantitative Analysis in Practice. By Dr. J. Waddell. Pp. vii+162. (London: J. and A. Churchill.) 4s. 6d. net.

Practical Chemistry. By the late Prof. J. C. Brown. Sixth edition edited by Dr. G. D. Bengough. Pp. 78. (London: J. and A. Churchill.) 2s. 6d. net.

Report of the Commissioner of Education for the Year ended June 30, 1912. Vol. i. Pp. xxvi+647. Vol. ii. Pp. xviii+669. (Washington: Government Printing Office.)

Fire Tests with Glass. Three Window Openings filled in with "Luxfer" Electro-glazing by the British Luxfer Prism Syndicate, Ltd., London. The Committee's Report. Pp. 16. ("Red Books" of the British Fire Prevention Committee, No. 182.) (London: British Fire Prevention Committee.) 2s. 6d.

Practical Mathematics. By N. W. M'Lachlan. Pp. viii+184. (London: Longmans, Green and Co.) 2s. 6d. net.

A Medley of Weather Lore. Collected by M. E. S.

NO. 2291, VOL. 92]

Wright. Pp. 144. (Bournemouth: H. G. Commin.) 2s. 6d. net.

The Modern Geometry of the Triangle. By W. Gallatly. Second edition. Pp. vii+126. (London: F. Hodgson.) 2s. 6d. net.

Medizinische Physik. By Prof. Dr. O. Fischer. Pp. xx+1120. (Leipzig: S. Hirzel.) 36 marks.

The Upper Thames Country and the Severn-Avon Plain. By N. E. MacNunn. Pp. 124. (The Oxford Geographies.) (Oxford: Clarendon Press.) 1s. 8d.

DIARY OF SOCIETIES.

WEDNESDAY, OCTOBER 1.

ENTOMOLOGICAL SOCIETY, at 8.—The Urticating Properties of *Portesia similis*, Fuess.: H. Eltringham.

CONTENTS.

PAGE

Electrical Standards. By C. H. L.	91
Trade Waste Waters	91
Engineering Manuals and Text-books	92
Diet and Health	93
Our Bookshelf	94
Letters to the Editor:	
The Spectra of Helium and Hydrogen.—Prof. A. Fowler, F.R.S.	95
The Elephant Trench at Dewlish—Was it Dug?—Clement Reid, F.R.S.	96
Red-water Phenomenon due to Euglena.—Horace A. Wager	96
Distance of the Visible Horizon.—T. W. Backhouse; Capt. T. H. Tizard, C.B., F.R.S.	96
The Undagraph.—Dr. Otto Klotz	97
Geographical Distribution of Phreatoicus.—Dr. Chas. Chilton	98
The Characters of Hybrid Larvæ obtained by Crossing Different Species of the Genus Echinus. (Illustrated.)—H. G. Newth	98
The "Gesellschaft Urania" of Berlin. (Illustrata.)	99
The Fauna of the Sandwich Islands. By Prof. J. Stanley Gardiner, F.R.S.	101
Sir W. N. Hartley, F.R.S. By E. C. C. B.	102
Dr. Alexander Macfarlane. By Dr. C. G. Knott	103
Dr. Julius Lewkowitsch. By W. J. P.	104
Notes	104
Our Astronomical Column:	
Variable Nebulae	108
Comet (1913b) Metcalf	108
Comet 1913c (Neujmin)	108
Annals of the Bureau of Longitudes	108
Spectrum of Wolf-Rayet Star D.M.+30° 3639	109
The Berlin Meeting of the International Electrotechnical Commission	109
Budgets of Certain Universities and University Colleges in England and Wales	110
The Piltdown Skull	110
The British Association at Birmingham.—Section C.—Geology.—Opening Address by Prof. E. J. Garwood, President of the Section	111
University and Educational Intelligence	121
Societies and Academies	123
Books Received	123
Diary of Societies	124

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: PHUSIS, LONDON.
Telephone Number: GERRARD 8830.