series isolated by Fowler are strictly analogous to principal series in line-spectra; (3) the generalised Rydberg formula, in which the wave number is a function of $m + \mu$, gives the most suitable representation of these series as well as of line-series.—C. **Dobell** and A. P. **Jameson** : The chromosome cycle in Coccidia and Gregarines. The authors have investigated the chromosomes of a coccidian (*Aggregata eberthi*) and a gregarine (*Diplocystis schneideri*). They have found that the chromosomes are present in the haploid ("reduced") number—six in Aggregata, three in Diplocystis—at every nuclear division in the life-history except that of the zygote nucleus. This nucleus contains the diploid number of chromosomes—twelve in Aggregata, six in Diplocystis—and its division is a reduction division which halves the chromosome number. Reduction thus occurs in these organisms immediately after fertilisation, and not during gametogenesis.

Mathematical Society, June 10.—Sir Joseph Larmor president, in the chair.—Prof. W. **Burnside** : Periodic irrotational waves at the surface of deep water.—Prof. M. **Kuniyeda** : A theorem on series of orthogonal functions.—G. R. **Goldsbrough** : The effect on the tides of the variation in the depth of the sea.—Prof. D. **Buchanan** : Oscillations near an isosceles triangle solution of the problem of three bodies, as the finite masses become unequal.

BOOKS RECEIVED.

The General Theory of Dirichlet's Series. By G. H. Hardy and Dr. M. Riesz. Pp. 78. (Cambridge: At the University Press.) 3*s*. 6*d*. net.

The Soul of the War. By P. Gibbs. Pp. 362. (London: W. Heinemann.) 10*s*. 6*d*. net.

Elementary Experimental Statics. By I. B. Hart. Pp. vii + 200. (London: J. M. Dent and Sons, Ltd.) 2*s*. 6*d*.

The People of India. By Sir H. Risley. Second edition. Edited by W. Crooke. Pp. xxxii + 472 + plates xxxv. (Calcutta: Thacker, Spink and Co.; London: W. Thacker and Co.) 21*s*. net.

Making the Most of Life. By Prof. M. V. O'Shea and J. H. Kellogg. Pp. ix + 298. (New York: The Macmillan Company; London: Macmillan and Co., Ltd.) 3*s*. 6*d*.

The Statesman's Year-Book, 1915. Edited by Dr. J. Scott Keltie, assisted by Dr. M. Epstein. Pp. lxxxiv + 1536. (London: Macmillan and Co., Ltd.) 10*s*. 6*d*. net.

Petroleum Technologist's Pocket-Book. By Sir B. Redwood and A. W. Eastlake. Pp. xxiv + 454. (London: C. Griffin and Co., Ltd.) 8*s*. 6*d*. net.

Refuse Disposal. By Prof. E. R. Matthews. Pp. xiii + 160. (London: C. Griffin and Co., Ltd.) 6*s*. net.

The Tokyo Imperial University Calendar, 1913–14. Pp. vi + 349. (Tokyo: Maruya and Co.)

DIARY OF SOCIETIES.

THURSDAY, JUNE 17.

ROYAL SOCIETY, at 4.30.—Analyses of Agricultural Yield. II. The Sowing-date Experiment with Egyptian Cotton, 1913: W. L. Balls and F. S. Holton.—Soil Protozoa and Soil Bacteria: E. J. Russell.—The Enhanced Series of Lines in Spectra of the Alkaline Earths: Prof. W. M. Hicks.—Certain Linear Differential Equations of Astronomical Interest: Prof. H. F. Baker.—The Partial Correlation-Ratio: Prof. Karl Pearson.—The Effect of Temperature on the Hissing of Water when flowing through a Constricted Tube: S. Skinner and F. Entwistle.—Ionisation Potentials of Mercury Cadmium and Zinc and the Single and Many-lined Spectra of these Elements: J. C. McLennan and J. P. Henderson.—A Diagram to Facilitate the Study of External Ballistics: Prof. W. E. Dalby.—The Monoclinic Sulphates containing Ammonium. Completion of the Double Sulphate Series: Dr. A. E. H. Tutton.—And other papers.

LINNEAN SOCIETY, at 5.—Colonel Montagu, Naturalist: Bruce Cummings.—The Fibre of *Calotrobis procera*, and the Cultivation of the Plant from an Economic Point of View: Dr. George Henderson.—The Structure of the Rhizopod Test: John Hopkinson.—Medusæ from the Indian Ocean, collected in 1905: E. T. Browne.—Report on the Hexactinellid Sponges (Triaxonida) collected by H.M.S. *Sealark* in the Indian Ocean: Prof. A. Dendy.—The Cephalopoda obtained by the Percy Sladen Trust Expedition to the Indian Ocean in 1905: J. C. Robson.

MONDAY, JUNE 21.

VICTORIA INSTITUTE, at 4.30.—Annual Address: The Unity of Genesis: Prof. H. Edouard Naville.

WEDNESDAY, JUNE 23.

GEOLOGICAL SOCIETY, at 8.—A New Eurypterid from the Belgian Coal Measures: Prof. Xavier Stainier.—A Fossiliferous Limestone from the North Sea: R. B. Newton.—The Origin of the Tin-ore Deposits of Kinta District, Perak (Federated Malay States): W. R. Jones.

FRIDAY, JUNE 25.

PHYSICAL SOCIETY, at 5.—A Theory of the Electrical Resistance of Metals: Sir J. J. Thomson.—An Unbroken Alternating Current for Cable Telegraphy: Lt.-Col. Squier.

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