

Challenger Society, January 26.—Prof. E. W. McBride in the chair.—C. Tate Regan: Larval fishes from the Antarctic. The development of *Myctophum antarcticum* was contrasted with that of the northern *M. glaciale*, and larval and post-larval stages of species of Nototheniidae and related families were described.

BOOKS RECEIVED.

A History of the Family as a Social and Educational Institution. By Prof. W. Goodsell. Pp. xiv+588. (New York: The Macmillan Company; London: Macmillan and Co., Ltd.) 8s. 6d. net.

Anuario del Observatorio de Madrid para 1916. Pp. 645. (Madrid: Bailly-Balliere.)

Transactions of the Royal Society of Edinburgh. Vol. li. Part 1 (No. 4). The Temperatures, Specific Gravities, and Salinities of the Weddell Sea and of the North and South Atlantic Ocean. By Dr. W. S. Bruce, A. King, and D. W. Wilton. Pp. 169. (Edinburgh: R. Grant and Son; London: Williams and Norgate.) 8s. 3d.

Proceedings of the Royal Society of Edinburgh. Session 1914-15. Part iii., vol. xxxv. Pp. 225-402. (Edinburgh: R. Grant and Son; London: Williams and Norgate.)

East Lothian. By T. S. Muir. Pp. viii+117. (Cambridge: At the University Press.) 1s. 6d. net.

The Observer's Handbook for 1916. Pp. 76. (Toronto: Royal Astronomical Society of Canada.)

Termodynamik. By P. B. Freuchen. Pp. 144. (Kobenhavn: Lehmann and Stages Forlag.)

Calendario del Santuario di Pompei Basilica Pontificia del SS. Rosario in Valle de Pompei, 1916. (Valle di Pompei.)

Senescence and Rejuvenescence. By C. M. Child. Pp. xi+481. (Chicago: University of Chicago Press; London: Cambridge University Press.) 4 dollars net.

Chemical Constitution and Physiological Action. By Prof. L. Spiegel. Translated, with additions, by Dr. C. Luedeking and A. C. Boylston. Pp. v+155. (London: Constable and Co., Ltd.) 5s. net.

Forging of Iron and Steel. By W. A. Richards. Pp. viii+219. (London: Constable and Co., Ltd.) 6s. 6d. net.

The Carnegie Trust for the Universities of Scotland. Fourteenth Annual Report for the year 1914-15. Pp. 81. (Edinburgh: T. and A. Constable.)

Annuaire Astronomique et Météorologique, 1916. By C. Flammarion. Pp. 431. (Paris: E. Flammarion.)

Flora of the Presidency of Madras. By J. S. Gamble. Part 1. Pp. 200. (London: West, Newman and Co., and Adlard and Son.) 8s.

DIARY OF SOCIETIES.

THURSDAY, FEBRUARY 3.

ROYAL SOCIETY, at 4.30.—Note on an Orderly Dissimilarity in Inheritance from Different Parts of a Plant: Prof. W. Bateson and C. Pellew.—Observations on Coprozoic Flagellates, together with a Suggestion as to the Significance of the Kineto-nucleus in the Pinnaculata: H. M. Woodcock.—Investigations dealing with the Phenomena of Clot Formations. III. Further Investigations of the Cholera Gel: S. B. Schryver.—The Mechanism of Chemical Temperature Regulation: J. M. O'Connor.

ROYAL INSTITUTION, at 3.—Industrial Applications of Gaseous Fuels derived from Coal: Prof. W. A. Bone.

FRIDAY, FEBRUARY 4.

ROYAL INSTITUTION, at 5.30.—Fifteen Years of Mendelism: Prof. W. Bateson.

GEOLOGISTS' ASSOCIATION, at 8.—Presidential Address: The Geological History of Flying Invertebrates: G. W. Young.

MONDAY, FEBRUARY 7.

SOCIETY OF ENGINEERS, at 5.30.—Presidential Address: P. Griffith.

ARISTOTELIAN SOCIETY, at 8.—The Relation between the Theoretic and Practical Activities, with some reference to the views of Croce: Miss Hilda D. Oakeley.

SOCIETY OF CHEMICAL INDUSTRY, at 8.

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ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Communications in the Balkans: H. C. Woods.

ROYAL SOCIETY OF ARTS, at 4.30.—National and Historic Buildings in the War Zone: Rev. Dr. G. H. West.

TUESDAY, FEBRUARY 8.

ROYAL INSTITUTION, at 3.—Nerve Tone and Posture: Prof. C. S. Sherrington.

ZOOLOGICAL SOCIETY, at 5.30.—A Collection of Moths made in Somaliland by Mr. W. Feather, with descriptions of new species by Sir G. F. Hampson and others: Prof. E. B. Poulton.—Report on the Deaths which occurred in the Zoological Gardens during 1915, together with a list of the Bl od-parasites found during the year: Prof. H. G. Plimmer.

INSTITUTION OF CIVIL ENGINEERS, at 5.30.—Notes on the working of a Rack Railway: W. T. Lucy.

WEDNESDAY, FEBRUARY 9.

ROYAL SOCIETY OF ARTS, at 4.30.—The Organisation of Scientific Research: Prof. J. A. Fleming.

THURSDAY, FEBRUARY 10.

ROYAL SOCIETY, at 4.30.—*Probable Papers*: The Theory of the Helmholtz Resonator: Lord Rayleigh.—The Oxygen Flame Spectrum of Iron: Sir N. Lockyer and H. E. Goodson.—The Consumption of Carbon in the Electric Arc. II. The Anode Loss: W. G. D. Field and M. D. Wall.—Surface Friction. Experiments with Steam and Water in Pipes: C. H. Lander.—The Structure of broadened Spectrum Lines: T. R. Merton.

ROYAL INSTITUTION, at 3.—Measurement of the Brightness of Stars; Visual and Photographic Magnitudes: Sir F. W. Dyson.

INSTITUTION OF ELECTRICAL ENGINEERS, at 8.—The Testing of Underground Cables with Continuous Current: O. L. Record.

OPTICAL SOCIETY, at 8.—Optical or Visual Signalling: Dr. W. J. Ettles.

FRIDAY, FEBRUARY 11.

ROYAL INSTITUTION, at 5.30.—Egyptian Jewelry: Prof. W. M. Flinders Petrie.

ROYAL ASTRONOMICAL SOCIETY, at 5.—Annual General Meeting.

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