

Mineralogical Society, March 16.—Sir William P. Beale, Bart., president, in the chair.—**A. Russell**: The occurrence of cotunnite, anglesite, leadhillite, and galena on fused lead from the wreck of the fireship *Firebrand*, Falmouth Harbour, Cornwall. The specimens were obtained in 1846 from the wreck of the fireship *Firebrand*, which was burnt in Falmouth Harbour about the year 1780. They were found under the lead pump, most of which appeared to have been melted and mixed with charcoal, and consist of slag-like masses of lead, which has evidently been fused, and upon the surface and interstices of which are numerous well-defined and brilliant crystals of cotunnite and anglesite, and more rarely small crystals of leadhillite and galena. The cotunnite crystals, which are colourless and transparent, with brilliant faces, are nearly always elongated in the direction of the *a* axis, and attain a length of 3 mm. The habit is somewhat variable owing to the very unequal development of the faces. The forms observed were 010, 001, 021, 011, 012, 101, 111, and 112. The anglesite crystals are of rectangular habit, and exhibit the forms 100, 001, 110, 102, 122, and 113. The leadhillite crystals, thin six-sided plates in shape, are of a brown colour, and show the forms 101, 201, 101, 201, 112, 111, 112 and 111. The galena occurs in minute cubo-octahedra. An occurrence of cotunnite formed under almost exactly similar conditions has been described by A. Lacroix. Similar occurrences of lead oxychlorides at Laurium and of leadhillite in Roman slags from the Mendip Hills were referred to.—**W. Campbell Smith**: Riebeckite-rhyolite from North Kordofan, Sudan. A rock found by Dr. C. G. Seligman at the base of Jebel Katul, 350 miles south-west of the Bayuda volcanic field, was described.—**Dr. G. T. Prior**: The meteoric iron of Mount Ayliff, Griqualand East, South Africa. This meteoric iron, found about 1907, is a coarse octahedrite similar in character to Wichita County (Brazos River) and Magura (Arva). On polished and etched surfaces it shows nodules of graphite and troilite, and abundant cohenite crystals arranged parallel to the octahedral bands. It contains about 7 per cent. of nickel.

Books Received.

British Antarctic Expedition, 1910-1913. Meteorology, vol. i., Discussion, by Dr. G. C. Simpson. Pp. x+326+v plates. Vol. ii., Weather Maps and Pressure Curves, by Dr. G. C. Simpson. Pp. 138+23 plates. (Calcutta: Thacker, Spink, and Co.)

The Theory of Determinants in the Historical Order of Development. By Sir Thomas Muir. Vol. iii.: The Period 1861 to 1880. Pp. xxvi+503. (London: Macmillan and Co., Ltd.) 35s. net.

Inbreeding and Outbreeding: Their Genetics and Sociological Significance. By Drs. E. M. East and D. F. Jones. Pp. 285. (Philadelphia and London: J. B. Lippincott Co.) 10s. 6d. net.

The Physical Basis of Heredity. By Prof. T. H. Morgan. Pp. 305. (Philadelphia and London: J. B. Lippincott Co.) 10s. 6d. net.

Psychology from the Standpoint of a Behaviorist. By Prof. J. B. Watson. Pp. xiii+429. (Philadelphia and London: J. B. Lippincott Co.) 10s. 6d. net.

The Theory and Practice of Aeroplane Design. By S. T. G. Andrews and S. F. Benson. Pp. xii+454. (London: Chapman and Hall, Ltd.) 15s. 6d. net.

Science and Theology: Their Common Aims and Methods. By F. W. Westaway. Pp. xiii+346. (London: Blackie and Son, Ltd.) 15s. net.

Monarch: The Big Bear of Tallac. By E. Thompson Seton. Pp. 215. (London: Constable and Co., Ltd.) 7s. 6d. net.

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Animal Heroes. By E. Thompson Seton. Pp. 363. (London: Constable and Co., Ltd.) 8s. 6d. net.

Farm Management. By J. H. Arnold. Pp. vii+243. (New York: The Macmillan Co.; London: Macmillan and Co., Ltd.) 7s. 6d. net.

Cement. By B. Blount. Assisted by W. H. Woodcock and H. J. Gillett. Pp. xii+284. (London: Longmans and Co.) 18s. net.

Diary of Societies.

TUESDAY, APRIL 6.
RÖNTGEN SOCIETY (at Medical Society of London), at 8.15.

WEDNESDAY, APRIL 7.
ROYAL UNITED SERVICE INSTITUTION, at 3.—Lieut. W. S. King-Hall: The Submarine and Future Naval Warfare.
SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS (at Chemical Society), at 8.

THURSDAY, APRIL 8.
OPTICAL SOCIETY, at 7.30.
INSTITUTION OF AUTOMOBILE ENGINEERS (Graduates Section), (at 23, Victoria Street), at 8.—W. D. Pile: The Use of Benzol.

FRIDAY, APRIL 9.
ROYAL ASTRONOMICAL SOCIETY, at 5.
CONCRETE INSTITUTE, at 6.—T. J. Clark: The Uses of Concrete.
MALACOLOGICAL SOCIETY OF LONDON (at Linnean Society), at 6.
INSTITUTION OF MECHANICAL ENGINEERS (Informal Meeting), at 7.—C. H. Woodfield and Others: Discussion on Cranes: Their Use and Abuse.

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