

graphic researches in the Upper Austrian primitive rocks.—M. Sellnick: Zoological expedition to the Ionian Islands and the Peloponnesus. (10) Acari.—A. Zinke and O. Benndorf: Perylene and its derivatives. (34) The hydration of perylene.—Eder, Späth, and Wegscheider: Commission report concerning the discovery of red phosphorus. There have been two claimants, Dr. J. Goldmark and Prof. A. Schrötter. Schrötter's experiments began in 1845. Goldmark was a student in Schrötter's laboratory between 1845 and 1847. Goldmark lectured on red phosphorus in August 1847 at Oedenburg in Hungary. Schrötter's first announcement was to the Vienna Academy in November 1847, published in December 1847. The commission awards priority to Schrötter.

Forthcoming Events

FRIDAY, APRIL 1

SOCIETY OF CHEMICAL INDUSTRY (Manchester Section) (Annual General Meeting) (at Engineers' Club, Manchester), at 7.—F. J. Slec: Laboratory Tests of Lubricants and their Relation to Engine Tests (Lecture).

MANCHESTER ASSOCIATION OF ENGINEERS (Annual General Meeting) (at Engineers' Club, Manchester), at 7.—W. Core: Layout of Machines and Small Tools for Economical Production.

MONDAY, APRIL 4

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.—General Meeting.

INSTITUTION OF ELECTRICAL ENGINEERS (South Midland Centre) (Annual General Meeting) (at Birmingham University), at 7.—E. A. E. Woodward and W. A. Carne: An Analysis of the Costs of Electricity Supply and its Application in Relation to Various Types of Consumers.

SOCIETY OF CHEMICAL INDUSTRY (London Section) (at Royal Institution), at 8.—Sir William Bragg and Dr. G. Shearer: The Application of X-Rays to Chemical Industry (Lecture).

TUESDAY, APRIL 5

ROYAL ANTHROPOLOGICAL INSTITUTE (African Research Committee), at 5.30.—Culture Distribution Maps for Africa.

LONDON NATURAL HISTORY SOCIETY (at London School of Hygiene and Tropical Medicine), at 6.30.—Prof. M. Culpin: Heredity and Disease (Bacot Memorial Lecture).

WEDNESDAY, APRIL 6

ROYAL SOCIETY OF ARTS, at 8.—Dr. F. H. Constable: Light Sensitive Cells in the Service of Man (Lecture).

THURSDAY, APRIL 7

INSTITUTION OF CIVIL ENGINEERS, at 6.—To consider a Provisional Report of a Sub-Committee of the Institution on the Drafting of Bills of Engineering Quantities, together with a List of the Units of Measurement to be Employed.

FRIDAY, APRIL 8

ROYAL SOCIETY OF ARTS (Indian Meeting), at 4.30.—Sir Richard Burn: Recent Developments in Land Revenue and Rent Policy in the United Provinces (Lecture).

SOCIETY OF CHEMICAL INDUSTRY (Chemical Engineering Group) (at Royal Victoria Hotel, Sheffield), at 6.—T. G. Elliot and Dr. W. Cullen: Special Alloy Steels as applied to Chemical Engineering.

INSTITUTE OF FUEL (East Midlands Section) (Annual General Meeting) (at University College, Nottingham), at 7.—V. B. Harley-Mason: Conditioning of Boiler Feed Water.

SOCIETY OF DYERS AND COLOURISTS (Scottish Section) (Annual General Meeting) (at George Hotel, Glasgow), at 7.15.—J. Muir: Some Notes on pH Control by Colorimetric Methods (with demonstrations).

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OIL AND COLOUR CHEMISTS' ASSOCIATION (Manchester Section) (at College of Technology, Manchester).—Annual Meeting.

APRIL 8 TO 11

CONGRESS OF GERMAN PHARMACOLOGICAL SOCIETY (at Wiesbaden).

APRIL 11 TO 14

CONGRESS OF GERMAN SOCIETY FOR INTERNAL MEDICINE (at Wiesbaden).

Official Publications Received

BRITISH

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1486 (Strut. 50): Torsional Loading on Stripped Aeroplane Wings. By Dr. H. Roxbee Cox. Pp. 12+2 plates. (London: H.M. Stationery Office.) 9d. net.

The Imperial Council of Agricultural Research. Scientific Monograph No. 1: The Fungi of India. By Dr. E. J. Butler and Dr. G. R. Bisby. Pp. xviii+237. (Calcutta: Government of India Central Publication Branch.) 6.12 rupees; 11s.

The Indian Forest Records. Silviculture Series, Vol. 16, Part 6: The Use of Stumps (Root and Shoot Cuttings) in Artificial Regeneration. By H. G. Champion and B. D. Pant. Pp. vi+89+8 plates. (Calcutta: Government of India Central Publication Branch.) 2.4 rupees; 4s. 3d.

Journal of the Indian Institute of Science. Vol. 14A, Part 10: The Reactivity of Dimethylidihydroresorcin. Part 2: Behaviour towards *Ortho*-Nitro and *Ortho*-Aminobenzaldehydes. By B. H. Iyer and G. C. Chakravarti. Pp. 157-171. (Bangalore.) 1 rupee.

Tanganyika Territory: Geological Survey Department. Annual Report, 1930. By Dr. E. O. Teale. Pp. ii+34. 2s. 6d. Short Paper No. 9: Shinyanga Diamond Fields. By Dr. E. O. Teale. Pp. iii+89. 4s. (Dar es Salaam: Government Printer.)

Scientific Reports of the Imperial Institute of Agricultural Research, Pusa (including the Reports of the Imperial Dairy Expert, Physiological Chemist, Government Sugarcane Expert, and Secretary, Sugar Bureau), 1930-31. Pp. iv+150+3 plates. (Calcutta: Government of India Central Publication Branch.) 2.6 rupees; 4s. 3d.

FOREIGN

Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 84. Additional New Birds from Peru with a Synopsis of the Races of *Hypophylax naevia*. By M. A. Carricker, Jr. Pp. 7. Geographical Variation in *Trachyphonus margaritatus*. By W. Wedgwood Bowen. Pp. 9-10. (Philadelphia.)

Publications of the Lick Observatory. Vol. 17. Part 1: A Study of the Solar Chromosphere based upon Photographs of the Flash Spectrum taken by Dr. William Wallace Campbell, Director of the Lick Observatory, at the Total Eclipses of the Sun in 1898, 1900, 1905 and 1908, by Donald H. Menzel; Part 2: Halley's Comet in its Apparition of 1909-1911, by Nicholas T. Bobrovnikoff. Pp. v+vi+482+21 plates. (Berkeley, Calif.: University of California Press.)

University of California Publications in American Archaeology and Ethnology. Vol. 29, No. 3: The Southeastern Yavapai. By E. W. Gifford. Pp. iv+177-252+plates 29-35. 1 dollar. Vol. 32, No. 1: Yurok-Karok Basket Weavers. By Lila M. O'Neale. Pp. ii+184+68 plates. 4.50 dollars. Vol. 32, No. 2: Primitive Concepts of Disease. By Forrest E. Clements. Pp. iii+185-252. 75 cents. (Berkeley, Calif.: University of California Press.)

Annuaire de l'Académie Royale des Sciences, des Lettres et des Beaux-Arts de Belgique, 1932. 98^e année. Pp. 198+2 planches. (Bruxelles: Maurice Lamertin.)

Mémoires du Musée Royal d'Histoire Naturelle de Belgique. Mémoire No. 47: Recherches sur les flagellates de Belgique. 1: Flagellates des étangs des "Eaux Douces", à Vieux-Héverlé-lez-Louvain. A. Chrysumonadines—B. Volvocales. Par Dr. W. Conrad. Pp. 65+6 planches. Mémoire No. 48: Das Skelett der Eurhinodelphiden aus dem oberen Miozän von Antwerpen (Teil 3 und Schluss der "Dauphins longirostres du Boldérien (Miocène supérieur) des environs d'Anvers). Von Prof. Dr. Othenio Abel. Pp. 189-334+planches 19-29. Mémoire No. 49: The Free-living Marine Nemas of the Belgian Coast. By J. H. Schuurmans Stekhoven, Jr., and W. Adam. Pp. 58+10 plates. (Bruxelles: Musée Royal d'Histoire Naturelle de Belgique.)

Mémoires du Musée Royal d'Histoire Naturelle de Belgique. Hors Série. Résultats scientifiques du voyage aux Indes Orientales Néerlandaises de LL. AA. RR. le Prince et la Princesse Léopold de Belgique. Vol. 2, Fascicule 7: Annélides polychètes. Par Pierre Fauvel. Publiés par V. Van Straelen. Pp. 28+3 planches. Vol. 2, Fascicule 8: Turbellari della Nuova Guinea. Di A. Palombi. Pp. 14+1 planche. (Bruxelles: Musée Royal d'Histoire Naturelle de Belgique.)

CATALOGUES

Leitz Leica Camera and Accessory Apparatus. Pp. 96. Leitz Hilfs-Geräte für Reproduktionszwecke und Aufnahmen kleiner Objekte mittels der Leica-Kamera. Pp. 24. Leica Zusatz-Apparate für den Wissenschaftler. Pp. 48. (London: E. Leitz.)

A Catalogue of Complete Sets, Long Runs, Early Vols., Individual Parts, of Scarce and Important Periodicals (Scientific, Technical, Medical), Publications of the Learned Societies, a Selection of Works on Botany, Zoology, Geology, Natural History, etc. (No. 3.) Pp. 64. (London: Oppenheim and Co. (Rare Books), Ltd.)

Neu-Erwerbungen (New Acquisitions), III. (No. 72.) Pp. 349-496. (Berlin: W. Junk.)