

## Official Publications Received.

- Bulletin of the American Museum of Natural History. Vol. 56, Art. 2: Tooth Sequences in certain Trilophodont Tetrabelodont Mastodons. By Childs Frick. Pp. 123-178. (New York City.)
- Statens Meteorologisk-Hydrografiska Anstalt. Årsbok, 5, 1923. iv: Meteorologiska iakttagelser i Sverige, Band 65. Pp. x+183. 7 kr. Årsbok, 7, 1925. i: Månadsöversikt över väderlek och vattentillgång jämte anstaltens årsberättelse. Pp. 97. 2.50 kr. (Stockholm.)
- Meddelanden från Statens Meteorologisk-Hydrografiska Anstalt. Band 3, No. 6: Om stormar vid Svealands och Götalands kuster. Av C. J. Östman. Pp. 37. 4 kr. Band 3, No. 7: Om sockerbetsodlingens klimatiska betingelser och bevattningsproblemet. Av L. Högberg. Pp. 11. 1 kr. (Stockholm.)
- Bulletin of the National Research Council. Vol. 10, Part 4, No. 54: Quantum Principles and Line Spectra. By Prof. J. H. Van Vleck. Pp. 316. (Washington, D.C.: National Academy of Sciences.) 3 dollars.
- Report of the Danish Biological Station to the Board of Agriculture, 31, 1925. By Dr. C. G. Joh. Petersen. Pp. 63. (Copenhagen: G. E. C. Gad.)
- Union of South Africa. Department of Mines and Industries: Geological Survey. Memoir No. 24: The Preliminary Report on the Platinum Deposits in the South-Eastern Part of the Rustenberg District, Transvaal. By Dr. Percy A. Wagner. Pp. 39+7 plates. (Pretoria: Government Printing and Stationery Office.) 2s. 6d.

## Diary of Societies.

### SATURDAY, MAY 29.

- ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Prof. A. Moret: Une Révolution sociale en Égypte vers 2000 av. J.-C.
- NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS (Associates' and Students' Section) (Annual General Meeting), at 3.—Discussion on Paper by J. G. Taylor on Coal and its Banded Constituents.—Prof. J. Poole: Notes on the Tour in Belgium and Germany (Address).

### MONDAY, MAY 31.

- ROYAL SOCIETY OF ARTS (Indian Meeting), at 4.30.—Lt.-Col. Sir Arnold Talbot Wilson: The Military Record and Potentialities of the Persian Empire.
- VICTORIA INSTITUTE (at Central Buildings, Westminster), at 4.30.—Major L. M. Davies: Evolution.
- SURVEYORS' INSTITUTION, at 5.—Annual General Meeting.
- ROYAL SOCIETY OF MEDICINE (Otolaryngology Section), at 5.30.—Annual General Meeting and Clinical Meeting.
- ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 8.30.—Dr. F. M. Chapman: Darwin's Chile.

### TUESDAY, JUNE 1.

- SOCIETY OF GLASS TECHNOLOGY (at University College), at 2.30.—Sir W. M. Flinders Petrie: Glass in Early Ages (Demonstration and Lecture).
- ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Brig.-Gen. Sir Percy Sykes: Shah Abbas of Persia, the Contemporary of Queen Elizabeth.
- ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—Secretary: Report on the Additions to the Society's Menagerie during the month of May 1926.—Dr. F. Chapman: Exhibition of Lantern Slides illustrating Bird Life on the Barro Colorado Island.—A. S. Le Souëf: On the Habits of the Order Marsupialia.—Prof. R. T. Leiper: (a) Some Parasites of Rats in the Zoological Society's Gardens; (b) The Starling as a Factor in the Spread of Gapeworm Disease in Chickens.—S. Zuckerman: Growth Changes in the Skull of the Baboon (*Papio porcarius*).—S. Hirst: Descriptions of New Mites, including Four New Species of 'Red Spider'.—J. H. Power: Note on the Occurrence of Hybrid Anura at Lobatsi, Bechuanaland Protectorate.—H. C. Wilkie: The Ossicula auditus of the Common Badger (*Meles taxus*).
- RÖNTGEN SOCIETY (at British Institute of Radiology), at 8.15.

### WEDNESDAY, JUNE 2.

- SOCIETY OF GLASS TECHNOLOGY (at Research Laboratories, General Electric Co. Ltd., Wembley), at 2.15.—J. W. Ryde: A Communication from the Research Laboratories of the General Electric Co. Ltd., Wembley: Opal Glass.—F. F. S. Bryson: The Electrical Conductivity of Glass at High Temperatures.—Edith M. Firth, F. W. Hodkin, M. Parkin, and Prof. W. E. S. Turner: The Influence of Moisture on the Rate of Melting and on the Properties of Soda-Lime-Silica Glasses.—Dr. S. English and Prof. W. E. S. Turner: The Physical Properties of Zinc Oxide containing Glasses.
- ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Prof. Dayton Miller: Ether Drift Experiment at Mount Wilson.
- ROYAL SOCIETY OF MEDICINE, at 5.30.—Sir Jagadis C. Bose: The Action of Alkaloids and Cobra Venom on the Pulse of the Plant and Animal.
- INSTITUTE OF ELECTRICAL ENGINEERS (Wireless Section) at 6.—P. W. Willans: Low Frequency Intervalve Transformer.
- SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS (at Chemical Society), at 8.—A. Lucas: Problems in connexion with Ancient Egyptian Materials.
- ROYAL SOCIETY OF MEDICINE (Surgery Section), at 8.30.—Dr. W. E. Gye: The Origin of Tumours.—J. E. Barnard: Demonstration on Microscopical Methods.

### THURSDAY, JUNE 3.

- IRON AND STEEL INSTITUTE (Annual Meeting) (at Institution of Civil Engineers), at 10 a.m.—Presentation of Bessemer Gold Medal to Sir Hugh Bell, Bart.—Sir W. Peter Rylands: Presidential Address.—Report on Heterogeneity of Steel Ingots. By a Sub-Committee of

Committee No. 5, consisting of Dr. W. H. Hatfield, T. P. Colclough, W. J. Dawson, J. H. S. Dickenson, A. P. Hague, E. F. Law, S. A. Main, T. M. Service, and J. H. Whiteley.—J. H. S. Dickenson: A Note on the Distribution of Silicates in Steel Ingots.—J. H. Whiteley: Ghost Lines and Banded Structure of Rolled and Forged Mild Steels.—At 2.30.—W. H. Dearden and C. Benedicks: Magnetic Changes in Iron and Steel below 400° C.

- ROYAL SOCIETY OF MEDICINE (Laryngology Section), at 3.—Sir William Wilcox: Nasal Sinusitis as a Cause of Toxæmia.—Dr. A. Logan Turner and Dr. F. E. Reynolds: A Fatal Case of Leptomenigitis following Operation on the Ethmoidal Air Cells: with Microscopical Demonstration of the Path of Infection.
- ROYAL SOCIETY, at 4.30.—Dr. A. E. H. Tutton: The Alkali Perchlorates and a New Principle concerning the Measurement of Space-Lattice Cells.—Dr. T. E. Stanton: On the Flow of Gases at High Speeds.—Prof. G. I. Taylor and W. S. Farran: The Distortion of Crystals of Aluminium under Compression. Part I.—Prof. E. V. Appleton, R. A. Watson Watt, and J. F. Herd: On the Nature of Atmospheric. II.—To be read in title only.—Prof. C. H. Lees: On the Determination of the Specific Heats of Gases at Constant Pressure and at Constant Volume and their Ratio by Adiabatic Expansion.—T. G. Room: A General Configuration in Space of any Number of Dimensions analogous to the Double-Six of Lines in Ordinary Space.—C. N. Hinshelwood and W. K. Hutchison: A Comparison between Unimolecular and Bimolecular Gaseous Reactions. The Thermal Decomposition of Gaseous Acetaldehyde.—P. A. M. Dirac: (a) The Elimination of the Nodes in Quantum Mechanics; (b) Relativity Quantum Mechanics with an application to Compton Scattering.—A. Fage and L. J. Jones: On the Drag of an Aerofoil for Two-Dimensional Flow.—F. W. Carter: On the Action of a Locomotive Driving Wheel.

INSTITUTE OF PATHOLOGY AND RESEARCH (St. Mary's Hospital, Paddington), at 5.—Dr. C. S. Myers: Freudian Psychology.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Dr. J. Newton Friend: Iron in Antiquity.

CHEMICAL SOCIETY, at 8.

### FRIDAY, JUNE 4.

- IRON AND STEEL INSTITUTE (Annual Meeting) (at Institution of Civil Engineers), at 10 a.m.—Announcement of the Award of the Andrew Carnegie Research Scholarships for 1926-7.—D. Brownlie: Coal Blending.—W. W. Hollings: Notes on the 'Combustibility' of Coke, and Direct Reduction in the Blast Furnace.—Dr. W. Rosenhain, R. G. Batson, and N. P. Tucker: Effect of Mass in the Heat Treatment of Nickel Steel.—G. R. Woodvine and A. L. Roberts: Influence of Segregation on the Corrosion of Boiler Tubes and Superheaters.—At 2.30.—I. G. Slater and T. H. Turner: The Hardness of Carbon Steels at High Temperatures.—A. R. Page: The Hardening and Tempering of High Speed Steel.—A. E. Cameron and G. B. Waterhouse: The Effects of Arsenic on Steel.—E. D. Campbell and H. W. Mohr: Specific Resistance and Thermo-electro-motive Potential of some Steels differing in Carbon Content.—R. H. Greaves and J. A. Jones: The Ratio of the Tensile Strength of Steel to the Brinell Hardness Number.—H. O'Neill: Deformation Lines in Large and Small Crystals of Ferrite.—A. Osawa: The Relation between Space-Lattice Constant and Density of Iron-Nickel Alloys.—T. E. Rooney and L. M. Clark: The Estimation of Phosphorus in Steels containing Tungsten.

ROYAL SOCIETY OF MEDICINE (Laryngology Section), at 10.30 a.m.—Clinical Meeting.

PHILOLOGICAL SOCIETY (at University College), at 5.—C. T. Onions: Dictionary Evening.

ROYAL SOCIETY OF MEDICINE (Otolaryngology Section), in afternoon.

GEOLOGISTS' ASSOCIATION (at University College), at 7.30.—Prof. S. H. Reynolds: A Geological Tour in South and East Africa (Lecture).

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Prof. J. Garstang: Researches in Palestine.

### SATURDAY, JUNE 5.

- ROYAL SOCIETY OF MEDICINE (Otolaryngology Section), in morning.
- ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Walford Davies: The Triad and the Perfect Fourth; their Uses from Huebald to the Present Day. (With Musical Illustrations.)

## PUBLIC LECTURES.

### MONDAY, MAY 31.

- LONDON SCHOOL OF ECONOMICS, at 5.—Prof. T. H. Pear: Fitness for Work. (Succeeding Lectures on June 1 and 2.)
- IMPERIAL COLLEGE (Royal School of Mines), at 5.15.—Prof. L. Denoël: 'Tubbing Deep Shafts, and Subsidence. (Succeeding Lectures on June 1, 2, and 3.)—Sir T. W. Edgeworth David: Past Ice Ages of the World and their Control of Animal and Plant Life, with special reference to the Australian Evidence. (Succeeding Lecture on June 7.)

### TUESDAY, JUNE 1.

GRESHAM COLLEGE (Basinghall Street), at 6.—Sir A. Walford Davies: Music. (Succeeding Lectures on June 2, 3, and 4.)

### THURSDAY, JUNE 3.

CHELSEA PHYSIC GARDEN (Swan Walk, Chelsea), at 5.—Prof. J. McLean Thompson: The Plant as an Engineer. (Chadwick Lecture.)

## CONFERENCES.

### SATURDAY, MAY 29.

ASSOCIATION OF WOMEN SCIENCE TEACHERS (at Northampton School for Girls), at 12.30.

### JUNE 1 AND 2.

REUNION NEUROLOGIQUE (in Paris).