

Ministerio da Educacao e Sãde Publica. Anuario publicado pelo Observatorio Nacional do Rio de Janeiro para o Anno de 1931. Anno 47. Pp. xv+426. (Rio de Janeiro.)

Japanese Journal of Geology and Geography. Transactions and Abstracts, Vol. 8, No. 3. Pp. iii+113-289+13-27. Japanese Journal of Mathematics. Transactions and Abstracts, Vol. 7, No. 4, March. Pp. 267-346+22. Japanese Journal of Botany. Transactions and Abstracts, Vol. 5, No. 3, March. Pp. v+253-369+55-87. (Tokyo: National Research Council of Japan.)

Egyptian University: Faculty of Medicine. A Study of Hairs and Wools belonging to the Mammalian Group of Animals, including a Special Study of Human Hair, considered from the Medico-Legal Aspect. By Prof. John Glaister, Jun. (Publication No. 2.) Pp. ii+188+145 plates. (Cairo: Misr Press.)

Soil Bulletin. No. 1, December. Pp. iii+38. No. 2, March. Pp. ii+60+9 plates. (Peiping: Geological Survey of China.)

Annales de Zo-ge. Tome 17, Fasc. 4. Pp. C31. (Zi-ka-wei.)

U.S. Department of Commerce: Bureau of Standards. Bureau of Standards Journal of Research. Vol. 6, No. 4, April, R.P. Nos. 292-302. Pp. 523-768. (Washington, D.C.: Government Printing Office.)

Bulletin of the National Research Council. No. 82: List of Seismological Stations of the World. Second edition. Compiled by H. E. McComb and Clarence J. West. Pp. ii+119. (Washington, D.C.: National Academy of Sciences.) 1.50 dollars.

Diary of Societies.

FRIDAY, JUNE 5.

ROYAL SOCIETY OF MEDICINE (Laryngology Section), at 9.30 A.M.—Dr. A. B. Kelly and Prof. L. Findlay: Congenital Shortening of the Oesophagus, and the Thoracic Stomach resulting therefrom.—Dr. H. G. Hodgson: The Radiography of Sinusitis.—Prof. G. Portmann: Treatment of Cicatricial Stenosis of the Oesophagus by Autodilatation.—Sir StClair Thomson: A Permanent Tracheostomy in Stenosis of the Larynx.—At 5.—O. O. Popper: Demonstration of Broncho-oesophagoscope.

ROYAL SOCIETY OF ARTS (Indian Section), at 4.30.—Mrs. Patrick Villiers-Stuart: The Indian Paradise Garden (Sir George Birdwood Memorial Lecture).

PHYSICAL SOCIETY (at Imperial College of Science and Technology), at 5.—Dr. H. C. Hepburn: Electro-osmosis and Electrolytic Water-transport. Part 2.—J. S. Badami: Spectra of Trebly and Quadruply Ionised Antimony Sb I V and Sb V.—G. I. Finch, R. W. Sutton, and A. E. Tooke: A Time Base for the Cathode-ray Oscillography of Irregularly Recurring Phenomena.—Dr. R. L. Smith-Rose and J. S. McPetrie: The Attenuation of Ultra-short Radio Waves due to the Resistance of the Earth.—Prof. S. Chapman: The Absorption and Dissociative Ionising Effect of Monochromatic Radiation in an Atmosphere on a Rotating Earth. Part 2. Grazing Incidence.—A Ripple-tank Demonstration of Beats as Moving Interference Fringes, by M. O. Clarke.

GEOLOGISTS' ASSOCIATION (in Architectural Theatre, University College), at 7.30.—R. O. Jones: The Development of the Tawe Drainage.—Dr. S. W. Woodrige and C. J. C. Ewing: Further Observations on the Geology of the Lane End Eocene Outlier.

WEST LONDON MEDICO-CHIRURGICAL SOCIETY (at Kensington Town Hall), at 8.15.—Prof. J. S. Huxley: Development in Relation to Heredity and Evolution (Cavendish Lecture).

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Prof. E. W. MacBride: Habit—the Driving Force in Evolution.

TUESDAY, JUNE 9.

MINERALOGICAL SOCIETY, at 5.30.—G. E. L. Carter: On an Occurrence of Vanadiferous Nodules on the Coast of South Devon.—M. H. Hey: Studies on the Zeolites. Part II. Thomsonite (including Feroelite) and Gonnardite.—A. Russell: An Account of British Mineral Collectors and Dealers in the 17th, 18th, and 19th Centuries (continued).—Dr. L. J. Spencer: (a) Hoba (South-West Africa), the Largest Known Meteorite; (b) Twelfth List of New Mineral Names.—Dr. J. L. E. Drugman: On Different Habits of Fluorite Crystals.

ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—Prof. T. Thomson Flynn: Exhibition of Photographs of Living Tasmanian Marsupials.—Prof. J. Huxley: The Relative Size of Antlers in Deer.—T. L. Green: The Anatomy and Histology of the Alimentary Canal in the Common Wasp, *Vespa vulgaris*.—Dr. Marion A. Hamilton: The Morphology and Biology of *Nepa cinerea* Linn.—S. Manlik: On the Structure of the Larvæ of Hispine Beetles.—Prof. F. H. Edgeworth: (a) On the Muscles used in Shutting and Opening the Mouth; (b) On the Development of the External Ocular, Masticatory, and Hyoid Muscles of the Monotremata; (c) On the Development of the External Ocular, Masticatory, and Hyoid Muscles of *Sphenodon punctatus*.—Joyce Omer-Cooper: Report on the Dytiscidæ (Coleoptera), Mr. Omer-Cooper's Investigation of Abyssinian Fresh-waters (Dr. Hugh Scott's Expedition).

QUEKETT MICROSCOPICAL CLUB (at 11 Chandos Street, W.1), at 7.30.—Prof. H. S. Hoiden: Wound-healing in Plants.

ROYAL SOCIETY OF MEDICINE (Disease in Children Section), at 8.30.—Prof. A. Calmette: B.C.G. Immunisation of Infants.

WEDNESDAY, JUNE 10.

RESEARCH DEFENCE SOCIETY (Annual General Meeting) (at 11 Chandos Street, W.1), at 3.30.—Dr. H. H. Dale: The Effect of Research on Curative Medicine (Stephen Paget Memorial Lecture).

FARADAY SOCIETY (at Chemical Society), at 8.—Annual General Meeting.—At 8.15.—Dr. W. H. J. Vernon: (a) A Laboratory Study of the Atmospheric Corrosion of Metals. Part I. The Corrosion of Copper in Certain Synthetic Atmospheres, with particular reference to the Influence of Sulphur Dioxide in Air of Various Relative Humidities; (b) An Air Thermostat for Quantitative Laboratory Work.—Dr. W. H. J. Vernon and L. Whitby: The Quantitative Humidification of Air in Laboratory Experiments.

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INSTITUTION OF STRUCTURAL ENGINEERS (at 10 Upper Belgrave Street), at 8.—H. A. Holt: The Art of Making and Using Concrete (2): The Raw Materials of Concrete and their Field Testing.

ELECTROPLATERS' AND DEPOSITORS' TECHNICAL SOCIETY (at Northampton Polytechnic Institute), at 8.15.—W. T. Griffiths: Continental and American Practice in Nickel Deposition.

ROYAL SOCIETY OF MEDICINE (Surgery Section) (Annual Meeting) (at Manchester Royal Infirmary).

THURSDAY, JUNE 11.

ROYAL SOCIETY, at 4.30.—M. L. E. Oliphant: Electron Emission from Langmuir Probes and from the Cathode of the Glow Discharge through Gases.—H. E. Watson, G. Gundu Rao, and K. L. Ramaswamy: The Dielectric Coefficients of Gases. Part I.—G. D. Bengough, A. R. Lee, and F. Wormell: The Theory of Metallic Corrosion. IV.

OPTICAL SOCIETY (at Imperial College of Science and Technology), at 8.—Sir John H. Parsons: Young's Theory of Colour Vision (Thomas Young Oration).

FRIDAY, JUNE 12.

ROYAL ASTRONOMICAL SOCIETY, at 5.—Dr. L. J. Comrie: Note on Mr. Chappell's Method of Second Difference Integration.—Bertha Swirles: The Absorption Coefficient of a Degenerate Gas.—G. Castelnovo: De Sitter's Universe and the Motion of Nebulae.

ROYAL SOCIETY OF MEDICINE (Ophthalmology Section), at 5.—Annual General Meeting.

MALACOLOGICAL SOCIETY OF LONDON (at Linnean Society), at 6. ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Dr. C. L. Woolley: Latest Excavations at Ur.

PUBLIC LECTURES.

FRIDAY, JUNE 5.

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE (Public Health Division), at 5.—R. R. Hyde: Industrial Welfare.

TUESDAY, JUNE 9.

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE (Public Health Division), at 5.—Sir George Buchanan: International Hygiene.

INSTITUTE OF PATHOLOGY AND RESEARCH (St. Mary's Hospital, W.2), at 5.—Prof. J. S. Haldane: The Problems of Silicosis.

WEDNESDAY, JUNE 10.

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE (Public Health Division), at 5.—A. T. Pike: Town Planning.

FRIDAY, JUNE 12.

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE (Public Health Division), at 5.—Sir Thomas Legge: Industrial Poisonings.

CONFERENCES.

JUNE 9 TO 12.

INSTITUTE OF BRITISH FOUNDRYMEN (at Birmingham).

Wednesday, June 10 (morning) (at Grand Hotel).—A. Harley: Presidential Address.

G. W. Spring: The Effect of Elevated Temperatures on Grey Iron Castings.

Prof. H. Thyssen: Factors in the Conductivity of Irons

M. Arzens: The Laboratory and the Foundry.

E. N. Simons: The Merchandising of Castings.

Dr. J. G. A. Skerl: Sands and Sand Testing.

J. Arnott: Silicon as an Alloying Element.

W. C. Devereux: High-Duty Light Alloys.

Thursday, June 11 (at Coventry).—L. H. Pomeroy: The Relationship between the Engineering and the Foundry Trades.

J. G. Pearce: Recent Developments in Cast Iron in Great Britain.

JUNE 10 TO 13.

SOUTH-EASTERN UNION OF SCIENTIFIC SOCIETIES (at Winchester).

Wednesday, June 10, at 8.—Sir J. Arthur Thomson: Some Natural History Problems of the Countryside (Presidential Address).

Thursday, June 11 (Botanical Section), at 11 A.M.—J. Groves: Stone-works, Ancient and Modern.

At 11.45 A.M.—Prof. S. Mangham: Plants as Civil Engineers.

(Archeological Section), at 11 A.M.—Dr. W. E. St. L. Finny: The Kings of Wessex from Egbert to Athelstan.

At 12.45.—The late A. Hadrian Alleroff: The Pre-History of the Village Church. Part 2.

Friday, June 12 (Geological Section), at 10.30 A.M.—Prof. H. L. Hawkins: Some Generalisations on the Nature, Deposition, and Palaeontological Implications of the Chalk.

At 11.45 A.M.—F. H. Edmunds: The Relation of Soil and Geology of the Weald.

(Zoological Section), at 10.30 A.M.—J. F. Marshall: The Stereoscopic Photomicrographs of Fossil Insects exhibited in the Congress Museum.

At 11 A.M.—H. Main: Insect Observations Underground.

At 12.—E. A. Martin: The Making of Pearls.

At 8 P.M.—W. P. D. Stebbing: A Motor Tour of 7500 miles from the Transvaal to Western Uganda (Public Lecture).

Saturday, June 13 (Regional Survey Section), at 11 A.M.—H. J. E. Peake: Archeological Surveys.

SUMMER MEETING.

JUNE 11 TO 13.

NEWCOMEN SOCIETY FOR THE STUDY OF THE HISTORY OF ENGINEERING AND TECHNOLOGY (at Sheffield).