

pillars. Other parasites have been reported after disappearance for periods varying up to twenty-five years.—W. E. Castle: Does the inheritance of differences in general size depend upon general or special size factors? A reply to the criticism by Sumner in the November issue of the Proceedings. The genetic factors affecting total size in mammals are general in action.—H. F. Osborn: Discoveries during the season of 1923 by the third Asiatic Expedition in Mongolia. The principal discovery was in eastern Mongolia, where rich dinosaur beds, probably of Cretaceous age and Æolian origin, were found. The dominant animal, found in all stages of development, was Protoceratops. From the close of Tertiary time, Mongolia must have been a fertile, richly inhabited country, possibly an evolution centre of land reptiles during the Age of Reptiles.—C. C. Trowbridge: Spectra of meteor trails. It is considered that the lines of the spectra of meteor trails are in at least as good agreement with those of the afterglow of nitrogen as with those of certain other elements which have been suggested as forming part of the trail, and other characteristics of meteor trails are thought to confirm this suggestion.—G. L. Clark and W. Duane: (1) On tertiary X-radiation, etc. Experiments described in the December issue of the Proceedings were continued, using molybdenum and silver as secondary radiators. The results confirm the previous findings: there is no evidence of the shift of 0.024 Å.U. in the scattered radiation required by Compton's theory. (2) Further experiments upon the reflection by a crystal of its characteristic X-radiation. Precision measurements of the characteristic spectrum of iodine reflected through 5 orders by the 100 planes of potassium iodide. The relatively great intensity of the fifth order peaks appears to be connected with the fact that within this angular range the anomalous reflection of iodine rays coincides with the regular reflection from the 100 planes. The grating space is 3.532 Å.U.—G. E. Hale: The law of sun-spot polarity (see NATURE, January 19, p. 105).

Official Publications Received.

Journal of the College of Agriculture, Hokkaido Imperial University, Sapporo, Japan. Vol. 12, Part 1: A Contribution to our Knowledge of the Flora of Northern Saghalien. By Yushun Kudo. Pp. 68+12 plates. (Sapporo.)

The British Cast Iron Research Association. Second Annual Report of the Council for the Year ending June 30th, 1923. Pp. 19. (Birmingham: Central House, New Street.)

Reprint and Circular Series of the National Research Council. No. 50: Second Report of the Committee on Contact Catalysis. Pp. 141. (Washington, D.C.: National Academy of Sciences.) 50 cents.

Bulletin of the National Research Council. Vol. 7, Part 4, No. 40: Honors Courses in American Colleges and Universities. By Frank Aydelotte. Pp. 57. (Washington, D.C.: National Academy of Sciences.) 75 cents.

The Physical Society of London: Proceedings. Vol. 36, Part 2, February 15. Pp. 67-151. (London: Fleetway Press, Ltd.) 6s. net.

Imperial Department of Agriculture for the West Indies. Sugar-Cane Experiments in the Leeward Islands: Report on Experiments with Varieties of Sugar-Cane conducted in Antigua, St. Kitts-Nevis and Montserrat in the Season 1921-22. Pp. iii+56. (Barbados.) 1s

The Ninetieth Annual Report of the Royal Cornwall Polytechnic Society. New Series. Vol. 5, Part 1, 1923. Pp. xii+78+14. (Camborne.) 5s.

The War Office: Report of the Air Survey Committee. No. 1, 1923 Pp. 131. (London: H.M. Stationery Office.) 4s. 6d. net.

Royal Botanic Gardens, Kew. Bulletin of Miscellaneous Information, 1923. Pp. iv+416+48. (London: H.M. Stationery Office.) 10s. net.

Stonyhurst College Observatory. Results of Geophysical and Solar Observations, 1923; with Reports and Notes of the Director, Rev. A. L. Cortie. Pp. xx+48. (Blackburn.)

Diary of Societies.

SATURDAY, MARCH 22.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Ernest Rutherford: Properties of Gases in High and Low Vacua (3).
BRITISH PSYCHOLOGICAL SOCIETY (at King's College), at 3.—W. E. Armstrong: The Psychological Method in Anthropology.—H. E. O. James: The Motor Aspect of Rhythm.

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MONDAY, MARCH 24.

VICTORIA INSTITUTE (at Central Buildings, Westminster), at 4.30.—W. E. Leslie: Telepathy.
INSTITUTION OF MECHANICAL ENGINEERS (Graduates' Section), at 7.—Informal Discussion on Failure in Metals.
ROYAL SOCIETY OF ARTS, at 8.—Dr. T. Slater Price: Certain Fundamental Problems in Photography (Cobb Lectures) (1).
ROYAL SOCIETY OF MEDICINE (Odontology Section), at 8.—E. Fish: A Compound Composite Odontome.—G. Northcroft: The Clinical Aspect of the Care of Children's Teeth.
ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 8.30.—Dr. L. Koch: Northward of Greenland.

TUESDAY, MARCH 25.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. I. G. Parsons: Some Wasting Disorders of Early Infancy (Goulstonian Lectures) (1).
INSTITUTION OF AUTOMOBILE ENGINEERS (Annual General Meeting) (at Royal Society of Arts), at 6.30.—H. S. Rowell: Balancing of Automobile Engines.
INSTITUTE OF MARINE ENGINEERS, INC., at 6.30.—J. Ward: Some Notes on the Theory of Lubrication, with particular application to the Michell Thrust and Journal Bearings.
ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—J. D. Johnston: Developments of Pictorial Photography in England and America.

WEDNESDAY, MARCH 26.

BRITISH SOCIETY OF MASTER GLASS-PAINTERS (at 6 Queen Square, W.C.1), at 5.30.—Dr. T. M. Legge: Specimens of 15th Century Stained Glass.—F. S. Eden: Ancient Stained Glass in London.
RADIO SOCIETY OF GREAT BRITAIN (at Institution of Electrical Engineers), at 6.—A. A. Campbell Swinton: The Possibility of Electrical Television, both with and without Wires (Lecture).
ROYAL MICROSCOPICAL SOCIETY (Industrial Applications Section), at 7.—J. E. Barnard: Lecture Demonstration.—G. O. Searle: Methods of Mass Production in Sectioning Flax Stems.—H. Wrighton: Microscopical Metallurgy.
ROYAL SOCIETY OF ARTS, at 8.—N. Green: The Fishing Industry and its By-Products.

THURSDAY, MARCH 27.

CHEMICAL SOCIETY (Annual General Meeting), at 4.—Prof. W. P. Wynne: Presidential Address.
ROYAL SOCIETY, at 4.30.—Prof. W. A. Bone, A. R. Pearson, and R. Quarendon: Researches on the Chemistry of Coal. Part III. The Extraction of Coals by Benzene under Pressure.—R. V. Southwell and Sylvia W. Skan: The Stability under Shearing Forces of a Flat Elastic Strip.—J. E. P. Wagstaff: Experiments on the Duration of Impacts, mainly of Bars with Rounded Ends, in elucidation of the Elastic Theory.—To be read in title only.—N. Ahmad: Absorption of Hard γ -Rays by Elements.—E. V. Evans and H. Stanier: Sulphur Studies in Coal Gas. I. The Removal of Carbon Bisulphide by a Nickel Catalyst.
ROYAL AERONAUTICAL SOCIETY, at 5.—Annual General Meeting.
ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. L. G. Parsons: Some Wasting Disorders of Early Infancy (Goulstonian Lectures) (2).
ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Prof. D. S. M. Watson: Evolution To-day (2).
INSTITUTION OF ELECTRICAL ENGINEERS at 6.—Lt.-Col. H. E. O'Brien: The Future of Main Line Electrification on British Railways.
ROYAL SOCIETY OF MEDICINE (Urology Section), at 8.30.—C. Morson: Treatment of Carcinoma of the Prostate.

FRIDAY, MARCH 28.

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—Sir Arthur Keith: Specimens illustrating the various Maldevelopments of the Palate. (Demonstration.)
INSTITUTION OF MECHANICAL ENGINEERS (jointly with the Institution of Civil Engineers), at 6.—Discussion on the Report of the Joint Committee on Standard Tests for Hydraulic Power Plants.
ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—Capt. A. G. Buckham: The Way of the Lovely Sky.
JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—A. J. Simpson: Wood-wool; its Manufacture and Application.
ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Dr. H. Maclean: Insulin.

SATURDAY, MARCH 29.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Sir Ernest Rutherford: Properties of Gases in High and Low Vacua (4).

PUBLIC LECTURES.

SATURDAY, MARCH 22.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—H. N. Milligan: The Natural History of Subterranean Animals.

WEDNESDAY, MARCH 26.

UNIVERSITY COLLEGE, at 6.—Prof. Karl Pearson: The Contributions of Sir Francis Galton to Psychology.

FRIDAY, MARCH 28.

COUNCIL CHAMBER, OLD COUNTY HALL, SPRING GARDENS, at 8.—J. T. Quinton: The Sanitary Inspector in the Machinery of the Public Health Service (Chadwick Lecture).

SATURDAY, MARCH 29.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—S. H. Warren: Prehistoric Man and the "Land of Lyonesse."