

problem of elastic statics.—N. Spampinato: Physical bases of relativity.—G. Agamennone: Further researches on the earthquake of March 15, 1923.—C. Di Capua: Hardness of tin-cadmium and tin-bismuth alloys. The hardness curves for both these series of alloys are abnormal but become normal after the alloys have been reheated.—C. Riccomanni: Relationships between chemical constitution and taste. For a compound to exhibit a taste resembling that of pepper, the presence of the piperidine grouping in the molecule is shown to be unnecessary.—E. Grill: Crystalline magnesite of the Valle della Germanasca.

March 2.—V. Volterra, president, in the chair.—M. Cisoetto: Viscous rotations.—S. Franchi: Concealed strata of Mount Ausoni and Mount Lepini and of the pre-Apenne districts of Campania and Latium.—E. Soler: Gravity measurements in the Carso region.—G. Albanese: Arithmetical nature of algebraic varieties of four dimensions.—B. Segre: Linear systems tangential to any system of forms.—M. Maggini: Measurements of the distances of double stars by means of the micrometer and of the interferometer. The results of preliminary tests indicate that the interferometer method may be useful in investigating the systematic errors of measurements made with the micrometer.—E. Fossa-Mancini: So-called shaly clays of the pre-Apenne district near Modena.—C. Porlezza: Arc spectrum of silicon in relation to spectrographic analysis. Descriptions are given of the appearance of the band spectra of silicon in the spectrograms of rocks with different contents of silicon. When silica is present in large proportions in material to be subjected to spectrographic analysis, its preliminary removal is advisable.

### Official Publications Received.

Department of Commerce: Bureau of Standards. Scientific Papers of the Bureau of Standards, No. 482: Gravitational Anisotropy in Crystals. By Paul R. Heyl. Pp. 307-324. (Washington: Government Printing Office.) 10 cents.

The Rockefeller Foundation: A Review for 1923. By George E. Vincent. Pp. 48. (New York City.)

Records of the Survey of India. Vol. 17: Memoir on Maps of Chinese Turkistan and Kansu, from the Surveys made during Sir Aurel Stein's Explorations 1900-1, 1906-8, 1913-5. By Aurel Stein; with Appendices by Major K. Mason and J. de Graaff Hunter. Pp. xv+208+30 plates +48 maps+12 charts. (Dehra Dun: Trigonometrical Survey Office.)

Instituts scientifiques de Buitenzorg ("s Lands Plantentuin." Treubia: Recueil de travaux zoologiques, hydrobiologiques et océanographiques. Vol. 5, livraison 1-3, février 1924. Pp. 298. (Buitenzorg.) 2.50 fl.

Tanganyika Territory Exhibition Handbook. Pp. iv+215+xxiii. (Wembley: Issued by the British Empire Exhibition Central Committee of Tanganyika.) 1s.

County Borough of Eastbourne. Annual Report of the Meteorological Observations for the Year 1923. Pp. 40. (Eastbourne: Public Health Department, Town Hall.)

Smithsonian Miscellaneous Collections. Vol. 76, No. 10: Explorations and Field-Work of the Smithsonian Institution in 1923. (Publication 2752.) Pp. iii+128. (Washington: Smithsonian Institution.)

Falmouth Observatory. Report of the Joint Observatory Committee to the Royal Cornwall Polytechnic Society and to the Falmouth Town Council for the Year 1923. Pp. 4. (Falmouth.)

Falmouth Observatory. Meteorological Notes and Tables for the Year 1923. By Joshua Bath Phillips. Pp. 8. (Falmouth.)

Studies from the Research Division, Connaught Antitoxin Laboratories, University of Toronto. Vol. 1: 1917-1922. Pp. 176. (Toronto.)

State of Illinois. Department of Registration and Education: Division of the Natural History Survey. Bulletin, Vol. 14, Article 10: On the Numbers and Local Distribution of Illinois Land Birds of the Open Country in Winter, Spring and Fall. By Stephen A. Forbes and Alfred O. Gross. Pp. 397-453. (Urbana, Ill.)

Department of the Interior: Bureau of Education. Bulletin, 1923, No. 59: Schools and Classes for Feeble-minded and Subnormal Children, 1922. Pp. 22. (Washington: Government Printing Office.) 5 cents.

Classified List of Smithsonian Publications available for Distribution, March 1, 1924. Compiled by Helen Munroe. (Publication 2755.) Pp. v+30. (Washington: Smithsonian Institution.)

Department of the Interior: United States Geological Survey. Bulletin 750-B: Origin of certain rich Silver Ores near Chloride and Kingman, Arizona. By Edson S. Bastin. Pp. 17-39. 5 cents. Water-Supply Paper 439: The Occurrence of Ground Water in the United States; with a Discussion of Principles. By Oscar Edward Meinzer. Pp. xi+321+31 plates. 60 cents. Water-Supply Paper 492: Summary of Hydrometric Data in Washington, 1878-1919. By Glenn L. Parker and Lasley Lee. Pp. viii+363+8 plates. 40 cents. Water-Supply Paper 497: The Salton Sea Region, California; a Geographic, Geologic, and Hydrologic Reconnaissance, with a Guide to Desert Watering Places. By John S. Brown. Pp. xv+292+19 plates. 50 cents. (Washington: Government Printing Office.)

### Diary of Societies.

SATURDAY, MAY 24.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—Dr. G. W. Alcock: Musical Ornamentation: Its Origin and Development.

MONDAY, MAY 26.

INSTITUTE OF PHYSICS (Annual General Meeting) (at Royal Society), at 4.30.—Hon. Sir Charles Parsons: Presidential Address.

VICTORIA INSTITUTE (at Central Buildings, Westminster), at 4.30.—Col. H. Biddulph: The True Harmony of Man.

ROYAL GEOGRAPHICAL SOCIETY (Anniversary Meeting) (at Æolian Hall), at 5.—Presidential Address—Presentation of Annual Report—Presentation of Gold Medals and other Awards.

ROYAL SOCIETY OF MEDICINE (Otolaryngology Section) (at Royal College of Surgeons), at 5.30.—Annual General Meeting.

BRITISH PSYCHOLOGICAL SOCIETY (Education Section) (at London Day Training College), at 6.—W. H. Winch: Should Poems be learnt by School Children as Wholes or Parts?

TUESDAY, MAY 27.

SOCIETY OF GLASS TECHNOLOGY (Joint Meeting with the British Society of Master Glass Painters) (at University College), at 3.—Miss Ethel Mellor: The Decay of Window Glass from the Point of View of Lichenous Growths.—N. Heaton: The Decay of Medieval Stained Glass.—Prof. W. E. S. Turner: The Weathering and Decay of Glass.

ROYAL SOCIETY OF ARTS (Dominions and Colonies Section), at 4.30.—Dr. C. G. Cullis: The Geology and Mineral Resources of Cyprus.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Major W. S. Tucker: Acoustical Problems (I): Indoor Problems.

ROYAL SOCIETY OF MEDICINE (Medicine Section), at 5.30.—Annual General Meeting.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—F. L. Emanuel: Etching.

WEDNESDAY, MAY 28.

ROYAL SOCIETY OF ARTS, at 4.30.—Mrs. A. McGrath (Rosita Forbes): The Position of the Arabs in Art and Literature.

RADIO SOCIETY OF GREAT BRITAIN (at Institution of Electrical Engineers), at 6.—Major H. P. T. Lefroy: Wireless in British Military Aircraft up to August 1914 (Lecture).

ROYAL MICROSCOPICAL SOCIETY (Industrial Applications of the Microscope Section), at 7.—J. E. Barnard: Lecture Demonstration on Technical Microscopy.—E. S. Leicester: The Use of the Microscope in the Examination of Paper.—K. MacLennan: The Microscopy of Soaps.—R. and J. Beck, Ltd.: Exhibit of a New Analysing Prism for Use over the Object Glass, which does not possess any Astigmatism.—Ogilvy and Co.: Exhibit of Leitz Binocular Tube Attachment for Monocular Stands, and New Leitz Dissecting Microscope.

THURSDAY, MAY 29.

ROYAL SOCIETY, at 4.30.—Prof. D. M. S. Watson: The Origin of the Amphibia (Croonian Lecture).

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Prof. C. G. Seligman: Divine Kings and Rainmakers of the Sudan.

ROYAL SOCIETY OF MEDICINE (Urology Section), at 8.30.—Annual General Meeting.

FRIDAY, MAY 30.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Scientific and Technical Group), at 7.—Prof. The. Svedberg, O. H. Schunk, and H. Andersson: The Relation between Exposure and Number of Developable Centres.—F. F. Renwick: Factors affecting Grain Size in Emulsions.

ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—L. Bull: Recent Developments in High Speed Cinematography.

SATURDAY, MAY 31.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—C. Nabokoff: Shakespeare in Russia.

PUBLIC LECTURES.

MONDAY, MAY 26.

KING'S COLLEGE, at 5.30.—Prof. A. J. Toynbee: The Saviour King in Greek Tradition.

TUESDAY, MAY 27.

BEDFORD COLLEGE, at 8.—Miss Constance Smith: Women in Dangerous Trades (Chadwick Lecture).

WEDNESDAY, MAY 28.

KING'S COLLEGE, at 5.30.—Prof. A. J. Sargent: The Trade of the Empire.

THURSDAY, MAY 29.

INSTITUTE OF PATHOLOGY AND RESEARCH, ST. MARY'S HOSPITAL, at 5.—Dr. G. M. Holmes: The Ductless Glands and Personality.

UNIVERSITY COLLEGE, at 5.30.—Prof. A. N. Whitehead: The Nature of Science.

FRIDAY, MAY 30.

BRITISH EMPIRE EXHIBITION (Conference on Science and Labour), at 11 A.M.—Rt. Hon. Sidney Webb, Sir Richard Glazebrook, Major A. G. Church, and others: The Place of Science in Government. Chairman: Sir Richard Gregory.—At 3.—H. Hirst, Sir Oliver Lodge, Sir Daniel Hall, A. P. M. Fleming, and others: Scientific Research in Relation to Industry. Chairman: Rt. Hon. Lord Askwith.—At 8.—Rt. Hon. Lord Ashfield, Sir Hugh Bell, Bk. W. Straker, and others: Co-operation of Science and Labour in Production. Chairman: C. T. Cramp.

UNIVERSITY COLLEGE, at 5.15.—Prof. A. Haas: Objective and Subjective Physics.

SATURDAY, MAY 31.

BRITISH EMPIRE EXHIBITION (Conference on Science and Labour), at 11.—Sir Arthur Newsholme, Dr. C. S. Myers, Dr. Cyril Burt, Miss May Smith, and others: Science and the Human Factor. Chairman: Miss Margaret Bondfield.—At 3.—R. H. Tawney, Sir Thomas Holland, Dr. R. P. Scott, and others: Science in Educational Organisation. Chairman: Rt. Hon. Arthur Greenwood.