

## Diary of Societies.

SATURDAY, APRIL 28.

ROYAL SANITARY INSTITUTE (at Guildhall, Worcester), at 10 A.M.—T. Caink and others: Discussion on The Worcester Activated Sludge Plant.  
 INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (W. Midland District) (at Borough Hall, Stafford), at 11 A.M.—W. Plant: Recent Municipal Work in Stafford.  
 NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS (Associates and Students' Section) (jointly with Graduate Sections of North-East Coast Institution of Engineers and Shipbuilders, and Institution of Electrical Engineers) (at Neville Hall, Newcastle-upon-Tyne), at 2.30.—L. H. Forster: Notes on the Conversion of Main Pumping from Steam to Electricity, with Special Reference to the Plant Installed at Messrs. The Stella Coal Company's Clara Vale Pit.—*Papers open for Discussion*:—Some Notes on Accidents from the Use of Explosives, by W. B. Brown; Roof Control on Longwall Faces, J. F. C. Friend.

MONDAY, APRIL 30.

INSTITUTE OF ACTUARIES, at 5.—P. C. Crump: War-time Finance—A Résumé of Financial Conditions during and after the War as they affected Life Insurance Companies.  
 ROYAL SOCIETY OF ARTS, at 8.—A. G. Huntley: Applied Architectural Acoustics (Dr. Mann Lectures) (III).

TUESDAY, MAY 1.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. E. P. Poulton: An Experimental Study of certain Visceral Sensations (Oliver-Sharpey Lectures) (I).  
 ROYAL SOCIETY OF MEDICINE (Orthopædics Section), at 5.30.—Annual General Meeting.  
 ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—Dr. G. M. Vevers and R. A. Smith: Exhibition of Flint Implements, Flakes, and Cores of Human Origin but of Uncertain Age collected at the Society's Estate at Whipnade.—H. B. Cott: Report on the Zoological Society's Expedition to the Zambesi, 1927.—O. W. Richards: The Species of *Notogonia* (Hymenoptera, Laridae) occurring in the Mediterranean Basin.—Dr. J. Waterston: The Mallophaga of Sand-Grouse.  
 LONDON NATURAL HISTORY SOCIETY (at Winchester House, E.C.), at 6.30.—Dr. S. A. Neave: Mt. Mlange in Nyasaland and its Insect Fauna.  
 ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Pictorial Group), at 7.—The late Mr. Greenall: Southern Italy.  
 INSTITUTION OF AUTOMOBILE ENGINEERS (Luton Graduates' Section) (at Royal Hotel, Luton), at 7.30.—G. D. Ricketts: Modern Methods of Engineering Inspection.  
 DIESEL ENGINE USERS' ASSOCIATION (at 19 Cadogan Gardens, S.W.3).—M. Gercke: Some Considerations regarding the Peak Load Problem and High-powered Peak Load Diesel Engines.

WEDNESDAY, MAY 2.

ROYAL SOCIETY OF MEDICINE (History of Medicine Section) (Annual General Meeting), at 5.—Papers on the Sources of Harvey:—Prof. F. J. Cole: The History of Embryology.—Dr. J. F. Prendergast: Galen.  
 INSTITUTION OF ELECTRICAL ENGINEERS (Wireless Section), at 6.—M. G. Scroggie and others: Informal Discussion on Screened-grid Valves.  
 SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS (at Chemical Society), at 8.—A. L. Williams: Locust Kernel Gum and Oil.—Dr. W. R. Schoeller and E. F. Waterhouse: Investigations into the Analytical Chemistry of Tantalum, Niobium, and their Mineral Associates. XII. Observations on the Pyrosulphate Hydrolysis Method.—D. B. S. Evans and S. G. Clarke: A New Precipitation Method for the Determination of Vanadium, and its Application to Steel Analysis.—Dr. P. Houseman: Method for the Analysis of Liquorice Mass.  
 ROYAL SOCIETY OF ARTS, at 8.—W. Taylor: Standardisation in Apparatus for Science Teaching.  
 ROYAL MICROSCOPICAL SOCIETY (Biological Section).

THURSDAY, MAY 3.

IRON AND STEEL INSTITUTE (Annual Meeting) (at Institution of Civil Engineers), at 10 A.M.—Presentation of Bessemer Gold Medal to C. M. Schwab.—Presidential Address: The History and Latest Development of the Basic Open-Hearth Process.—E. C. Evans and F. J. Bailey: Blast-Furnace Data and their Correlation.—J. H. Jones, J. G. King, and F. S. Sinnatt: Reactivity of Coke.—T. Thomson: The New Plant of the Appleby Iron Co., Ltd.—J. E. Holgate and R. F. Walton: Blast-Furnace Practice in Natal.  
 At 2.30.—H. J. Tapsell: The Fatigue Resisting Properties of 0.17 per cent. Carbon Steel at Different Temperatures and at Different Mean Tensile Stresses.—J. A. Jones: The Properties of Nickel Steels with Special Reference to the Influence of Manganese.—A. B. Everest and D. Hanson: The Influence of Nickel in Iron-Carbon-Silicon Alloys containing Phosphorus.—J. Swan: The Effect of Silicon on Tungsten Magnet Steel.—A. Westgren, G. Phragmén, and Tr. Negresco: On the Structure of the Iron-Chromium-Carbon System.  
 CERAMIC SOCIETY (at Atlantic Hotel, Newquay), at 10.30 A.M.—Prof. D. A. Moulton: Refractory Material used as Mortar for Laying up Refractories.—W. J. Rees and W. Hugill: The Effect of Substituting High Silica Sand for some Grades in Lime-bonded Silica Bricks.—G. M. Gill: New Developments in Gas Works Carbonising Plant, with Special Reference to Refractory Materials.—A. T. Green: The Vitrification of Clay Products.—P. Cooper: Refractory Formers for Electric

Heating Elements; Some Problems in the Manufacture and Use.—W. Emery: Notes on Refractories for Salt Glaze Kilns.  
 ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Dr. E. P. Poulton: An Experimental Study of certain Visceral Sensations (Oliver-Sharpey Lectures) (II).  
 CHEMICAL SOCIETY, at 5.30.—P. D. Coppock, V. Subramaniam, and T. K. Walker: The Mechanism of the Degradation of Fatty Acids by Mould Fungi. Part II.—A. Robertson and R. Robinson: Experiments on the Synthesis of Anthocyanins. Part V. A Synthesis of 3- $\beta$ -glucosidyl-pelargonidin Chloride which is believed to be identical with Callistephin Chloride.—Dr. H. J. Emelûs: The Phosphorescent Flame of Sulphur.—A. J. Berry and Prof. T. M. Lowry: Studies of Valency. Part IX. Molecular Structure of Thallium Salts. (a) Thallium Triiodide (with Mrs. R. R. Goldstein); (b) Alkyl-derivatives (with F. L. Gilbert).  
 INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—F. H. Rosencranz: Practice and Progress in Combustion of Coal as applied to Steam Generation.  
 ROYAL SOCIETY OF MEDICINE (Tropical Diseases Section), at 8.15.—Annual General Meeting.

FRIDAY, MAY 4.

IRON AND STEEL INSTITUTE (Annual Meeting) (at Institution of Civil Engineers), at 10 A.M.—Report of the Committee on Heterogeneity of Steel Ingots.—V. Harbord: A Comparison of the Most Important Methods Employed in the Cleaning of Blast-Furnace Gas.—Dr. W. H. Hatfield: Heat-Resisting Steels. Part II. Mechanical Properties.  
 At 2.30.—T. Swinden and P. H. Johnson: Chromium Steel Rails.—Dr. J. Newton Friend: A Study of the Resistance of Over-Stressed Wrought Irons and Carbon Steels to Salt-Water Corrosion.—W. E. Woodward: The Rapid Normalising of Overstrained Steel.—A. L. Norbury and T. Samuel: The Recovery and Sinking-in or Piling-up of the Material in the Brinell Test and the Effects of these Factors on the Correlation of the Brinell with certain other Hardness Tests.—H. O'Neill: Twin-Like Crystals in Annealed  $\alpha$ -Iron.  
 ROYAL ASTRONOMICAL SOCIETY, at 4.30.—Geophysical Discussion: Meteors.—Mr. Whipple, Prof. Lindemann, and others.  
 ROYAL SOCIETY OF MEDICINE (Laryngology Section), at 5.—Annual General Meeting.  
 BRITISH PSYCHOLOGICAL SOCIETY (Æsthetics Section) (at Bedford College), at 5.30.—J. A. Thorburn: Is there a Logic of the Imagination?  
 ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Informal Meeting of Pictorial Group), at 7.  
 JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—F. C. Dain: The Application of Electricity to Domestic Purposes.  
 GEOLOGISTS' ASSOCIATION (at University College), at 7.30.—G. M. Lees: The Chert Beds of Palestine.—Dr. P. K. Ghosh: The Mineral-Assemblage of the Falmouth Granite.  
 PHILOLOGICAL SOCIETY (at University College) (Anniversary Meeting), at 8.—Prof. D. Jones: Report on Progress of Phonetics.—N. B. Jopson: Report on Board of Comparative Philology.  
 ROYAL INSTITUTION OF GREAT BRITAIN, at 9.—Rt. Hon. R. McKenna: Credit and Currency.

SATURDAY, MAY 5.

ROYAL SANITARY INSTITUTE (at Guildhall, Preston), at 10 A.M.—Prof. F. E. Wynne and others: Discussion on The Present Position of the Milk Supply.  
 BRITISH MYCOLOGICAL SOCIETY (at Cheshunt).—Phytopathological Meeting.

## PUBLIC LECTURES.

TUESDAY, MAY 1.

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE, at 5.—Prof. F. Oppenheimer: Tendencies in Recent German Sociology. (Succeeding Lectures on May 2 and 3.)  
 UNIVERSITY COLLEGE, at 5.—Dr. J. H. Burn: The Pharmacological Evidence for Current Methods of Treatment. (Succeeding Lectures on May 2 and 3.)—At 5.30.—Dr. D. R. Fox: Civilisation in Transit.  
 GRESHAM COLLEGE, at 6.—Sir Robert Armstrong-Jones: Physic. (Succeeding Lectures on May 2, 3, and 4.)

WEDNESDAY, MAY 2.

LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE, at 5.—Dr. H. Hall: Some Common Factors in the Economic and Social Development of England in Medieval and post-Medieval Times. (Succeeding Lectures on May 9, 16, 23, and 30.)  
 KING'S COLLEGE, at 5.30.—Dr. W. B. Brierley: Present Tendencies in the Study of Plant Disease.

THURSDAY, MAY 3.

EAST LONDON COLLEGE, at 3.—Prof. W. C. McC. Lewis: Some Physico-chemical Aspects of Malignant Tissue (Cancer)  
 INSTITUTION OF PATHOLOGY AND RESEARCH, ST. MARY'S HOSPITAL, at 5.—Prof. D. W. Carmalt-Jones: Iodine in Relation to Goitre.

FRIDAY, MAY 4.

OXFORD UNIVERSITY, at 5.—Prof. D. M. S. Watson: Palæontology and the Origin of Man (Romanes Lecture).  
 ROYAL COLLEGE OF SCIENCE, at 5.—Prof. G. Elliot Smith: Conversion in Science (Huxley Memorial Lecture).  
 KING'S COLLEGE, at 5.30.—Dr. J. A. Bierens de Haan: Animal Psychology for Biologists. (Succeeding Lectures on May 9 and 11.)