

## Diary of Societies.

SATURDAY, NOVEMBER 26.

**NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS** (Associates and Students' Section) (at Newcastle-upon-Tyne), at 3.—Mr. Cox: Modern Mining Instruments (Lecture).—The following papers will be open for further discussion:—Feeding and Treatment of Animals Below Ground and Stabling, by W. S. Rider; Remarks on the Mines (Working Facilities and Support) Act, 1923, by J. S. Robinson.

**ROYAL INSTITUTION OF GREAT BRITAIN**, at 3.—G. Holst: Samuel Wesley and Robert Pearsall (II.).

**INSTITUTE OF BRITISH FOUNDRYMEN** (East Midlands Branch) (at Technical College, Derby), at 6.—J. E. Fletcher: The Control of Hardness, Softness, and Soundness in Grey Iron Castings.

**INSTITUTE OF BRITISH FOUNDRYMEN** (Newcastle and District Branch) (at Neville Hall, Newcastle-on-Tyne), at 6.15.—W. West: Oil Sand for Motor Cylinders.

MONDAY, NOVEMBER 28.

**ROYAL SOCIETY OF ARTS** (Dominions and Colonies Section), at 4.30.—H. E. the Spanish Ambassador: A Short Explanatory Lecture on a Film showing the Visit of the King and Queen of Spain to the Djebala and Rif Country of Morocco.—At 8.—Prof. H. C. H. Carpenter: Alloy Steels, their Manufacture, Properties, and Uses (Cantor Lectures) (III.).

**INSTITUTE OF ACTUARIES**, at 5.—H. E. Raynes: The Place of Ordinary Stocks and Shares (as distinct from fixed interest bearing Securities) in the Investments of Life Funds.

**INSTITUTION OF ELECTRICAL ENGINEERS** (North-Eastern Centre) (at Armstrong College, Newcastle-upon-Tyne), at 7.—H. S. Cohen: Apparatus Standards of Telephonic Transmission, and the Technique of Testing Microphones and Receivers.

**INSTITUTION OF AUTOMOBILE ENGINEERS** (Scottish Centre) (at Royal Technical College, Glasgow), at 7.30.—Capt. C. H. Kuhne: Military Transport Vehicles—Recent Development and their Commercial Significance.

**ROYAL SOCIETY OF MEDICINE** (Odontology Section), at 8.—B. Underwood: Case of Pain and Swelling in Submaxillary Gland caused by Pressure of Denture.—I. S. Spain: The Uses of Nitrous Oxide and Oxygen in Dentistry.

**ROYAL AERONAUTICAL SOCIETY** (Leeds Branch).—Prof. B. M. Jones: The Control of Stalled Aeroplanes.

**MEDICAL SOCIETY OF LONDON**.—T. P. Legg and others: Discussion on the Society's Report on the late Results of Operation for Carcinoma of the Breast.

TUESDAY, NOVEMBER 29.

**ROYAL INSTITUTION OF GREAT BRITAIN**, at 5.15.—Sir William H. Bragg: A Year's Work in X-Ray Crystal Analysis (II.).

**INSTITUTION OF CIVIL ENGINEERS**, at 6.—G. L. Watson: The Design and Construction of the Sewage-Treatment Works of the City of Trenton, New Jersey, U.S.A.

**INSTITUTION OF ELECTRICAL ENGINEERS** (North-Western Centre) (at Engineers' Club, Manchester), at 7.—A. H. Law and J. P. Chittenden: Higher Steam Pressures and their Application to the Steam Turbine.

**INSTITUTE OF METALS** (Birmingham Local Section) (jointly with Birmingham Metallurgical Society and Staffordshire Iron and Steel Institute) (at Engineers' Club, Birmingham), at 7.—Dr. G. D. Bengough: Corrosion.

**ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN**, at 7.—Dr. C. V. Drysdale: The Wave Theory and Measurement of Lens Aberrations (Traill-Taylor Memorial Lecture).

**INSTITUTION OF ELECTRICAL ENGINEERS** (North Midland Centre) (at Hotel Metropole, Leeds), at 7.15.—Informal Discussions on Oil-Electric Automatic Control of a Hydro-Extractor, J. V. Levett and others, and The Contractor's Place in the Industry, H. Moss and others.

**NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS** (Middlesbrough Branch) (at Cleveland Scientific and Technical Institution, Middlesbrough), at 7.30.—W. C. Freeman: The Production and Modern Application of Dissolved Acetylene.

**ROYAL ANTHROPOLOGICAL INSTITUTE**, at 8.30.—Y. K. Suominen: The Latest Pictures of the Finnish People.

WEDNESDAY, NOVEMBER 30.

**ROYAL INSTITUTE OF PUBLIC HEALTH**, at 4.—Prof. Blair Bell: The Prevention of Cancer.

**ROYAL SOCIETY**, at 4.—Anniversary Meeting.

**GEOLOGICAL SOCIETY OF LONDON**, at 5.30.—C. W. Osman: The Granites of the Scilly Isles, and their Relation to the Dartmoor Granites.

**ELECTRICAL ASSOCIATION FOR WOMEN** (at E.L.M.A. Lighting Service Bureau, 15 Savoy Street), at 7.—Miss M. Partridge: Simple Household Repairs.

**INSTITUTION OF ELECTRICAL ENGINEERS** (South Midland Centre) (at Birmingham University), at 7.—P. R. Coursey and H. Andrews: Battery Eliminators.

**NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS** (Graduate Section) (at Bolbec Hall, Newcastle-upon-Tyne), at 7.15.—H. Reed: Boiler Performance.

**GLASGOW UNIVERSITY ALCHEMISTS' CLUB** (jointly with Glasgow University Geological Society) (in Glasgow University), at 7.30.—Prof. P. G. H. Boswell: Refractories.

**ROYAL SOCIETY OF ARTS**, at 8.—Prof. H. E. Armstrong: Marcellin Berthelot and Synthetic Chemistry.

THURSDAY, DECEMBER 1.

**ELECTRICAL ASSOCIATION FOR WOMEN** (at E.L.M.A. Lighting Service Bureau, 15 Savoy Street), at 8.—L. E. Buckell: Colour Lighting for Home Decoration.

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**LINNEAN SOCIETY OF LONDON**, at 5.—Miss D. Aubertin and G. C. Robson: Discussion—Are the Mollusca a Monophyletic Group?—A. T. Hopwood: Exhibition of Vertebrate Remains from the Miocene of Kenya Colony.

**ROYAL INSTITUTION OF GREAT BRITAIN**, at 5.15.—Dr. R. E. M. Wheeler: London before the Norman Conquest (III.).

**INSTITUTION OF ELECTRICAL ENGINEERS**, at 6.—R. B. Matthews: Electric Ploughing.

**ROYAL AERONAUTICAL SOCIETY**, at 6.30.—Major J. D. Rennie: The Problem of the Long Range Flying Boat.

**CHEMICAL SOCIETY**, at 8.—Dr. T. A. Henry and H. Paget: Action of Beckmann's Chromic Acid Mixture on some Monocyclic Terpenes.—R. Grindley and Dr. F. L. Pyman: The Condensation of Glyoxalines with Formaldehyde.—W. Hubbard and Dr. F. L. Pyman: Glyoxaline-4(5)-formaldehyde.—G. F. Smith and Prof. T. M. Lowry: Studies of Dynamic Isomerism. Part XXVI. Consecutive Changes in the Mutarotation of Galactose.—O. L. Brady and C. V. Reynolds: Triazole Compounds. Part II. Methylation of some 1-Hydroxy-1,2,3-benzotriazoles.—D. R. Boyd and D. E. Ladhams: The Reaction between Diaryloxy-isopropyl Alcohols and Phosphorus Oxychloride in the Presence of Pyridine.

**INSTITUTION OF MECHANICAL ENGINEERS** (Glasgow Branch).—Sir William H. Bragg: Application of X-rays to the Study of the Crystalline Structure of Materials (Thomas Hawksley Lecture).

FRIDAY, DECEMBER 2.

**ROYAL ASTRONOMICAL SOCIETY**, at 5.—Geophysical Discussion:—Dr. C. Chree, Mr. Jolly, Mr. Greaves, and others: Magnetic Field Observations and Observatory Records. Chairman, Sir Frank Dyson.

**ROYAL SOCIETY OF MEDICINE** (Laryngology Section), at 5.—Dr. W. L. Watt, Dr. Finzi, and others: Discussion on Deep X-ray and Radium Therapy as Applied to the Mouth and Upper Respiratory Tract.

**INSTITUTION OF MECHANICAL ENGINEERS**, at 6.—E. G. Herbert: Cutting Tools Research Committee. Report on Cutting Temperatures: Their Effect on Tools and on Materials subjected to Work.

**NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS** (at Mining Institute, Newcastle-upon-Tyne), at 6. A. L. Ayre: Essential Aspects of Form and Proportions as affecting Merchant Ship Resistance, and a New Method of Estimating E.H.P.

**SOCIETY OF CHEMICAL INDUSTRY** (Manchester Section) (jointly with Fuel Section) (at Engineers' Club, Manchester), at 7.—Dr. J. A. Bowie: Coal and Co-partnership.

**ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN** (Pictorial Group, Informal Meeting), at 7.—A. H. Blake: The Pictorial Aspect of Old Buildings.

**JUNIOR INSTITUTION OF ENGINEERS** (Informal Meeting), at 7.30.—Questions and Discussions.

**GEOLOGISTS' ASSOCIATION** (at University College), at 7.30.—Dr. S. W. Wooldridge: The 700 foot Platform in the London Basin.—Dr. A. K. Wells and Dr. S. W. Wooldridge: On the Rock Groups of Jersey with special reference to Intrusive Phenomena at Ronze.

**PHILOLOGICAL SOCIETY** (at University College), at 8.—Dr. O. Vočadlo: Purism.

**OXFORD UNIVERSITY JUNIOR SCIENTIFIC CLUB**.—J. Lee: Automatic Telephones.

SATURDAY, DECEMBER 3.

**ROYAL INSTITUTION OF GREAT BRITAIN**, at 3.—G. Holst: Samuel Wesley and Robert Pearsall (III.).

**INSTITUTE OF CHEMISTRY** (Manchester and District Section) (at Manchester)—Address by Chairman.

PUBLIC LECTURES.

SATURDAY, NOVEMBER 26.

**HORNIMAN MUSEUM** (Forest Hill), at 3.30.—J. E. S. Dallas: Nature in the Alps.

MONDAY, NOVEMBER 28.

**UNIVERSITY OF LEEDS**, at 5.15.—Prof. B. M. Jones: The Dynamics of the Lifting Wing.

**EAST ANGLIAN INSTITUTE OF AGRICULTURE** (Chelmsford), at 7.—J. R. Bond: Soil Cultivation.

TUESDAY, NOVEMBER 29.

**UNIVERSITY OF BRISTOL** (Physiological Theatre), at 8.15.—Dr. H. Devine: The Reality of Delusions (Long Fox Memorial Lecture).

WEDNESDAY, NOVEMBER 30.

**KING'S COLLEGE**, at 5.30.—H. Ward: The Training College.

**UNIVERSITY COLLEGE**, at 5.30.—H. Jenkinson: Scals, Medieval and Modern.

**LONDON SCHOOL OF ECONOMICS**, at 6.—J. J. Walsh: Office Machinery: Management Statistics.

THURSDAY, DECEMBER 1.

**LONDON SCHOOL OF ECONOMICS**, at 5.—Prof. I. v. Mises: Economic Theory and the Social Problem. (Succeeding Lecture on Dec. 6.)

SATURDAY, DECEMBER 3.

**HORNIMAN MUSEUM** (Forest Hill), at 3.30.—C. Daryll Fordé: Natural Man.

CONGRESSES.

DECEMBER 7 AND SUCCEEDING DATES.

FIFTH PAN-AMERICAN CHILD CONGRESS (at Havana, Cuba).

DECEMBER 13 TO 16.

**INTERNATIONAL CONFERENCE ON LIGHT AND HEAT IN MEDICINE AND SURGERY** (at Central Hall, Westminster).—Papers by Prof. Leonard Hill, Prof. I. M. Heilbron, Dr. F. Hermand-Johnson, Dr. F. H. Humphris, Dr. H. S. Banks, Dr. E. P. Cumberbatch, Dr. J. Saidman, Dr. L. G. Dufestel, and Dr. F. Nagelschmidt.