

The Institution of Civil Engineers. Engineering Abstracts prepared from the Current Periodical Literature of Engineering and Applied Science, published outside the United Kingdom. Supplement to the Minutes of Proceedings of the Institution. Edited by W. F. Spear. New Series, No. 21, October. Pp. 193. (London: Great George Street.)  
 Dominion Museum. Monograph No. 7: A Bibliography of Printed Maori to 1900. By Dr. Herbert W. Williams. Pp. xvi+198. (Wellington, N.Z.: W. A. G. Skinner.)

## Diary of Societies.

### SATURDAY, NOVEMBER 1.

GILBERT WHITE FELLOWSHIP (at Queen Square, W.C.), at 3.—Sir A. Daniel Hall: The Countryside in English Literature (Presidential Address).

### MONDAY, NOVEMBER 3.

ROYAL SOCIETY OF EDINBURGH, at 4.30.  
 ROYAL INSTITUTION, at 5.—General Meeting.  
 SOCIETY OF ENGINEERS (at Geological Society), at 5.30.—Capt. W. J. Liberty: Underground London.  
 INSTITUTION OF ELECTRICAL ENGINEERS (Western Centre) (at Public Library, Swansea), at 6.—R. G. Isaacs and others: Discussion on Power Factor Improvement.  
 INSTITUTION OF ELECTRICAL ENGINEERS (Mersey and North Wales (Liverpool) Centre) (at Liverpool University), at 7.—H. H. Harrison: Chairman's Address.  
 ARISTOTELIAN SOCIETY (at University of London Club, 21 Gower Street, W.C.), at 8.—Prof. A. D. Lindsay: What does the Mind construct? (Presidential Address).  
 SOCIETY OF CHEMICAL INDUSTRY (London Section) (at Chemical Society), at 8.—W. J. U. Woolcock: Experiments in Protection.  
 LEICESTER LITERARY AND PHILOSOPHICAL SOCIETY (at Leicester Museum), at 8.—Prof. H. H. Swinerton: Man 100,000 B.C.  
 ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 8.30.—Presidential Address.  
 ROYAL GEOGRAPHICAL SOCIETY (at Æolian Hall), at 8.30.—Sir Aurel Stein: Innermost Asia: Its Geography as a Historical Factor (First Asia Lecture).

### TUESDAY, NOVEMBER 4.

ROYAL HORTICULTURAL SOCIETY, at 4.—Lecture.  
 MINERALOGICAL SOCIETY (at Geological Society), at 5.30.—Anniversary Meeting.  
 INSTITUTION OF PETROLEUM TECHNOLOGISTS (at Royal Society of Arts), at 5.30.—C. M. Hunter: The Oilfields of Argentina.  
 ZOOLOGICAL SOCIETY OF LONDON, at 5.30.—Sir A. Smith Woodward: Exhibition of a Plaster Cast of a Fossil Egg of a Dinosaur.—D. Seth-Smith: Exhibition of Rare Amazon Parrots from Dominica and bower of Australian Regent-Bird.—S. Hirst: Three new Acari belonging to the Superfamily Trombidioidea (Erythraeidae and Teneriffiidae).—I. Montagu: (1) The Remains of Fen-Beaver in the Sedgwick Museum; (2) The Burrows of the Rodent Spalax.—R. Gurney: The Larval Development of some British Prawns (Palaeonidae). II. *Leander longirostris* and *Leander squilla*.—W. E. Le Gros Clark: The Brain of the Tree-Shrew, *Tupaia minor*.  
 INSTITUTION OF CIVIL ENGINEERS, at 6.—B. Mott: Address.  
 INSTITUTION OF ELECTRICAL ENGINEERS (North-Western Centre) (at Midland Hotel, Manchester), at 7.—H. C. Lamb: Chairman's Address.  
 INSTITUTE OF METALS (Birmingham Section) (at Chamber of Commerce, New Street, Birmingham), at 7.—A. R. Page: Brazing.  
 ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN, at 7.—J. D. Johnston: Presidential Address.  
 INSTITUTION OF AUTOMOBILE ENGINEERS (Coventry Section) (at Broadgate Cafe, Coventry), at 7.15.  
 INSTITUTE OF METALS (North-East Coast Section) (at Armstrong College, Newcastle-on-Tyne), at 7.30.—W. E. W. Millington: The Structure of Metals in its relation to Elastic Failure. Part II.  
 RÖNTGEN SOCIETY (at British Institute of Radiology, 32 Welbeck Street, W.), at 8.15.—Dr. A. E. Barclay: The Growth of Radiology: Has the Röntgen Society kept pace with it? (Presidential Address).

### WEDNESDAY, NOVEMBER 5.

GEOLOGICAL SOCIETY OF LONDON, at 5.30.—Prof. F. X. Schaffer (of the State Natural History Museum, Vienna): History of the Vienna Basin (Lecture).  
 INSTITUTION OF ELECTRICAL ENGINEERS (Wireless Section), at 6.—E. H. Shaughnessy: Address.  
 INSTITUTION OF HEATING AND VENTILATING ENGINEERS (at Engineers' Club, Coventry Street, W.), at 7.—E. S. Shoults: The Heating and Ventilation of Glass Houses from the Grower's Point of View.  
 SOCIETY OF CHEMICAL INDUSTRY (Nottingham Section) (at University College, Nottingham), at 7.30.—C. E. Pickard: The Testing of Bates in the Laboratory.  
 ROYAL MICROSCOPICAL SOCIETY (Biological Section), at 7.30.—W. S. Hoesson: Notes on the Malaria Parasite.  
 SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS (at Chemical Society), at 8.—Dr. H. E. Cox: Certain New Methods for the Estimation of Arsenic and its Occurrence in Fish and Urine.—A. T. Etheridge: The Estimation of Cadmium in Brass.—N. C. Wright and J. Golding: The "Hoyberg" Method of Milk and Cream Testing.—Dr. S. G. Willmott: An Apparatus for the Catalytic Dehydrogenation of Alcohols.  
 ROYAL SOCIETY OF ARTS, at 8.—Senatore G. Marconi: Address.  
 INSTITUTION OF CHEMICAL ENGINEERS (at University College), at 8.—Dr. M. W. Travers: The Water Gas Process.  
 ENTOMOLOGICAL SOCIETY OF LONDON, at 8.

### THURSDAY, NOVEMBER 6.

ROYAL SOCIETY, at 4.30.—Prof. T. R. Merton: Ultraviolet Spectrophotometry.—Prof. W. L. Bragg and Prof. S. Chapman: A Theoretical Calculation of the Rhombohedral Angle of Crystals of the Calcite Type.

—Prof. O. W. Richardson and T. Tanaka: (1) The Striking and Breaking Potentials for Electron Discharges in Hydrogen; (2) On A, F, Q, and R Combination in the Many Lined Spectrum of Hydrogen.—J. D. Bernal: The Structure of Graphite.—*To be read in title only*.—C. N. Hinshelwood and R. E. Burk: The Homogeneous Thermal Decomposition of Nitrous Oxide.—C. N. Hinshelwood: The Kinetics of the Interaction of Nitrous Oxide and Hydrogen.—Dr. A. T. Doodson: Perturbations of Harmonic Tidal Constants.—K. R. Ramanathan: The Structure of Molecules in relation to their Optical Anisotropy. Part I.—Prof. R. W. Wood: Controlled Orbital Transfers of Electrons in Optically Excited Mercury Atoms.

LINNEAN SOCIETY OF LONDON, at 5.—E. G. Baker: A Remarkable Tropical African Leguminous Plant.—Prof. E. B. Poulton: Exhibit of Lantern Slides illustrating Mimicry among Fijian Butterflies.—Dr. H. A. Baylis: Cestodes from Whales.—W. H. Fearsall and Dr. W. H. Fearsall: Phytoplankton of the English Lakes.—Dr. B. M. Griffiths: Studies in the Phytoplankton of the Lowland Waters of Great Britain: the Phytoplankton of Shropshire, Cheshire, and Staffordshire.

ROYAL COLLEGE OF PHYSICIANS OF LONDON, at 5.—Sir St. Clair Thomson: Tuberculosis of the Larynx and its Significance to the Physician (Mitchell Lecture).

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—R. Johnson: Some Clinical Aspects of Carcinoma of the Breast (Bradshaw Lecture).

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—J. D. Cockcroft, R. T. Coe, J. A. Tyacke, and Prof. Miles Walker: An Electric Harmonic Analyser.

INSTITUTION OF AUTOMOBILE ENGINEERS (Graduates' Meeting) (at Watergate House, Adelphi), at 7.30.

SOCIETY OF CHEMICAL INDUSTRY (Bristol Section) (Joint Meeting with the Institute of Chemistry) (at Bristol University), at 7.30.—E. J. Holbroy: The Present Position of the Geber Problem.

CHEMICAL SOCIETY, at 8.—J. Kenyon, H. Phillips, and H. G. Turley: Investigations on the Dependence of Rotatory Power on Chemical Constitution. Part XXIV. Further Experiments on the Walden Inversion.—Prof. T. M. Lowry: Studies of Valency. Part V. The Mechanism of the Walden Inversion.—H. J. Emeléus and W. E. Downey: A Spectroscopic Study of the Luminescent Oxidation of Phosphorus.

ROYAL SOCIETY OF MEDICINE (Obstetrics and Gynaecology Section), at 8.—Joint Discussion with the Section of Epidemiology and State Medicine, and the Society of Medical Officers of Health, on The Notification of Puerperal Sepsis.

INSTITUTION OF MECHANICAL ENGINEERS (Glasgow Section) (at Glasgow).—Prof. J. H. Andrew: Steels and their Selection.

INSTITUTION OF MECHANICAL ENGINEERS (Manchester Section) (at Manchester).—Prof. W. T. David: (a) The Missing Pressure in Gas-Engines; (b) Heat Loss in Gas-Engines.

### FRIDAY, NOVEMBER 7.

ROYAL ASTRONOMICAL SOCIETY, at 5.—Geophysical Discussion: The International Geophysical Congress at Madrid. Chairman—Col. H. G. Lyons. Speakers—Sir G. P. Lennox-Conyngham, A. R. Hinks, Dr. C. Chree, R. G. K. Lampfert, Prof. H. H. Turner.

INSTITUTION OF MECHANICAL ENGINEERS, at 6.—Vice-Admiral Sir George G. Goodwin: The Trend of Development of Marine Propelling Machinery (Thomas Hawkley Lecture).

SOCIETY OF CHEMICAL INDUSTRY (Manchester Section) (at 16 St. Mary's Parsonage, Manchester), at 7.—Sir William Willcox: The Influence of Chemical Research on Medicine and Forensic Medicine.

ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Pictorial Group), at 7.—J. C. Dollman: Light.

JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—H. C. Jones: History and Construction of the Fire Engine.

NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (Middlesbrough Graduates' Section) (at Cleveland Institution, Middlesbrough), at 7.30.—R. W. Dickinson: Toothed Gearing.

PALEONTOLOGICAL SOCIETY (at University College), at 8.—Papers on The New Liddell and Scott.

## PUBLIC LECTURES.

### SATURDAY, NOVEMBER 1.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—Miss M. A. Murray: Some Famous Pharaohs.

### MONDAY, NOVEMBER 3.

KING'S COLLEGE, at 5.30.—Prof. E. W. Scripture: The Psychoanalysis of the Poet.

GRESHAM COLLEGE, at 6.—Sir Robert Armstrong-Jones: Physic. (Succeeding Lectures on November 4, 6, 7.)

### THURSDAY, NOVEMBER 6.

ROYAL SOCIETY OF MEDICINE (1 Wimpole Street, W.), at 3.—Dr. D. Guisez: Malignant Disease of the Gullet (in French) (Samon Lecture).

FINSBURY TECHNICAL COLLEGE (Leonard Street), at 4.—Julian L. Baker: The Chemist and the Fermentation Industries (Streetfield Memorial Lecture).

ST. THOMAS'S HOSPITAL MEDICAL SCHOOL, at 4.30.—Prof. J. Mellanby: Enzymes. (Succeeding Lectures on November 13, 20, 27.)

### FRIDAY, NOVEMBER 7.

KING'S COLLEGE, at 5.30.—Prof. F. W. Hobson: The Ideal Aim of Physical Science.

UNIVERSITY COLLEGE, at 5.30.—R. H. Hooker: The Weather and the Crops: Part II. Economic Effects (Jeavons Memorial Lectures). (Succeeding Lectures on November 14, 21, 28.)—At 8.—Prof. G. Dawes Hicks: German Philosophy in the XIXth Century. (Succeeding Lectures on November 14, 21, 28; December 5, 12.)

### SATURDAY, NOVEMBER 8.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—E. Lovett: The Amulets of Ancient Egypt and of Modern London.