

Proceedings of the United States National Museum. Vol. 73, Art. 14: Fire-Making Apparatus in the United States National Museum. By Walter Hough. (No. 2735.) Pp. 72+11 plates. Vol. 73, Art. 17: Field Notes on Vertebrates collected by the Smithsonian-Chrysler East African Expedition of 1926. By Arthur Loveridge. (No. 2738.) Pp. 69+4 plates. Vol. 73, Art. 18: Two new Species of Commensal Copepods from the Woods Hole Region. By H. R. Seiwel. (No. 2739.) Pp. 5+2 plates. Vol. 73, Art. 19: New Moths of the Family Ceruridae (Notodontidae) in the United States National Museum. By William Schaus. (No. 2740.) Pp. 90. Vol. 73, Art. 21: Concerning the Origin of the Metal in Meteorites. By George P. Merrill. (No. 2742.) Pp. 7+3 plates. Vol. 73, Art. 23: Notes on American Two-winged Flies of the Family Sapromyzidae. By J. R. Malloch. (No. 2744.) Pp. 18. Vol. 73, Art. 24: A new Pterosaurian Reptile from the Marine Cretaceous of Oregon. By Charles W. Gilmore. (No. 2745.) Pp. 5. (Washington, D.C.: Government Printing Office.) Japanese Journal of Mathematics. Transactions and Abstracts. Vol. 5, No. 1, June. Pp. 125. (Tokyo: National Research Council of Japan.) Memoirs of the College of Science, Kyoto Imperial University. Series A, Vol. 11, No. 4, July. Pp. 205-301+13 plates. (Tokyo and Kyoto: Maruzen Co., Ltd.) 2.00 yen.

## CATALOGUES.

Mycologia: Plantarum Pathologia. Supplementum: Scripta Botanica Miscellanea. (No. 73.) Pp. 54. (Berlin: W. Junk.) A Short List of Old and Modern Books on Gardening, Horticulture, Botany; including a Selection of Herbals, also Books of Flower Drawings. (No. 509.) Pp. 12. (London: Francis Edwards, Ltd.) The Taylor-Hobson Outlook. Vol. 3, No. 10, September. Pp. 8. (Leicester and London: Taylor, Taylor and Hobson, Ltd.) Spectrometric Apparatus (Spectrographs). Pp. 12. Spectrocomparators. Pp. 4. (London: Bellingham and Stanley, Ltd.)

## Diary of Societies.

## FRIDAY, OCTOBER 5.

SOCIETY OF CHEMICAL INDUSTRY (Manchester Section) (at Engineers Club, Manchester), at 7.—Dr. W. Hubball: The Chemist and his Message.  
JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—A. J. Simpson: Interesting Details of Swiss Alpine Railways.  
LEICESTER LITERARY AND PHILOSOPHICAL SOCIETY (Chemistry Section) (at College of Technology, Leicester), at 8.—C. Ainsworth Mitchell: Some Notable Trials involving Chemical Evidence.  
SOCIETY OF CHEMICAL INDUSTRY (Chemical Engineering Group) (jointly with Society of Chemical Industry—London Section) (at Royal Society of Arts).—F. H. Rogers: Factory Floors.

## SATURDAY, OCTOBER 6.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (Joint Meeting of the South Wales District and the Institution of Civil Engineers (South Wales Association)) (at Cardiff), at 10.15 a.m.  
INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (North-Western District Meeting) (at Town Hall, Stockport), at 11 a.m.  
BIOCHEMICAL SOCIETY (in Biochemical Laboratory, Cambridge), at 2.30.—A. V. Szent György: (a) Functions of Peroxidase Systems; (b) Chemistry of the Adrenal Cortex.—E. H. Lepper and C. J. Martin: A Thermostable Antioxidisable System comprised of Boiled Muscle and Haemochromogen.—B. Woolf: The Estimation of Ammonia, Urea, and Total Nitrogen.—F. T. Grey: The Behaviour of Glucose in Urine.—T. A. Webster and R. B. Bourdillon: Observations on the Irradiation of Ergosterol.—Dr. A. S. Parkes and G. F. Marrian: Observations on the Distribution of Oestrin.—H. D. Kay and P. G. Marshall: The Second Protein (Livetin) of Egg-yolk.—E. Stedman: The Miotic Activity of the Urethanes derived from the Isomeric Hydroxybenzylidimethylamines.—H. J. Holman and Dr. S. B. Schryver: The Separation of the Basic Products of the Hydrolysis of Proteins.—Dr. L. J. Harris: The Zwitterion Constitution of the Amino-acid Molecule. Titration Curves of Methylene Derivatives.  
INSTITUTE OF BRITISH FOUNDRYMEN (Lancashire Branch) (at College of Technology, Manchester), at 3.45.—E. Longden: Presidential Address.—Prof. F. Johnson: Oxygen and Metals: Some Features in their Relationship.

## MONDAY, OCTOBER 8.

ROYAL SOCIETY OF MEDICINE (War Section), at 5.—Lieut.-General Sir Matthew Fell: The War Section (Presidential Address).  
INSTITUTION OF AUTOMOBILE ENGINEERS (Bristol Centre) (at Merchant Venturers' Technical College, Bristol), at 6.45.—L. H. Hounsfeld: The Integrity of the Technical Man.  
CERAMIC SOCIETY (Pottery Section) (at North Staffordshire Technical College, Stoke-on-Trent), at 7.30.  
INSTITUTE OF METALS (Scottish Local Section) (at 39 Elmbank Crescent, Glasgow), at 7.30.—S. E. Flck: Chairman's Address.  
INSTITUTE OF BREWING (London Section) (at Charing Cross Hotel).—F. W. Cooke, A. Hadley, H. Lloyd Hind, and others: Discussion on Season's Malts (made from 1927 barley).

## TUESDAY, OCTOBER 9.

INSTITUTION OF HEATING AND VENTILATING ENGINEERS (at Caxton Hall), at 6.45.—Dr. H. M. Vernon: Methods of Heating and Ventilating Schools and their Influence on Health.  
INSTITUTE OF METALS (North-East Coast Local Section) (at Armstrong College, Newcastle-upon-Tyne), at 7.30.—Dr. J. A. Smythe: Chairman's Address.  
QUEKETT MICROSCOPICAL CLUB, at 7.30.

No. 3075, VOL. 122]

## WEDNESDAY, OCTOBER 10.

INSTITUTE OF FUEL (at Chemical Society), at 6.—T. A. Peebles: Automatic Combustion Control of Liquid, Solid, and Gaseous Fuels.  
BRITISH HOROLOGICAL INSTITUTE (Annual Meeting) (at 35 Northampton Square, E.C.1), at 6.30.—Sir Frank Dyson: The History of the Royal Observatory.  
INSTITUTE OF METALS (Swansea Local Section) (in Thomas' Café, Swansea), at 7.—J. H. Grant: Chairman's Address.  
EUGENICS SOCIETY (at Royal Society), at 8.30.—L. H. D. Buxton: Primitive Marriage Customs and Inbreeding.  
CERAMIC SOCIETY (Building Materials Section) (at North Staffordshire Technical College, Stoke-on-Trent).—A. B. Searle: Modern Facing Bricks.—C. Presswood: Thermal Insulation.—Pragos Engineering Company: Modern Brick Machinery and Works Layout.

## THURSDAY, OCTOBER 11.

INSTITUTE OF METALS (London Local Section) (at 83 Pall Mall), at 7.30.—Dr. S. W. Smith: Chairman's Address.  
OPTICAL SOCIETY (at Imperial College of Science and Technology), at 7.30.—Col. J. W. Gifford: Lenses and Equipment for Ultra-violet Photography.—Dr. H. Boeghold: Some Remarks on Old English Objectives.—T. H. Court and Prof. M. von Rohr: On the Development of Spectacles in London from the End of the Seventeenth Century.

## FRIDAY, OCTOBER 12.

DIESEL ENGINE USERS' ASSOCIATION (at 19 Cadogan Gardens, S.W.), at 5.30.—S. E. Freeman: Marine Oil Engines.  
JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—F. Squirrel: The Use of Instruments in the Boiler-House.  
INSTITUTE OF METALS (Sheffield Local Section) (in Non-Ferrous Section, Applied Science Department, Sheffield University), at 7.30.—R. D. Barklie: Alternating Current Electrolysis.—Dr. E. B. Sanigar: Sodium Cyanide in Silver Plating.

## SATURDAY, OCTOBER 13.

MINING INSTITUTE OF SCOTLAND (at Glasgow).  
PHYSIOLOGICAL SOCIETY (in Physiology Department, Guy's Hospital Medical School).

## PUBLIC LECTURES.

## THURSDAY, OCTOBER 4.

UNIVERSITY COLLEGE, at 2.30.—Sir Flinders Petrie: History of Decoration.

## SATURDAY, OCTOBER 6.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—J. R. Ogden: The Recent Discoveries at Ur of the Chaldees.

## MONDAY, OCTOBER 8.

UNIVERSITY COLLEGE, at 5.15.—Dr. R. E. M. Wheeler: Recent Work in British Archaeology.

## WEDNESDAY, OCTOBER 10.

UNIVERSITY COLLEGE, at 5.—Dr. P. Hopkins: The Comparative Psychology of Oriental Religions.  
BEDFORD COLLEGE FOR WOMEN, at 5.15.—Miss S. M. Fry: Penal Reform (Stevenson Lecture).

## SATURDAY, OCTOBER 13.

HORNIMAN MUSEUM (Forest Hill), at 3.30.—Prof. J. R. Ainsworth Davis: The Animal Conquest of the Sea.

## CONGRESS.

## OCTOBER 9-11.

FRENCH CONGRESS OF LEGAL MEDICINE (at Paris).—Prof. Balthazar: Expert Evidence in Social Questions.—MM. Charbonnel and Massé: Industrial Accidents, Comparative Results of External Methods and Osteosynthesis in the Treatment of Fractures of the Leg.—M. Duvoir: Professional Intoxication by Hydrocarbidates.—M. Fribourg-Blanc: Anti-social Reactions in Epidemic Encephalitis.

## Editorial and Publishing Offices:

MACMILLAN &amp; CO., LTD.,

ST. MARTIN'S STREET, LONDON, W.C.2.

Editorial communications should be addressed to the Editor.

Advertisements and business letters to the Publishers.

Telephone Number: GERRARD 8830.

Telegraphic Address: PHUSIS, WESTRAND, LONDON.