# Official Publications Received.

#### BRITISH.

HRITER. Further Impressions of the Public Library System of the United States of America. By Miss K. E. Overbury and Dr. E. E. Lowe. Pp. 47. (Dunfermline: Carnegie United Kingdom Trust.) British Research Association for the Woollen and Worsted Industries. Publication No. 94: A Survey of the Production and Utilisation of Wool. By S. G. Barker and Arnold Frobisher. Pp. 10. (Leeds.) Education, India. Occasional Reports, No. 15: Rural Education in England and the Punjab. By R. Sanderson and J. E. Parkinson. Pp. 12 annas; 18. 8d. EDEVICE

#### FOREIGN.

Proceedings of the Imperial Academy. Vol. 4, No. 4, April. Pp. xi-

Proceedings of the Imperial Academy. Vol. 4, No. 4, April. Pp. xi-xv+137.137. (Tokyo.) Zoopathologica: Scientific Contributions of the New York Zoological Society on the Diseases of Animals. Vol. 2, No. 1: The Treatment of Fish Diseases. By Ida Mellen. Pp. 31. (New York City.) The Record of the Celebration of the Two Hundredth Anniversary of the Founding of the American Philosophical Society, held at Philadelphia for Promoting Useful Knewledge, April 27 to April 30, 1927. Proceedings, Vol. 66. Pp. xiii+750. (Philadelphia, Pa.)

#### CATALOGUES.

Geologie Deutschlands. (Lager-Katalog Nr. 196.) Pp. 296. (Leipzig: Max Weg.)

Max Weg.) The Hump Method for the Heat Treatment of Steel. (Catalog No. 90.) Pp. 40. (Philadelphia, Pa. : Leeds and Northrup Co.; Birmingham: The Homo Method for the Tempering of Steel. (Catalog No. 93.) Pp. 28. (Philadelphia, Pa. : Leeds and Northrup Co.; Birmingham: The Integra Co., Ltd.)

# Diary of Societies.

SATURDAY, JUNE 23.

- NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS (Newcastle-upon-Tyne), at 2.30.—J. L. Henrard and J. T. Whetton: The Sinking of Londonderry Colliery, Seaham Harbour, Co. Durham, by the Freezing Process.—T. Greenland Davies: Extracts and Recom-mendations from the Report of the Water Dangers Committee.—Dr. John G. Kellett: The Physical Constitution of Coal and Coal Seams.— Dr. John G. Kellett: The Distribution of Ash in Bituminous Coal Seams Seams
- Seama. MINING INSTITUTE OF SCOTLAND (in St. Margaret's Hall, St. Margaret Street, Dunfermline), at 3.—Discussion on David C. Gemmeli's Paper on Supporting Underground Roadways with Steel Arches.—Discussion on J. A. Bernard Horsley's Paper on Design and Maintenance of Flame-Proof Enclosures, with Special Reference to Coal Face Machinery.—Discussion on T. A. Southern's Paper on Life Saving in Colliery Explosions and Fires.—John M. Williamson and John Bisland: An Experience of Machine Mining in a Highly Inclined Seam.—George W. Smith: A Trial Bore-Hole for Oil in South Africa and the Results.
- Seam.-George W. Smith: A Trial Bore-Hole for Oil in South Africa and the Results. Physiological Bootsty (in the Department of Physiology, The University, Sheffield), at 3.-Demonstration by Benedict Finkleman: Prepara-tion for the Measurement of the Excitability of the Cardiac Nerves of the Frog.-Demonstration by M. M. Croll: Specimens Illustrating the Relative Value of Different Methods for Demonstrating Nerve Fibres in the Pituitary.-F. R. Curtis and J. W. Pickering: The Effect of Pituitary Fractions on the Blood.-F. R. Curtis: The Action of Epbedrine and some of its Derivatives.-R. K. Christie and F. R. Curtis: The Effect of Ephedrine and its Derivatives on the Blood-Sugar.-John Freud: Biological Action of Iodides.-K. Furusawa A Note on the Total Depolarisation of Crustacean Nerve.-M. Rabinovich : A Smooth Muscle Vagus Nerve Preparation.-W. Hartree and A. V. Hill: The Maximum Mechanical Efficiency of Muscles.-H. H. Dunlop: Adrenalin Dilatation.-G. A. Clark: The Action of Pituitrin on the Portal Circulation.-G. A. Clark: The Action of Sugar and Hyperpnea.-M. Hirst and C. G. Imrie: The Influence of Thyroid in Certain Types of Creatingurea.-G. P. Crowden and M. G. Pearson : The Effect of Morphia on the Adrenaline Content of the Suparand Hyperpnea.-M. Hirst and Nervous System in (a) Infantilism with Diabetes Insipidus, (b) Post Encephalitis Diabetes Insipidus.--May Mellanby and C. Lee Pattison : The Hacting of Dental Caries.--N. G. Green and E. Mellanby: Vitamin A as an Anti-Infective Agent. --E. Mellanby, E. M. Surie, and D. C. Harrison : The Antirachitic Action of Ergot. MONDAY, June 25.

#### MONDAY, JUNE 25.

INSTITUTION OF MECHANICAL ENGINEERS (at Southampton) (continued on June 26, 27, 28 and 29).

### TUESDAY, JUNE 26.

TUESDAY, JUNE 26. ROYAL DUBLIN SOCIETY (in the Science Room, Ball's Bridge), at 4.15.— Report of the Irish Radium Committee for the year 1927.—C. Boyle, M. Murphy, and H. A. Cummins: "Blossom Wilt" of Apple Trees and "Wither Tip" of Plum Trees, with Special Reference to two Biological Forms of Monilia cimerea Bon.—T. Dillon and E. F. Lavelle: A Suggested Method for the Utilisation of Seaweed.—A. G. G. Leonard and P. F. Whelan: Spectrographic Analyses of Irish Ring.money and of a Metallic Alloy found in Commercial Calcium Carbide.—L. B. Smyth: Sulpingium solinosum, a New Carboniferous Coral.—L. P. W. Renouf: A Preliminary Account of Lough Hyne, Co. Cork. INSTITUTION OF ELECTRICAL ENGINEERS (Summer Meeting at Scottish Centre) (continued on June 27, 23, 29 and 30).

No. 3060, Vol. 121]

#### WEDNESDAY, JUNE 27.

ROYAL SOCIETY OF ARTS, at 4.—Annual General Meeting. BRITISH ASTRONOMICAL ASSOCIATION (at Sion College, Victoria Embank.

ment). BRITISH PSYCHOLOGICAL SOCIETY (Medical Section).-Mrs. Isaacs and Drs. Hadfield and Potts: Symposium on Mental Hygiene of Pre-School Age.

#### THURSDAY, JUNE 28.

Society of GLASS TECHNOLOGY (at the Applied Science Department of the University, St. George's Square, Sheffield), at 11.15.—General Dis-cussion on Lessons from the Tour in Germany.—A. Cousen, H. W. Howes, and F. Winks: The Control and Distribution of Temperature in Labre in Lehrs.

Howes, and F. Winks' The Control and Distribution of Temperature in Lefts.
Royal Society, at 4.30.—Prof. J. C. McLennan: The Bakerian Lecture on The Aurora and its Spectrum.—To be read in title only.—E. Jones: Photographic Study of Detonation in Solid Explosives.—Prof. E. T. Whittaker: On the Potential of the Electromagnetic Phenomeni a Gravitational Field.—B. Topley and J. Hume: The Kinetics of the Decomposition of Calcium Carbonate Hexahydrate.—L. W. Nordheim : On the Kinetic Method in the New Statistics and its Application in the Electron Theory of Conductivity.—P. K. Kichlu: First Spark Spectrum of Krypton.—Prof. R. W. Wood and V. Voss: The Fluorescence of Mercury Vapour.—E. Rudberg: The Velocity Distribution of Caesium.—D. Jack: The Band Spectrum of Water Vapour. III.—F. W. P. Götz and Dr. G. M. B. Dobson : Observations on the Height of the Ozone in the Upper Atmosphere.—Prof. T. M. Lowry and M. S. Vernon: An Improved Method of Ultra-Violet Polarimetry. Anomalous Rotatory Dispersion of Sodium Tartrate.
Royal. Society of Medicine (Urology Section), at 8.30.—Prof. Jurasz: Movable Kidney.

Movable Kidney.

#### FRIDAY. JUNE 29.

ROVAL SOCIETY OF MEDICINE (Urology Section), 11 to 12.-Short Demon-stration of Special Instruments.

## SATURDAY, JUNE 30.

GENETICAL SOCIETY (at the John Innes Horticultural Institution, Merton, S.W.19), at 1.—Annual Meeting. ROYAL SOCIETY OF MEDICINE (Disease in Children Section) (at Leicester).

## FRIDAY, JULY 6.

GEOLOGISTS' ASSOCIATION (in the Architectural Theatre, University College, Gower Street), at 7.30.—F. Gossling: The Geology of the Country around Reigate.—H. A. Hayward: The Geology of the Lower Greenend around Architectural Decking Greensand around Dorking, Surrey.

#### CONGRESSES.

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