

Thomas: Concerning the G_6 group of transformations.—Oswald Veblen: Conformal tensors and connections. The system of invariants appropriate to the conformal geometry of Riemannian spaces.—Aristotle D. Michal: The group manifold of finite continuous point and functional transformation groups.

Official Publications Received.

BRITISH.

Development Commission. Eighteenth Report of the Development Commissioners for the Year ended the 31st March 1928. Pp. 200. (London: H.M. Stationery Office.) 3s. 6d. net.
 Proceedings of the Royal Society. Series A, Vol. 121, No. A787. Pp. 477. (London: Harrison and Sons, Ltd.) 16s.
 The Journal of the National Institute of Agricultural Botany. Vol. 2, No. 1. Pp. 84. (Cambridge: W. Heffer and Sons, Ltd.) 2s. 6d. net.
 The Journal of the Institution of Electrical Engineers. Edited by P. F. Rowell. Vol. 66, No. 383, November. Pp. 1101-1244+xxxii. (London: E. and F. N. Spon, Ltd.) 10s. 6d.
 Transactions of the Royal Geographical Society of Cornwall. Vol. 16, Part 1: The One Hundred and Fourteenth Annual Report of the Council, with the Reports of the Treasurer and Curator and Papers read to the Society. Pp. 31. (Penzance.) 4s.
 The North of Scotland College of Agriculture. Report on the Work of the North of Scotland College for the Year 1927-28. Pp. 26. (Aberdeen.)
 Government of Madras. Administration Report of the Government Museum and the Connemara Public Library for the Year 1927-28. Pp. 16. (Madras: Government Museum.)
 Latex. By Dr. Henry P. Stevens. Pp. 68. (London: The Rubber Growers' Association, Inc.)
 Report of the International Conference on Cancer, London, 17th-20th July 1928, held under the Auspices of the British Empire Cancer Campaign. Pp. xxi+588. (Bristol: John Wright and Sons, Ltd.; London: Simpkin Marshall, Ltd.)

FOREIGN.

United States Department of Agriculture. Technical Bulletin No. 80: Tests of Blowfly Baits and Repellents during 1926. By D. C. Parman, E. W. Laake and F. C. Bishopp, and R. C. Roark. Pp. 15. (Washington, D.C.: Government Printing Office.) 5 cents.
 Department of Commerce: Bureau of Standards. Research Paper 29: Thermal Expansion of Magnesium and some of its Alloys. By Peter Hidvert and W. T. Sweeney. Pp. 771-792+2 plates. (Washington, D.C.: Government Printing Office.) 10 cents.
 Department of the Interior: Bureau of Education. Bulletin, 1928, No. 8: Schools for the Deaf, 1926-27. Pp. 17. (Washington, D.C.: Government Printing Office.) 5 cents.
 Proceedings of the United States National Museum. Vol. 73, Art. 22: Tertiary Fossil Plants from the Argentine Republic. By Edward W. Berry. (No. 2743.) Pp. 27+5 plates. (Washington, D.C.: Government Printing Office.)
 Bergens Jæger- og Fiskerforening. Rypeundersøkelsen 1921-1927. Pp. 18+18+21+9+4+20+41+8+8+54+13+34+8+5+8+9+71+5+8+67+16+52+38+49+35+84+118. (Bergen: A/S John Greigs Boktrykkeri.)
 The Museum of the Brooklyn Institute of Arts and Sciences. Science Bulletin, Vol. 3, No. 5: Heterocephalus, the remarkable African Burrowing Rodent. By W. J. Hamilton, Jr. Pp. 173-184+3 plates. (Brooklyn, N.Y.)
 Department of the Interior: U.S. Geological Survey. Bulletin 775: Geology and Lignite Resources of the Marmarth Field, Southwestern North Dakota. By C. J. Hares. Pp. vi+110+14 plates. 35 cents. Bulletin 798: Geology of the Muddy Mountains, Nevada; with a Section through the Virgin Range to the Grand Wash Cliffs, Arizona. By Chester R. Longwell. Pp. vi+152+17 plates. 50 cents. Bulletin 802: Bibliography of North American Geology for 1925 and 1926. By John M. Nickles. Pp. iii+286. 40 cents. Professional Paper 153: Studies of Basin-Range Structure. By Grove Karl Gilbert. Pp. vii+92+40 plates. 60 cents. Water-Supply Paper 540: Ground Water in the New Haven Area, Connecticut. By John S. Brown. Pp. vi+206+15 plates. 60 cents. Water-Supply Paper 581: Surface Water Supply of the United States, 1924. Part 1: North Atlantic Slope Drainage Basins. Pp. vi+246. 25 cents. Water-Supply Paper 590: Surface Water Supply of the United States, 1924. Part 10: The Great Basin. Pp. v+131. 20 cents. (Washington, D.C.: Government Printing Office.)

Diary of Societies.

FRIDAY, DECEMBER 7.

ROYAL SOCIETY OF MEDICINE (Otolaryngology Section), at 10.30 A.M.—G. F. Jenkins, T. B. Layton, E. D. Davis, and others: Discussion on Meningitis.
 INSTITUTION OF WATER ENGINEERS (at Geological Society), at 10.30 A.M.—J. Bowman: The Consumption and Waste of Water.—E. J. Rimmer: Legal Considerations relating to the Administration of Engineering Contracts.—A. W. Burt: The Sandfields.—W. T. Halcrow, G. B. Brook, and R. Preston: The Corrosive Attack of Moorland Water on Concrete.
 ROYAL ASTRONOMICAL SOCIETY, at 4.30.—Geophysical Discussion on Atmospheric Ionisation. Chairman, Dr. G. C. Simpson. Discussion to be opened by Prof. J. Nolan, and continued by Dr. J. S. Owens, Prof. A. M. Tyndall, and R. E. Watson.
 ROYAL SOCIETY OF MEDICINE (Laryngology Section), at 5.

INSTITUTION OF ENGINEERING INSPECTION (at Royal Society of Arts), at 5.30.—C. H. Faris: The Application of Electro-deposited Metals to Engineering.
 PHILOLOGICAL SOCIETY (at University College), at 5.30.—Prof. F. W. Thomas: Weak R in Central Asia.
 BRITISH PSYCHOLOGICAL SOCIETY (Esthetics Section) (at Bedford College for Women), at 5.30.—J. Littlejohns: The Appreciation of Pictures.
 SOCIETY OF CHEMICAL INDUSTRY (Liverpool Section) (at Liverpool University), at 6.—Prof. H. E. Armstrong: Hurter Memorial Lecture.
 NORTH-EAST COAST INSTITUTION OF ENGINEERS AND SHIPBUILDERS (at Mining Institute, Newcastle-upon-Tyne), at 6.30.—K. O. Keller: Combustion and its Difficulties in Marine Oil Engines.
 SOCIETY OF CHEMICAL INDUSTRY (Manchester Section) (jointly with Institution of the Rubber Industry—Manchester Section) (at Geographical Hall, Manchester), at 7.—Dr. L. Auer: Colloid-Chemical Changes in Rubber and in Fatty Oils.
 INSTITUTION OF ELECTRICAL ENGINEERS (Meter and Instrument Section), at 7.—W. Holmes: Load Levelling Relays and their Application in Connection with Future Metering Problems.
 INSTITUTION OF MECHANICAL ENGINEERS (Informal Meeting), at 7.—F. E. Robinson: Works Committees.
 ROYAL PHOTOGRAPHIC SOCIETY OF GREAT BRITAIN (Pictorial Group—Informal Meeting), at 7.—H. Baird: Bromoil Transfer.
 JUNIOR INSTITUTION OF ENGINEERS, at 7.30.—Lt. Col. J. T. C. Moore-Brabazon: The Future of Coal in relation to Industry (Presidential Address).
 GEOLOGISTS' ASSOCIATION (at University College), at 7.30.—J. G. C. Leech: St. Austell Detritals.—H. G. Smith: Some Features of Cornish Lamprophyres.
 TEXTILE INSTITUTE (Lancashire Section) (jointly with Bolton and District Managers', Carders', and Overlookers' Association) (at Saddle Hotel, Bradshawgate, Bolton), at 8.—A. Roe: Cleaning of Cotton in the Blowing Room.
 ROYAL SOCIETY OF MEDICINE (Anesthetics Section), at 8.30.—S. Rowbotham: Preliminary Medication in Anesthetics.
 SOCIETY OF CHEMICAL INDUSTRY (South Wales Section) (at Thomas' Café, Swansea).—Prof. T. C. James: Pollution of Rivers.
 OXFORD UNIVERSITY JUNIOR SCIENTIFIC CLUB.—Sir E. Farquhar Buzzard: The Harvey Tercentenary Film.

SATURDAY, DECEMBER 8.

ROYAL INSTITUTION OF GREAT BRITAIN, at 3.—W. Bayes: The Gulf between Painter and Public (I).
 MINING INSTITUTE OF SCOTLAND (at Royal Technical College, Glasgow), at 3.—J. S. Frame: Pavement Brushing versus Roof Brushing.—*Papers to be discussed*:—An Experience of Machine Mining in a Highly Inclined Seam, J. M. Williamson and J. Bilisland; Some Impressions of German Mining, D. C. Gemmill and J. Heron; Tru-lay Wire Ropes and Tru-lay Fittings, A. T. Adam.

MONDAY, DECEMBER 10.

CAMBRIDGE PHILOLOGICAL SOCIETY (in Cavendish Laboratory), at 4.30.—Dr. H. Jeffreys: On the Transverse Circulation in Streams.—J. Hargreaves: The Dispersion Electrons of Lithium.—W. R. Harper: The Obliquity Function to be Used in the Approximate Theory of Diffraction.—C. E. Eddy: The Passage of β -rays through Matter.—*Papers to be communicated by title only*:—H. D. Ursell: (a) Cayley's Problem of Seven Lines on a Quartic Surface; (b) Coincidence Formulae in Geometry.—J. A. Todd: On the Number of Planes in Hyperspace which Satisfy a Certain Set of Conditions.—W. N. Bailey: Note on Bateman's Expansion in Bessel Functions.—H. Pfeiffer: Der Isoelektrische Punkt von Zellen und Geweben.—P. Tate: The Dermatophytes, or Ringworm Fungi.—W. Seifrig: The Structure of Protoplasm.
 ROYAL GEOGRAPHICAL SOCIETY (at Lowther Lodge), at 5.—S. W. Boggs, A. R. Hinks, and others: New Map Projections.
 ROYAL SOCIETY OF MEDICINE (War Section), at 5.—Surg.-Comdr. P. M. Rivaz: Some Common Problems in Naval Hygiene.
 INSTITUTION OF AUTOMOBILE ENGINEERS (Birmingham Centre) (at Queen's Hotel, Birmingham), at 7.—Major C. G. Nevatt: Experiments on Self-Energised Brakes.
 INSTITUTION OF ELECTRICAL ENGINEERS (Informal Meeting), at 7.—E. W. Dorey and others: Discussion on Power Factor Tariffs and Methods of Metering.
 INSTITUTION OF ELECTRICAL ENGINEERS (Mersey and North Wales (Liverpool) Centre) (in Laboratories of Applied Electricity, Liverpool University), at 7.—E. H. Shaughnessy: Transatlantic Radio Telephony.
 INSTITUTION OF ELECTRICAL ENGINEERS (North-Eastern Centre) (at Armstrong College, Newcastle-upon-Tyne), at 7.—E. B. Wedmore, W. B. Whitney, and C. E. R. Bruce: An Introduction to Researches in Circuit Breaking.
 INSTITUTION OF AUTOMOBILE ENGINEERS (jointly with Institution of the Rubber Industry) (at Blackfriars Theatre, William Street, E.C.4), at 7.30.—W. H. Paul: The Tyre as an Article of Manufacture and Usage.
 INSTITUTION OF HEATING AND VENTILATING ENGINEERS (Associate Members' and Graduates' Branch) (at Borough Polytechnic), at 7.30.—E. T. Ollett: Air Filtration.
 INSTITUTE OF METALS (Scottish Local Section) (at 39 Elmbank Crescent, Glasgow), at 7.30.—F. Hudson: Scottish Moulding Sands and their Application to Non-Ferrous Casting.
 SURVEYORS' INSTITUTION, at 8.—F. G. Fleury: The Recent Rating Acts in Operation.
 BRITISH PSYCHOLOGICAL SOCIETY (Education Section) (at London Day Training College).—Miss M. B. Stott: An Experiment in Vocational Guidance.
 INSTITUTION OF ELECTRICAL ENGINEERS (Western Centre) (at South Wales Institute of Engineers, Cardiff).—W. W. Woodhouse: Overhead Electric Lines.

TUESDAY, DECEMBER 11.

ROYAL INSTITUTION OF GREAT BRITAIN, at 5.15.—Sir William Bragg: Diamonds (IV).
 INSTITUTION OF PETROLEUM TECHNOLOGISTS (at Royal Society of Arts), at 5.30.—Dr. A. Wade: Madagascar and its Oil Lands.