

electrical conductivities, from which they have been able to give constitutional formulæ to these salts. G. GUTZERT: Remark on a relation between the apparent volumes of the atoms and the centres of co-ordination of internal complex compounds.

SYDNEY

Royal Society of New South Wales, May 3. W. R. BROWNE: Post-Palæozoic igneous activity in New South Wales (Presidential Address). The Mesozoic era was one of comparative freedom from volcanic activity, but Triassic volcanic ash and Jurassic basalts are known. About 11,000 square miles are covered with Tertiary basalts, etc., and the original area was probably much greater. Two groups of eruptions are recognised: (1) an older, of basic flows and sills, followed by alkaline intermediate lavas and intrusions; (2) a newer, of basic flows and intrusions, with a few acid flows, followed by a series of narrow basic dykes and sills. The basic lavas comprise calcic and plateau-basalts, with alkaline basic and ultrabasic types. The older basic intrusives are teschenitic, the newer theralitic. Dolerite intrusions may represent portions of the calcic basalt magma. The eruptions were connected with vertical crust-movements and the whole series is comagmatic with the Tertiary rocks in Queensland, Victoria and Tasmania.

Forthcoming Events

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
(LEICESTER MEETING).

Tuesday, September 5

At 8 p.m.—Sir Henry Fowler: "Transport for a Century" (Public Lecture at Edward Wood Hall).

Wednesday, September 6

At 8.30 p.m.—Sir Frederick Gowland Hopkins: "Some Chemical Aspects of Life" (Presidential Address at De Montfort Hall).

Thursday, September 7

At 10 a.m.—Prof. R. Robinson: "Natural Colouring Matters and their Analogues" (Presidential Address to Section B).

Prof. W. G. Fearnside: "A Correlation of Structures in the Coalfields of the Midland Province" (Presidential Address to Section C).

Dr. J. Gray: "The Mechanical View of Life" (Presidential Address to Section D).

Mr. R. W. Allen: "Some Experiences in Mechanical Engineering" (Presidential Address to Section G).

Major the Hon. Richard Coke: "A System of Forestry for the British Isles (Chairman's Address to Department of Forestry (K*), Section K).

Dr. A. Lauder: "Chemistry and Agriculture" (Presidential Address to Section M).

At 11.30 a.m.—Prof. J. H. Jones: "The Gold Standard" (Presidential Address to Section F).

The Right Hon. Lord Raglan: "What is Tradition?" (Presidential Address to Section H).

At 2.0 p.m.—Dr. R. E. Mortimer Wheeler: "Centralisation and Control of Research in its Relation to Learned Societies" (Presidential Address to the Conference of Delegates of Corresponding Societies).

Friday, September 8

At 10 a.m.—Sir Gilbert Walker: "Seasonal Weather and Its Prediction" (Presidential Address to Section A).

Prof. F. Aveling: "The Status of Psychology as an Empirical Science" (Presidential Address to Section J).

At noon.—Prof. E. D. Adrian: "The Activity of Nerve Cells" (Presidential Address to Section I).

At 8.15 p.m.—Sir Josiah Stamp: "Must Science ruin Economic Progress?" (Evening Discourse at Wyggeston Boys' School Hall).

Saturday, September 9

At 8.0 p.m.—Prof. Julian S. Huxley: "Ants and Men" (Public Lecture at Edward Wood Hall).

Monday, September 11

At 10 a.m.—The Right Hon. Lord Meston: "Geography as Mental Equipment" (Presidential Address to Section E).

Prof. F. E. Lloyd: "The Types of Entrance Mechanisms of the Traps of *Utricularia* (including *Polypompholyx*)" (Presidential Address to Section K, at Vaughan College).

At 5.30 p.m.—Sir Richard Gregory, Prof. W. J. Pugh, Prof. W. B. Brierley, Dr. Allan Ferguson, Prof. J. L. Myres, Sir Josiah Stamp. Symposium on "Cultural Value of Science in Adult Education" (Open to the Public).

At 8.15 p.m.—Prof. J. F. Thorpe: "The Work of the Safety in Mines Research Board" (Evening Discourse at Lancaster Hall).

Tuesday, September 12

At 10 a.m.—Mr. J. L. Holland: "The Development of the National System of Education" (Presidential Address to Section L).

Official Publications Received

GREAT BRITAIN AND IRELAND

Mines Department. Eleventh Annual Report of the Safety in Mines Research Board, including a Report of Matters dealt with by the Health Advisory Committee, 1932. Pp. 112+15 plates. (London: H.M. Stationery Office.) 2s. net.

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1509 (Strut. 113): Stability of Static Equilibrium of Elastic and Aerodynamic Actions on a Wing. By Dr. H. Roxbee Cox and A. G. Pugsley. Pp. 20+2 plates. 1s. net. No. 1514 (T.3286): Full Scale Experiments with Servo Rudders. By J. E. Serby. Pp. 8+12 plates. 9d. net. No. 1526: Abstract, Calculation of Stresses in Braced Frameworks. By R. V. Southwell. Pp. 1-2d. net. (London: H.M. Stationery Office.)

Proceedings of the Royal Society. Series A, Vol. 141, No. A844, August 1. Pp. 281-493. (London: Harrison and Sons, Ltd.) 12s.

Proceedings of the Royal Society of Edinburgh, Session 1932-1933. Vol. 53, Part 3, No. 16: Studies on the Reproductive System in the Guinea-Pig; Variations in the Oestrous Cycle in the Virgin Animal, after Parturition, and during Pregnancy. By Thomas Nicol. Pp. 220-233. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.) 1s. 6d.

OTHER COUNTRIES

U.S. Department of the Interior: Geological Survey. Bulletin 849-A: Progress of Surveys in the Anthracite Ride District, Alaska. By Ralph W. Richards and Gerald A. Waring. (Investigations in Alaska Railroad Belt, 1931.) Pp. ii+27+2 plates. (Washington, D.C.: Government Printing Office.) 5 cents.

Geological Memoirs. Series A, No. 11: Fossil Man in China. The Choukoutien Cave Deposits with a Synopsis of our Present Knowledge of the Late Cenozoic in China. By Davidson Black, Teilhard de Chardin, C. C. Young and W. C. Pei. Edited by Davidson Black. Pp. x+166+6 plates. (Peking: Geological Survey of China.)

Japanese Journal of Physics. Transactions and Abstracts. Vol. 8, No. 3, June 30. Pp. iii+109-163+53-79. (Tokyo: National Research Council of Japan.)

Seismometrical Report of the Earthquake Research Institute, Tokyo Imperial University. 1932, Part 4 (October 1—December 31, 1932). Pp. 19-24+plates 16-20. (Tokyo.)

Koninklijk Magnetisch en Meteorologisch Observatorium te Batavia. Jaarverslag 1932. Pp. 15. Verhandelingen No. 24: Regenval in Nederlandsch-Indie (Rainfall in the Netherlands Indies). Door (By) Prof. Dr. J. Boerema. Deel (Vol.) 3: Kaarten van den gemiddelden jaarlijkschen en maandelijkschen regenval op Borneo (Maps of the Mean Annual and Monthly Rainfall in Borneo.) 13 maps. (Batavia.)

Advisory Department of the Imperial College of Tropical Agriculture. Report on the Agricultural Department, St. Lucia, 1932. Pp. iv+39. (St. Lucia: the Government Printing Office.) 6d.

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