

diamonds—a very high-resistance crystalline material—have suggested the probable existence of an apparently anomalous effect, in that the contact resistance in the non-linear region increases with increasing voltage. This is thought to be related to the familiar resistance maximum occurring in the reverse direction with the metal rectifier.

FORTHCOMING EVENTS

Sunday, December 20

WORKERS' EDUCATIONAL ASSOCIATION (GLASGOW BRANCH), ASSOCIATION OF SCIENTIFIC WORKERS (SCOTTISH AREA), WORKERS' EDUCATIONAL TRADE UNION COMMITTEE (SCOTTISH AREA), and the EDUCATIONAL INSTITUTE OF SCOTLAND (GLASGOW ASSOCIATION) (in the Glasgow and West Scotland Commercial College, Pitt Street, Glasgow, C.2).—Joint Conference on "Science and the Struggle for Freedom". At 10.30 a.m.—Prof. H. Levy, Prof. V. Gordon Childe and Dr. C. Ockrent: "Science in the Struggle against Fascism"; at 2.30 p.m.—Dr. Martin Ruheman, Dr. F. Haldane and Mr. C. R. Wason: "Science in the Soviet Union".

Monday, December 21

ROYAL GEOGRAPHICAL SOCIETY (at Kensington Gore, London, S.W.7), at 5 p.m.—Mount Everest Films from the Expeditions of 1922 and 1933 and the Flight of 1933.

APPOINTMENTS VACANT

APPLICATIONS are invited for the following appointments on or before the dates mentioned:

TEACHER (MAN OR WOMAN) OF MATHEMATICS in the Technical Day School—The Clerk to the Governors, South-West Essex Technical College and School of Art, Forest Road, Walthamstow, London, E.17 (December 23).

ASSISTANT MISTRESS TO TEACH BIOLOGY AND SOME SUBSIDIARY CHEMISTRY AND PHYSICS—The Clerk to the Governors, South-East Essex Technical College, Longbridge Road, Dagenham (December 28).

ASSISTANT LECTURER AND DEMONSTRATOR IN BOTANY—The Secretary, West of Scotland Agricultural College, 6 Blythwood Square, Glasgow (December 28).

WOMAN PSYCHOLOGIST for service at the Child Guidance Clinic—The Chief Education Officer, Education Office, Council House, Margaret Street, Birmingham 3 (January 9).

REGIUS PROFESSOR OF GEOLOGY at Edinburgh University—The Private Secretary, Scottish Office, Fielden House, 10 Great College Street, London, S.W.1 (January 11).

GRADUATE FULLY QUALIFIED TO TEACH PHYSICS—The Headmaster, Royal Liberty School, Romford.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

British Rubber Producers' Research Association. Publication No. 27: Rubber, Polyisoprenes and Allied Compounds. Part 2: The Molecule-Linking Capacity of Free Radicals and its Bearing on the Mechanism of Vulcanisation and Photo-Gelling Reactions. By E. H. Farmer and S. E. Michael. Pp. 8. Publication No. 28: The Interaction between Rubber and Liquids. 3: The Swelling of Vulcanised Rubber in Various Liquids. By G. Gee. Pp. 6. Publication No. 29: The Crystal Structure of β -Isoprene Sulphone. By E. G. Cox and G. A. Jeffrey. Pp. 8. (London: British Rubber Producers' Research Association.) [1111]

War-Time Information for Pharmacists. Compiled by the *Pharmaceutical Journal*. Pp. 54. (London: Pharmaceutical Press.) 1s. [1211]

Scientific Proceedings of the Royal Dublin Society. Vol. 23 (N.S.), No. 4: The Identity of the Top-Necrosis Virus in up-to-date Potato. By Phyllis E. M. Clinch. Pp. 18-34+1 plate. 2s. Vol. 23 (N.S.), No. 5: Formation of Gynospore, Female Gametophyte, and Archegonia in *Sequoia*. By W. J. Loohey and J. Doyle. Pp. 35-54. 2s. 6d. (Dublin: Hodges, Figgis and Co., Ltd.; London: Williams and Norgate, Ltd.) [1311]

Ministry of Agriculture and Fisheries. Bulletin No. 101: Hedge and Tree-Stump Clearing. By Dr. T. Swarbrick. Fourth edition. Pp. ii+13+4 plates. (London: H.M. Stationery Office.) 6d. net. [1811]

Royal Meteorological Society. Bibliography of Meteorological Literature. Prepared by the Royal Meteorological Society with the collaboration of the Meteorological Office. Vol. 5, No. 3 (January-June 1942). Pp. 29-46. (London: Royal Meteorological Society.) 2s. 6d. [2511]

Institute of Chemistry of Great Britain and Ireland. Lecture on Rust-, Acid- and Heat-Resisting Steels. By Dr. W. H. Hatfield. Pp. 48. (London: Institute of Chemistry.) [2511]

Proceedings of the Royal Society of Edinburgh. Section A (Mathematical and Physical Sciences). Vol. 61, Part 3, No. 17: Axiomatic Treatment of Kinematical Relativity. By Dr. G. C. McVittie. Pp. 210-222. 1s. Vol. 61, Part 3, No. 18: Heat Flow in the Region bounded Internally by a Circular Cylinder. By J. C. Jaeger. Pp. 223-228. 6d. Vol. 61, Part 3, No. 19: A Short Table of $1(0\ 1; \infty)$. By J. C. Jaeger and Martha Clarke. Pp. 229-230. 6d. (Edinburgh and London: Oliver and Boyd.) [2511]

Freshwater Biological Association of the British Empire. Scientific Publication No. 7: Keys to the British Species of Ephemeroptera with Keys to the Genera of the Nymphs. By D. E. Kimmins. Pp. 64. (Ambleside: Freshwater Biological Association.) 2s. 6d. [2511]

Social Insurance and Allied Services. Report by Sir William Beveridge. (Cmd. 6404.) Pp. 290. (London: H.M. Stationery Office.) 2s. net. [212]

City and Guilds of London Institute. Report of the Council to the Members of the Institute for the Year 1941. Pp. xlv. (London: Gresham College.) [212]

Haemoglobinometers, Haldane Type. (British Standard 1079: 1942). Pp. 12. (London: British Standards Institute.) 2s. net. [212]

Other Countries

Smithsonian Miscellaneous Collections. Vol. 103, No. 3: A Revision of the Indo-Chinese Forms of the Avian Genus *Prinia*. By H. G. Deignan. (Publication 8899.) Pp. ii+12. (Washington, D.C.: Smithsonian Institution.) [1311]

American Museum of Natural History. Vol. 80, Art. 4: The Osteology and Relationships of the Elephant Shrews (*Macroscelididae*). By Francis Gaynor Evans. Pp. 85-125. (New York: American Museum of Natural History.) [1611]

Brooklyn Botanic Garden Record. Vol. 31, No. 4: Prospectus 1942-1943, including Victory Garden Courses. Pp. viii+211-249. (Brooklyn, N.Y.: Brooklyn Institute of Arts and Sciences.) [1611]

Trinidad and Tobago: Forests Department. Administration Report of the Conservator of Forests for the Year 1941. Pp. 4. (Trinidad and Tobago: Government Printer.) 4 cents. [1611]

Transactions of the San Diego Society of Natural History. Vol. 9, No. 84: Foraminifera from the Type Area of the Kreyenhagen Shale of California. By J. A. Cushman and S. S. Siegfus. Pp. 385-420+ plates 15-19. Vol. 9, No. 85: Two New Wrens and a New Jay from Lower California, Mexico. By Laurence M. Huey. Pp. 427-434. Vol. 9, No. 86: A New Race of the Rusty Sparrow from North Central Sonora, Mexico. By A. J. van Rossem. Pp. 435-436. Vol. 9, No. 87: A New Flea of the Genus *Ceratophyllus*. By G. F. Augustson. Pp. 437-438. Vol. 9, No. 88: A Pleistocene Tortoise from the McKittick Asphalt. By Loye Miller. Pp. 439-442. (San Diego, Calif.: San Diego Society of Natural History.) [1811]

Records of the Geological Survey of India. Vol. 77, Professional Paper No. 2: A Geological Investigation of Tunnel Alignments for the Jumna Hydro-electric Scheme. By J. B. Auden. Pp. 29+10 plates. (Calcutta: Geological Survey of India.) 2.8 rupees; 4s. [2411]

U.S. Department of Agriculture. Circular No. 649: Studies on the Prevalence of the European Corn Borer in the East North Central States. By A. M. Vance. Pp. 24. (Washington, D.C.: Government Printing Office.) [2411]

Instituto Nacional de Tecnologia. Considerações sobre as propriedades anti-detonantes do álcool e seu emprego como combustível. Pelos Fernando Afonso Baster Pilar e Armando Silva de Araujo. Pp. 42. (Rio de Janeiro: Instituto Nacional de Tecnologia.) [2411]

Imperial Council of Agricultural Research. Miscellaneous Bulletin No. 16: Indian Grazing Conditions and the Mineral Contents of some Indian Fodders. Revised and enlarged by Dr. P. E. Lander. Pp. iii+118. 5.6 rupees; 8s. 6d. Miscellaneous Bulletin No. 49: Investigations on the Cold Storage of Nampur Oranges. By Dr. D. V. Karmarkar and B. M. Joshi. Pp. iii+17. 12 annas; 1s. Miscellaneous Bulletin No. 50: Report on Cardamom Cultivation in South India. By W. Wilson Mayne. Pp. ii+67. 1.10 rupees; 2s. 6d. (Delhi: Manager of Publications.) [2511]

Commonwealth of Australia: Council for Scientific and Industrial Research. Bulletin No. 148: Studies in Fertility in Sheep. 2: Seminal Changes affecting Fertility in Rams. By B. M. C. Gunn, R. N. Sanders and W. Granger. Pp. 140+15 plates. (Melbourne: Government Printer.) [2511]

Transactions of the American Philosophical Society. New Series, Vol. 32, Part 1: Contributions to the Archeology of the Illinois River Valley. By Frank C. Baker, James B. Griffin, Richard G. Morgan, Georg K. Neumann, Jay L. B. Taylor. Edited by James B. Griffin and Richard G. Morgan. Pp. iv+208 (68 plates). New Series, Vol. 32, Part 2: Egyptian Planetary Texts, by O. Neugebauer; On Some Astronomical Papyri and related Problems of Ancient Geography, by O. Neugebauer. Pp. ii+200-264+27 plates. (Philadelphia: American Philosophical Society.) [2511]

Annual Report of the Indian Central Jute Committee for the Year 1941-42. Pp. iv+218. (Calcutta: Indian Central Jute Committee.) [2511]

Indian Forest Leaflet No. 23 (Chemistry): Tamarind Seed, a Valuable Source of Commercial Pectin. By T. P. Ghose and S. Krishna. Pp. ii+7. (Dehra Dun: Forest Research Institute.) 4 annas; 6d. [2711]

Gold Coast Colony. Report on the Forestry Department for the Year 1941-42. Pp. 4. (Accra: Government Printer.) 1s. [212]

Catalogues

How Sunvic Hotwire Vacuum Switches Simplify Control in Research and Industry. (Publication Vu.10a.) Pp. 8. (London: Sunvic Controls, Ltd.)

The History of Science Library of Prof. A. Wolf, and some other New Acquisitions. (Catalogue 70.) Pp. 54. (London: E. P. Goldschmidt and Co., Ltd.)

Methyl-Isothioureia B.D.H. Pp. 2. (London: The British Drug Houses, Ltd.)