

large part of Wairarapa, and the intensity in Wellington City was between 7 and 8. There was evidence of surface faulting at a point 8 miles east of Masterton, and running from a point about 10 miles north-north-east of this point to about 30 miles south of it.

The area over which the shock was felt extended from about Auckland in the north to Dunedin and Queenstown in the south, the latter place being 470 miles from the epicentre. The epicentre, determined from seismographic evidence and supported by field evidence, was near lat. $40^{\circ}9' S.$, long. $175^{\circ}8' E.$ The focal depth was probably normal. Earthquake sounds, usually low rumblings, and luminous phenomena, usually blue or green flashes, were reported from numerous places in both islands.

Up to June 30, 418 aftershocks were recorded by the seismographs at Wellington, 300 of these being within 24 hours after the main shock. None of these shocks was a large one, but on August 2 at 00h. 34m. a.m. N.Z.D.S.T. a shock nearly as severe as the initial one occurred. Some further damage was caused, chiefly to buildings previously damaged, and occasionally to buildings repaired after the first shock in which the mortar had not had time to harden.

The Wairarapa district has been shaken previously by earthquakes on March 5, 1934, August 6, 1917, April 12, 1913, August 4, 1904, and in 1855, epicentres not always being in the same place.

FORTHCOMING EVENTS

(Meetings marked with an asterisk are open to the public)

Tuesday, February 23

ROYAL ANTHROPOLOGICAL INSTITUTE (at 21 Bedford Square, London, W.C.1), at 1.30 p.m.—Dr. I. Zollschan: "How to Combat Racial Philosophy".

ROYAL COLLEGE OF PHYSICIANS (at Pall Mall East, London, S.W.1), at 2.15 p.m.—Dr. S. A. Henry: "The Health of the Factory Worker in War Time" (Milroy Lectures, 1).

CHADWICK PUBLIC LECTURE (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 2.30 p.m.—Prof. M. Greenwood, F.R.S.: "Social and Industrial Environment and Disease".*

MANCHESTER LITERARY AND PHILOSOPHICAL SOCIETY (in Room No. 7, The University, Manchester), at 5 p.m.—Dr. J. H. Shaxby: "The Human Senses, especially Sight and Colour Vision".

INSTITUTION OF CIVIL ENGINEERS (RAILWAY ENGINEERING DIVISION) (at Great George Street, Westminster, London, S.W.1), at 5.30 p.m.—Mr. A. S. Quartermaine: "Railway Construction in Great Britain under War Conditions".

Wednesday, February 24

ROYAL SOCIETY OF ARTS (at John Adam Street, Adelphi, London, W.C.2), at 1.45 p.m.—Mr. P. E. Cross: "Agriculture To-day and To-morrow", 5: "Extension of Market Gardening into Agriculture".

Thursday, February 25

BRITISH SOCIETY FOR INTERNATIONAL BIBLIOGRAPHY (at the Science Museum, Exhibition Road, South Kensington, London, S.W.7), at 2.15 p.m.—Annual General Meeting. Mr. E. Lancaster-Jones: "The Operation of a Microfilm Service". Symposium on "The Classification of Maps and Plans for Territorial Planning" (to be opened by Mr. E. Carter).

ROYAL COLLEGE OF PHYSICIANS (at Pall Mall East, London, S.W.1), at 2.15 p.m.—Dr. S. A. Henry: "The Health of the Factory Worker in War Time" (Milroy Lectures, 2).

Friday, February 26

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 5 p.m.—Prof. L. P. Abercrombie: "The Inter-Action between Town and Country Planning".

CHEMICAL SOCIETY (in the Lecture Theatre of the Chemistry Department, University College of North Wales, Bangor), at 5.30 p.m.—Prof. T. P. Hilditch, F.R.S.: "Some Aspects of the Chemical Constitution of Milk Fats".

CHEMICAL SOCIETY (JOINT MEETING WITH THE UNIVERSITY CHEMICAL SOCIETY) (in the Chemical Lecture Theatre, The University, Sheffield), at 5.30 p.m.—Prof. J. M. Gulland: "Aspects of Nucleotide Chemistry" (Hilden Lecture).

Saturday, February 27

MALACOLOGICAL SOCIETY (at the Linnean Society, Burlington House, Piccadilly, London, W.1), at 2.30 p.m.—Annual General Meeting and Commemoration of the 50th Anniversary of the Society's Foundation.

LIGHT RAILWAY TRANSPORT LEAGUE (at Fred Tallant Hall, Room J, Drummond Street, London, N.W.1), at 3 p.m.—Dr. Hugh Nicol: "A Scientist Looks at Transport".*

APPOINTMENTS VACANT

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

ASSISTANT MASTER TO TEACH MATHEMATICS, WITH SOME PHYSICS OR CHEMISTRY, in the Sheffield Junior Technical School for Boys—The Director of Education, Education Office, Leopold Street, Sheffield 1 (February 24).

LECTURER IN ELECTRICAL ENGINEERING—The Clerk to the Governors, Heanor Mining and Technical School, 30 Mansfield Road, Heanor, Derbyshire (February 24).

TEACHER (MAN) OF PHYSICS in the Junior Technical School—The Principal, Technical College, Church Street, Barnsley (February 26).

CHAIR OF MINING—The Secretary, The University, Edmund Street, Birmingham 3 (March 1).

INSTRUCTOR IN BEEKEEPING—The Education Officer, County Hall, Wakefield (March 1).

ASSISTANT WITH KNOWLEDGE OF RUSSIAN, GERMAN AND OTHER EUROPEAN LANGUAGES—The Deputy Director, Imperial Bureau of Animal Breeding and Genetics, King's Buildings, Edinburgh 9 (March 5).

MASTER TO TEACH MATHEMATICS AND SCIENCE in the new Junior Technical School Building Course for Boys, Bingley Technical School—The Divisional Education Officer, Education Offices, Bingley, Yorks. (March 7).

SIR DORAB TATA READER IN PHARMACEUTICAL CHEMISTRY in the Department of Chemical Technology—The Registrar, University of Bombay, Bombay, India (April 15).

TEACHER OF ENGINEERING WORKSHOP PRACTICE AND GENERAL ENGINEERING SUBJECTS in the Burton-on-Trent Technical Institute and Junior Technical School—The Secretary and Director of Education, Education Offices, Guild Street, Burton-on-Trent.

RESEARCH ASSISTANT—The Director, Research Association of British Flour-Millers, Old London Road, St. Albans, Herts.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Selected Papers from the Royal Cancer Hospital (Free) and the Chester Beatty Research Institute. (Published by order of the Governors of the Royal Cancer Hospital (Free), London.) Vol. 1, 1935-1939. Pp. xii+484. (London: Royal Cancer Hospital (Free), 1941. [201

Thorley's Farmer's Diary and Almanack, 1943. Pp. 48. (London: Joseph Thorley, Ltd.) 6d. [201

Other Countries

Indian Forest Bulletin No. 112: Interim Report on the Manufacture of Kraft Paper from Bamboos. By M. P. Bhargava and Chatter Singh. Pp. v+13. (Delhi: Manager of Publications.) 7 annas: 8d. [81

Canada: Department of Mines and Resources, Mines and Geology Branch: Geological Survey. Paper 42-7: Preliminary Map, Takla, British Columbia. By J. E. Armstrong. 10 cents. Paper 42-11: The Pinchi Lake Mercury Belt, British Columbia. By J. E. Armstrong. Pp. 18+map. 10 cents. Paper 42-12: Preliminary Map, Vassan-Dubuisson, Abitibi County, Quebec. By G. W. H. Norman. 10 cents. Paper 42-13: Preliminary Map, Beresford Lake, Manitoba. By C. H. Stockwell. 10 cents. Paper 42-14: Preliminary Map, Gem Lake, Manitoba. By C. H. Stockwell. 10 cents. (Ottawa: King's Printer.) [81

Reports of the Biochemical Research Foundation of the Franklin Institute. Vol. 6, 1940-1941. (Newark, Del.: Biochemical Research Fund.) [151

Commonwealth of Australia: Council for Scientific and Industrial Research. Bulletin No. 146: An Analysis of the Outbreaks of the Australian Plague Locust (*Chortioctes terminifera* Walk) during the Seasons 1937-38 and 1938-39. By Dr. K. H. L. Key. Pp. 88. Pamphlet No. 110: The Main Virus Diseases of the Potato in Victoria. By Dr. J. G. Bald and A. T. Fuglsy. Pp. 40+4 plates. Pamphlet No. 114: Plant Introduction. 1: A Review, with Notes on Outstanding Species, by Dr. A. McTaggart; 2: Preliminary Selection and Evaluation of Pasture Species at Lawes (Queensland), by T. B. Paltridge. Pp. 30. (Melbourne: Government Printer.) [201

Faculdade de Ciências da Universidade do Porto: Instituto de Antropologia. Da Raca e do Espírito. Por Prof. A. A. Mendes Corrêa. Pp. viii+306. A Escola Antropológica Portuguesa. Por Prof. A. A. Mendes Corrêa. Pp. 60+19 plates. (Porto: Universidade do Porto.) [201

Asociación Española para el Progreso de las Ciencias. Perspectivas duma Antropología Citológica. Por el Dr. A. A. Mendes Corrêa. Pp. 16. (Madrid) Asociación Española para el Progreso de las Ciencias.) [201