

Mexico. This shock was registered at fifteen American stations and at Honolulu, Ottawa and Toledo (Spain), but not in any strength at Wellington, New Zealand. The second shock was on July 12 at 19h. 30.4m. G.M.T. from an epicentre at latitude 44.7° N., longitude 114.4° W. in Idaho. This was recorded at six United States seismograph stations. The third shock was on July 19 at 10h. 20.9m. G.M.T. from an epicentre at latitude 33° N., longitude 138° E. (off Japan). This was recorded at five U.S. stations and at Honolulu. All interpretations and calculations are tentative. During June twenty-two local earthquakes were felt in New Zealand. One, on June 28, may have attained an instrumental magnitude of $5\frac{1}{2}$. This was felt in eastern and southern parts of North Island and at Nelson just after 13h. 14m. G.M.T. The shock of June 26 had instrumental magnitude 5 and was felt at Gisborne, Hawkes Bay and Taupo region. Several shocks had Scale 4 intensity.

New Division of the Institution of Civil Engineers

THE Council of the Institution of Civil Engineers has approved the formation of a fifth division to be known as the Works Construction Division, under the chairmanship of Lieut.-Colonel C. M. Norris. Its objects are: "The promotion of the science and art of engineering in relation to the ways and means of carrying out engineering construction on the site: e.g. the use of machinery and plant, the design and maintenance of temporary works, the organization of engineering labour (including foremen and inspectors), and the use and inspection of materials". The opening meeting will be on January 2, 1945, when there will be a discussion on a report on "The Organization of Civil Engineering Work", recently prepared by the Institution and to be available shortly. All corporate members of the Institution who wish to apply for registration as members of the Division should inform the Secretary by post-card, giving name (in block letters), address, and grade in the Institution. The fourth division, approved also during 1944, was the Maritime Engineering Division dealing with harbours and docks, together with works of coastal protection and the like, under the chairmanship of Mr. Asa Binns. This will hold its first meeting on February 13, 1945. The other three divisions of the Institution are those of Road Engineering, Railway Engineering and Structural and Building Engineering.

Research Grants by the Society of Sigma Xi

ELEVEN grants-in-aid, totalling 2,415 dollars, have been made by the Society of the Sigma Xi, the national honorary research society of the United States. The committee which made the awards consisted of Dr. Harlow Shapley of Harvard College Observatory (president of the Society of the Sigma Xi), Dr. Hugh S. Taylor of Princeton University, and Dr. L. C. Dunn of Columbia University. They are as follow: Robert O. Bloomer, Corcoran School of Geology, University of Virginia, 200 dollars for aid in the study of Pre-Cambrian rocks of the Bear-tooth Mountain, Montana; Miles P. Givens, Pennsylvania State College, 100 dollars for aid in the investigation of the quantum nature of X-rays; C. Clayton Hoff, Department of Biology, Quincy College, 200 dollars for assistance in bibliographical work and to defray part of the expense connected with the study of the pseudoscorpions (taxonomy and distribution); Frank M. Hull, Department of Biology, University of Mississippi, 150 dollars for

the continuation of the study on *Baccha* and *Mesogramma* and related genera of Syrphid flies. Ying-chen Li, Department of Forestry, National Szechwan University, China, 500 dollars for the study of seed-production of several varieties of *Aleurites fordii*, the Chinese tung oil tree; David C. McClelland, Department of Psychology, Wesleyan University, 100 dollars for assistance in the preparation of a new scoring key for the Bernreuter personality inventory and for the Strong vocational interest test; Marie B. Morrow, Department of Botany and Bacteriology, University of Texas, 240 dollars for aid in the continuation of studies on methods of preparation of allergenic mould extracts; Donald M. Pace, Department of Physiology, University of Nebraska, 250 dollars for technical assistance in the continuation of studies on growth phenomena in *Chilomonas*; Hugh M. Raup, Department of Plant Ecology, Harvard University, 400 dollars for use in defraying expenses in connexion with the continuation of studies on the botany and plant geography of regions along the new Alaska Military Highway; Sidney Roberts, Department of Physiology, University of Minnesota Medical School, 150 dollars for aid in the study of the source and control of gluconeogenesis in the kidney; Pierre Van Rysselberghe, Department of Chemistry, University of Oregon, 125 dollars for aid in the study of the conductivity of non-aqueous solutions of metallic salts.

Announcements

THE Paris correspondent of *The Times* states that Prince Louis de Broglie, Prof. Pasteur Vallery Radot and M. André Siegfried have been elected members of the Paris Academy of Sciences, and M. Georges Duhamel has been appointed *secrétaire perpétuel*.

THE Lord President of the Council has appointed Sir Frank Smith to be chairman of the Road Research Board of the Department of Scientific and Industrial Research, in succession to the late Sir Clement Hindley.

THE Council of the University of Sheffield has made the following appointments: Dr. Z. P. Dienes to be temporary assistant lecturer in mathematics; Dr. I. F. S. Mackay to be lecturer in experimental physiology; and Mr. H. Lewis, Mr. J. Sedgwick, Mr. S. Waterworth and Mr. D. White to be part-time teachers in engineering.

AT the annual general meeting of the London Mathematical Society on November 16, in the rooms of the Royal Astronomical Society at 3.0 p.m., Prof. Jacques Hadamard, of the Paris Academy of Sciences, will give a lecture, "Psychological and Personal Recollections of a Mathematician". Members of other scientific societies will be welcome.

PROF. S. K. MITRA, of the University College of Science, Calcutta, and chairman of the Radio Committee of the Board of Scientific and Industrial Research of India, who is one of the delegation of Indian men of science now visiting Great Britain, will give a lecture on "Active Nitrogen" at a meeting of the Physical Society to be held at the Cavendish Laboratory, Cambridge, on October 24 at 2.30 p.m.

THE one hundred and fiftieth course of six lectures "adapted to a Juvenile Auditory", the well-known Christmas Lectures given at the Royal Institution, will be delivered by Sir Harold Spencer Jones, Astronomer-Royal, on December 28, 30, January 2, 4, 6 and 9 at 2.30 p.m.