

origin of earthquakes, including fault plane mechanism, occupies 146 items, and there are 119 titles of publications on seismic instruments. An important group concerns 28 papers on Antarctic seismicity.

#### A Special Mechanism for some Antarctic Earthquakes

T. HATHERTON and F. F. Evison have written on this question in the *New Zealand Journal of Geology and Geophysics*, 5, No. 5, 864; December 1962. Frequent small earthquakes recorded at Scott Base constitute the main seismic activity so far discovered within Antarctica. Prominent in many Scott Base seismograms is a sinusoidal wave of period 1.5–2 sec, with an onset velocity of about 650 m/sec; this has been interpreted as an air-coupled wave associated with flexural waves in the Ross Ice Shelf. Other unusual features of the earthquakes also suggest that they are caused by fractures in the ice near the Shelf edge, leading to the calving of icebergs.

#### "Interchange Reactions of Disulphides"

The following references were omitted from the communication under the above title, by Dr. E. R. Cole, which appeared on p. 1083 of the June 15 issue of *Nature*:

<sup>1</sup> Kharasch, M. S., Nudenberg, W., and Meltzer, T. H., *J. Org. Chem.*, **18**, 1233 (1953).

<sup>2</sup> Pierson, R. M., Costanza, A. J., and Weinstein, A. H., *J. Polymer Sci.*, **17**, 221 (1955).

<sup>3</sup> Davis, R. E., and Perrin, C., *J. Amer. Chem. Soc.*, **82**, 1590 (1960).

<sup>4</sup> Schaafsma, Y., Bickel, A. F., and Kooymann, E. C., *Tetrahedron*, **10**, 76 (1960).

<sup>5</sup> Barnard, D., and Cole, E. R., *Anal. Chim. Acta*, **20**, 540 (1959).

#### The Society for Applied Bacteriology

At the annual meeting of the Society for Applied Bacteriology, held in Aberdeen on July 16, the following were elected officers of the Society: *Honorary President*, Dr. T. Gibson; *Honorary Secretary*, Dr. Ella M. Barnes; *Honorary Treasurer*, Mr. G. Elis Jones; *Honorary Editors*, Dr. D. J. Jayne-Williams and Mr. G. Sykes; *Honorary Publications Manager*, Mr. A. H. Walters; *Honorary Advertising Manager*, Mr. E. J. Mann; *Members of Committee*, Dr. Christina M. Cousins, Dr. Elizabeth M. Harper, Dr. A. Hurst, Dr. J. G. Murray, Dr. Agnes A. Nichols, Dr. Patricia M. Scholes, Dr. A. Seaman, Dr. F. A. Skinner, Dr. Joan Taylor. Dr. J. R. Norris, was co-opted as an *Honorary Assistant Secretary*.

#### Courses at Sir John Cass College, London

THE following courses will be held at Sir John Cass College, London, during the academic year 1963–64: statistical methods in scientific and industrial research (twenty lectures on Monday evenings, commencing September 23); medical laboratory techniques (commencing September 23); domestic and industrial fuel, part 1 (twelve lectures on Tuesday evenings, commencing September 24); spectrochemical analysis (twelve lectures on Wednesday evenings, commencing September 25); general technology of petroleum (twenty-two lectures on Thursday afternoons, commencing September 26); molecular spectroscopy (fifteen lectures on Friday evenings, commencing September 27); solid-state physics (commencing October 1); domestic and industrial fuel, part 2 (fifteen lectures on Wednesday evenings, commencing October 2); fundamentals of microbiology (thirty lectures on Wednesday evenings, commencing October 2); fuel plant technology (twenty-one lectures on Wednesday evenings, commencing October 2); applied microbiology (thirty lectures on Thursday evenings, commencing October 3); solid fuels (seven lectures on Thursday evenings, commencing October 3); electronic computing systems, part 1 (twelve lectures on Wednesday evenings, commencing October 23); liquid fuels (seven lectures on Monday evenings, commencing January 13); patents and industrial design protection (eight lectures on Thursday evenings, commencing January 16); distillation (eight

lectures on Friday evenings, commencing January 17); electronic computing systems, part 2 (twelve lectures on Wednesday evenings, commencing January 15); vibrational spectroscopy (sixteen lectures on Wednesday evenings, commencing February 26); trade marks (four lectures on Thursday evenings, commencing April 30); advanced mathematics four-year course for full-time or part-time students; petroleum and petroleum products (two-year evening course); mathematics (two-year evening course to Advanced Level General Certificate of Education standard). Further information can be obtained from the Secretary, Sir John Cass College, Jewry Street, Aldgate, London, E.C.3.

#### Announcements

SIR HANS A. KREBS, Whitley professor of biochemistry in the University of Oxford and 1953 Nobel Prizewinner for Physiology and Medicine, has been appointed official visitor to the British Baking Industries Research Association for the next five years. Dr. T. F. Macrae, who has been an official visitor to the Research Association for the past five years, has accepted re-appointment for a further three years.

THE annual open day of the Water Research Association will be held at its new Research Station at Medmenham, Bucks (see *Nature*, **192**, 803; 1961), on September 18. Further information can be obtained from the Water Research Association, Medmenham, Marlow, Bucks.

A CONFERENCE on "Diamond Abrasives and Tools", sponsored by De Beers Consolidated Mines, Ltd., will be held in Milan on October 7, during the eighth European Machine Tool Exhibition. Further information can be obtained from John Burls, Diamond Abrasive and Tool Conference, 40 Holborn Viaduct, London, E.C.1.

THE seventh international symposium of the Society of European Nematologists will be held at the West of Scotland Agricultural College, Auchincruive, Ayr, during September 9–13. The symposium will be concerned largely with the practical control of eelworm diseases of crop plants. Further information can be obtained from Dr. John Grainger, West of Scotland Agricultural College, Auchincruive, Ayr.

A CONFERENCE on "Management, Productivity and Industrial Relations", arranged by the Institute of Personnel Management, will be held at Harrogate during October 10–12. Four one-day courses are being arranged to precede the conference on October 10, dealing with the following subjects: the economics of personnel management; Trade Union membership and the non-manual worker; fringe benefits: philosophy, practice and dangers; recruitment, selection and training of selling staff. Further information can be obtained from the Institute of Personnel Management, Management House, 80 Fetter Lane, London, E.C.4.

AN ordinary meeting of the Midlands Section of the Society for Analytical Chemistry, on the subject of "Contributions to Analytical Chemistry by Younger Members of the Profession", will be held in the Chemistry Department of the University of Birmingham on September 18. Further information can be obtained from the Society for Analytical Chemistry, 14 Belgrave Square, London, S.W.1.

THE second Croxson Memorial Lecture of the Society of Non-Destructive Examination on "A Lifetime's Experience of Non-Destructive Testing in the Steel Industry" will be delivered by Mr. E. W. Colbeck, deputy chairman of Hadfields, Ltd., Sheffield, at the Conference Centre, Church House, London, on September 11. Further information and tickets can be obtained from the Conference Secretary, Fourth International Conference of Non-Destructive Testing, Institution of Mechanical Engineers, 1 Birdcage Walk, London, S.W.1.