

branches and groups of the Institute, and to the Physical Society and its groups. It is recorded, further, that for the first time for many years it has been possible to print sufficient copies to meet the continually increasing circulation. An addition to the "Physics in Industry" series was published during the year, being the papers read at the conference on the measurement of stress and strain held at Manchester in 1946. In accordance with the resolution of the Board to concentrate first on the development of publications, a committee has been set up to advise on the early establishment of a new journal devoted to applied physics, and the publication of educational booklets, a monthly house journal, and further volumes in the "Physics in Industry" series.

Eight of the thirty pages of the annual report are devoted to the activities of the branches and groups of the Institute. These make interesting reading. The Australian branch, in addition to a very successful conference on heat transfer at which thirty-three papers were read, has had several visits from prominent British physicists, including the late Sir Clifford Paterson and Prof. M. L. E. Oliphant. The Indian branch does not appear to have been very active, but the five branches and six subject-groups in Great Britain have held a diversity of discussions, lectures and conferences of very high standard and interest.

FORTHCOMING EVENTS

(Meeting marked with an asterisk * is open to the public)

Wednesday, July 6

INSTITUTION OF MINING AND METALLURGY (at the Royal Institution, 21 Albemarle Street, London, W.1), at 5 p.m.—Dr. C. H. Desch, F.R.S.: "The Effect of Impurities on the Properties of Metals" (Second Sir Julius Wernher Memorial Lecture).*

Thursday, July 7

ROYAL SOCIETY (at Burlington House, Piccadilly, London, W.1), at 2.15 p.m.—Discussion on "Muscular Contraction and Relaxation—their Physical and Chemical Bases" (to be opened by Prof. A. V. Hill, F.R.S.).

Thursday, July 7—Friday, July 8

INSTITUTION OF MINING AND METALLURGY (at the Royal Institution of Chartered Surveyors, 14 Great George Street, London, S.W.1), at 10 a.m. each day.—Symposium on "The Refining of Non-Ferrous Metals".

APPOINTMENTS VACANT

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

LECTURER to take Biology up to the standard of Intermediate Science, First *M.B.*, etc.—The Clerk to the Governors, Mid-Essex Technical College and School of Art, Market Road, Chelmsford (July 9).

LECTURER IN PHYSICS AND PHYSICAL CHEMISTRY at the Birkenhead Technical College—The Director of Education, Education Offices, 63 Hamilton Square, Birkenhead (July 9).

RESEARCH STUDENTSHIP to carry out physiological and clinical investigations into congenital heart disease—The Dean, Guy's Hospital Medical School, London Bridge, London, S.E.1 (July 9).

LECTURER IN THE PHYSICS AND MATHEMATICS DEPARTMENT, to teach up to B.Sc. General Degree standard—The Clerk to the Governors, South-East Essex Technical College and School of Art, Longbridge Road, Dagenham (July 9).

ASSISTANT LECTURER IN PHYSICS at the Bradford Technical College—The Director of Education, Town Hall, Bradford (July 9).

ASSISTANT LECTURER IN THE DEPARTMENT OF CHEMISTRY to undertake teaching in Physical Chemistry—The Registrar, University College, Hull (July 11).

LECTURER IN GEOGRAPHY, specially for research in cartographic methods—The Secretary, The University, Edinburgh (July 15).

PHYSICIST in the Dominion Physical Laboratory—The High Commissioner for New Zealand, 415 Strand, London, W.C.2 (July 15).

ASSISTANT AGRICULTURAL ECONOMIST—The Registrar, The University, Bristol 8 (July 16).

FISHERIES OFFICER IN THE DEPARTMENT OF AGRICULTURE—The Secretary to the High Commissioner for Southern Rhodesia, Rhodesia House, 429 Strand, London, W.C.2 (July 22).

LECTURER OR ASSISTANT LECTURER IN THE DEPARTMENT OF BOTANY—The Registrar, The University, Sheffield (July 23).

DEMONSTRATOR IN BOTANY—The Registrar, The University, Leeds 2 (July 25).

SCIENTIST (Grade I or Grade II) on Coal Survey H.Q. staff, for work involving the collation of scientific data relating to coal seams and carrying considerable executive responsibility—The National Coal Board, Establishments (General Branch), Hobart House, Grosvenor Place, London, S.W.1, endorsed TT/146 (July 28).

SENIOR LECTURER IN ELECTRICAL ENGINEERING—The Secretary, Royal Technical College, Glasgow (July 30).

ENGINEER II in the Inspectorate of Armaments, Ministry of Supply—The Ministry of Labour and National Service, Technical and Scientific Register (K), York House, Kingsway, London, W.C.2, quoting D.137/49A (July 30).

CURATOR OF THE DEPARTMENT OF NATURAL HISTORY in the Museum, Kelvingrove, Glasgow—The Town Clerk, City Chambers, Glasgow, endorsed 'Curator of the Department of Natural History' (July 30).

LECTURERS (2) IN ZOOLOGY, one having special reference to Experimental Zoology and the other to Cytology and Protozoology—The Secretary, The University, Edinburgh (July 31).

LECTURER IN PHARMACOLOGY in the Senior Medical School, Dundee—The Secretary, The University, St. Andrews (July 31).

ASSISTANT LECTURER IN MATHEMATICS AND ENGINEERING—The Registrar, The University, Manchester 13 (August 8).

ASSISTANT LECTURER IN PHYSICS—The Registrar, The University, Reading (August 15).

LECTURER IN BIOCHEMISTRY in the Department of Physiology—The Secretary, Royal Veterinary College and Hospital, Royal College Street, London, N.W.1 (August 15).

CHAIR OF CHEMISTRY at Victoria University College, New Zealand—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (August 31).

SCIENTIFIC OFFICER (with honours degree in Zoology) to join a team studying Plankton Zoology in relation to the Fisheries—The Officer in Charge, Oceanographic Laboratory, 23 Sandport Street, Leith, Edinburgh 6.

LECTURER IN BIOLOGY, to take classes up to Final Degree standard in Zoology—The Director of Education, The Polytechnic, 309 Regent Street, London, W.1.

LECTURER IN CHEMISTRY—The Registrar, Municipal College, Portsmouth.

BIOCHEMICAL TECHNICIAN—The Dean, St. Thomas's Hospital Medical School, London, S.E.1.

ASSISTANT SUPERINTENDENT to be responsible for the operation of all the production units in a large factory consisting of nuclear piles and associated chemical plants—The Staff Section, Ministry of Supply, Division of Atomic Energy (Production), Risley, Warrington.

LABORATORY TECHNICIAN—The Administrative Officer, National Institute for Medical Research, Hampstead, London, N.W.3.

SENIOR GEOLOGIST FOR THE MINES DEPARTMENT, Adelaide—The Agent-General for South Australia, South Australia House, Marble Arch, London, W.1.

ASSISTANT CHEMIST IN THE SCIENTIFIC RESEARCH DEPARTMENT, Glasgow—The Scientific Research Manager, Railway Executive, London Midland Region, Euston Station, London, N.W.1.

YOUNG CHAIR OF TECHNICAL CHEMISTRY—The Secretary, Royal Technical College, Glasgow.

DEMONSTRATOR IN PHARMACEUTICS—The Registrar, The University, Nottingham.

ASSISTANT LECTURER AND DEMONSTRATOR IN THE DEPARTMENT OF CHEMISTRY—The Secretary, King's College of Household and Social Science, Campden Hill Road, London, W.8.

PATHOLOGICAL LABORATORY TECHNICIAN—The Administrative Officer, Kingston General Hospital, Hull.

POST-GRADUATE STUDENTSHIPS (6) in preparation for research in Soil Science in the Colonial Empire—The Under-Secretary of State, Colonial Office (Research Department), Sanctuary Buildings, Great Smith Street, London, S.W.1.

SENIOR ASSISTANT FOR APPLIED PHYSICS—The Registrar, College of Technology and Commerce, The Newarke, Leicester.

ASSISTANT (with university degree or equivalent technical qualification) to work in the Information Section—The Personnel Officer, British Iron and Steel Research Association, 11 Park Lane, London, W.1.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Geological Survey and Museum. A Prospector's Handbook to Radioactive Mineral Deposits. Pp. 28. (London: H.M. Stationery Office, 1949.) 6d. net. [105]

New Education. No. 1, May 1949. Pp. 18. (Edinburgh: New Education Press, 1949.) 1s. 3d. [115]

Anti-Locust Bulletin 4: Aircraft Spraying against the Desert Locust (*Schistocerca gregaria* Forskål) in Kenya, 1945. By Dr. D. L. Gunn, F/Lt. J. F. Graham, F/Lt. E. C. Jacques, F/O. F. C. Perry, F/Lt. W. G. Seymour, F/Lt. T. M. Telford, J. Ward, E. N. Wright and D. Yeo. Pp. 121+19 plates. (London: Anti-Locust Research Centre, British Museum (Natural History), 1948.) 12s. [115]

Department of Scientific and Industrial Research. Report of the Chemistry Research Board, with Report of the Director of the Chemical Research Laboratory for the Year 1947. Pp. iv+91. (London: H.M. Stationery Office, 1949.) 2s. net. [115]

Catalogues

Cambridge Unipivot Galvanometers for D.C. Measurements. (Sheet No. 284.) Pp. 4. Cambridge Unipivot Galvanometers for A.C. Measurements. (Sheet No. 285.) Pp. 4. (London: Cambridge Instrument Co., Ltd., 1949.)

Biological Stains and Reagents. (List X.) Pp. 28. (London: George T. Gurr, 136 New King's Road, S.W.6, 1949.)

Some Industrial Uses of PVC. Pp. 6. (London: BX Plastics, Ltd., 1949.)