

1947. At the Astrophysical Laboratory, the Division of Astrophysical Research has been concerned mainly with appraising the solar-constant values received from its field stations and planning and developing improvements in instruments and methods. Eighteen months of continuous measurement of sun and sky radiation have been completed at Camp Lee, Virginia, and the work is being extended to include measurements and exposures at a wet, sea-level and a dry, high-altitude station. The Division of Radiation and Organisms was concerned with the role of light, especially the wave-length effects on the fixation of carbon by green plants, and with the mechanism of dormancy in seeds sensitive to light and the study of the developmental physiology of grass seedlings. A critical review of the literature dealing with the germination of lettuce seed is in preparation, and studies are in progress on the identification of volatile substances responsible for inhibiting the germination of several species of seeds.

The report on publications lists the titles of twenty-six papers in the Smithsonian Miscellaneous Collection, twenty-two in the general appendix to the Smithsonian Annual Report, and three bulletins from the National Museum.

## FORTHCOMING EVENTS

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

Monday, July 12—Saturday, July 17

SOCIETY OF CHEMICAL INDUSTRY (at the Assembly Rooms, George Street, Edinburgh).—Annual General Meeting.

Wednesday, July 14

At 9.45 a.m.—Sir John Anderson, F.R.S.: "Science in relation to the Public Services".

Thursday, July 15

At 9.45 a.m.—Sir Robert Robinson, F.R.S.: "The Device of Imitation of Molecules in the Biological Field" (Lister Memorial Lecture).

Wednesday, July 14

ASSOCIATION OF OPTICAL PRACTITIONERS (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 2 p.m.—Dr. Matthew Luckiesh: "Factors Concerned in Vision, Light and Seeing".\*

Wednesday, July 14—Friday, July 16

PHYSICAL SOCIETY, ACOUSTICS GROUP (joint meeting with the ROYAL INSTITUTE OF BRITISH ARCHITECTS, at 66 Portland Place, London, W.1), at 10 a.m. and 2.30 p.m. each day—International Conference on "Noise and Sound Transmission".

Wednesday, July 14

At 10 a.m. and 2.15 p.m.—"Sound Transmission".

Thursday, July 15

At 10 a.m.—Papers of Architectural Interest.

Friday, July 16

At 10 a.m.—"Measurement of Noise and Vibration"; at 2.30 p.m.—"Applied Acoustics".

Saturday, July 17

NUTRITION SOCIETY (in the Barnes Hall, Royal Society of Medicine, 1 Wimpole Street, London, W.1), at 10.30 a.m.—Conference on "The Nutrition of Athletes".

## APPOINTMENTS VACANT

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

LECTURER IN PHYSIOLOGY (Grade I or II)—The Secretary and Registrar, The University, Bristol (July 17).

ASSISTANT LECTURER (Grade III) IN THE DEPARTMENT OF PHYSICS—The Registrar, The University, Liverpool (July 17).

UNIVERSITY LECTURER IN BOTANY, to lecture on Mycology or Mycological Plant Pathology—The Secretary, Faculty of Biology "A", Department of Zoology, Downing Street, Cambridge (July 17).

LECTURER IN PHARMACOLOGY—The Registrar, The University, Leeds 2 (July 17).

CHEMIST or PHYSICIST for testing of refractories, a PHYSICIST for physical work connected with gasworks practice, a CHEMIST or PHYSICIST for abstracting, collating and reporting from technical literature, and a CHEMIST to join research staff dealing with problems connected with gas manufacture—The General Manager and Secretary, City of Birmingham Gas Department, The Council House, Birmingham 3 (July 19).

LECTURER IN SURVEYING for Department of Civil Engineering—The Secretary, University College, Gower Street, London, W.C.1 (July 23).

SENIOR LECTURER IN MATHEMATICS in the Department of Aerodynamics—The Registrar, The College of Aeronautics, Cranfield, Bletchley, Bucks, marked 'Senior Lecturer in Mathematics' (July 24).

LECTURER IN BIOCHEMISTRY for the Department of Physiology—The Secretary, Royal (Dick) Veterinary College, Summerhall, Edinburgh 9 (July 26).

SENIOR LECTURER or LECTURER IN BOTANY for the University of Melbourne—The Secretary, Universities Bureau of the British Empire, 8 Park Street, London, W.1 (July 31).

PROFESSOR OF BOTANY at Rhodes University College, Grahamstown, South Africa—The Secretary, Universities Bureau of the British Empire, 8 Park Street, London, W.1 (July 31).

ASSISTANT DIRECTOR OF RESEARCH with practical experience of computation to work in the Mathematical Laboratory, and a UNIVERSITY DEMONSTRATOR whose primary interest is statistics—The Secretary to the Appointments Committee, Trinity College, Cambridge (July 31).

SENIOR LECTURER or LECTURER IN ANATOMY (Histology)—The Registrar, The University, Sheffield (July 31).

KEEPER OF ANTIQUITIES—The Director, Museum and Art Gallery, New Walk, Leicester (August 30).

CHAIR OF APPLIED MATHEMATICS—The Registrar, University College, Southampton (September 20).

AGRICULTURAL EDUCATION ADVISER—The Secretary for Education, County Buildings, Shrewsbury.

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

CURATOR at the Municipal Museum—The Town Clerk, Town Hall, Tunbridge Wells, Kent.

LABORATORY STEWARD at the College, Swindon—The Borough Education Officer, Education Office, Civic Offices, Swindon, Wilts.

LECTURER IN BIOLOGY—The Clerk to the Governors, South-East Essex Technical College and School of Art, Longbridge Road, Dagenham, Essex.

LECTURER IN BIOLOGY in the Senior Technical College—The Principal, Technical College, Luton, Beds.

LECTURER IN CHEMISTRY for Science Department, Municipal Technical College—The Director of Education, Education Office, St. Helens, Lancs.

LECTURER IN MATHEMATICS (male)—The Principal, Acton Technical College, High Street, Acton, London, W.3.

METALLURGIST to take part in investigations on casting of ingots and on ingot mould design and performance—The Personnel Officer, British Iron and Steel Research Association, 11 Park Lane, London, W.1.

METEOROLOGICAL FORECASTERS for the East African and West African Meteorological Services—The Director of Recruitment (Colonial Service), 15 Victoria Street, London, S.W.1.

PHYSICIST or CHEMIST to undertake research on adhesive and related properties of rubber, and a PHYSICAL CHEMIST to undertake research on latex—The Research Association of British Rubber Manufacturers, 105 Lansdowne Road, Croydon, Surrey.

RESEARCH FELLOWSHIPS (2) IN EDUCATION, within the Institute of Education—The Secretary, The University, Edmund Street, Birmingham 3.

SENIOR ASSISTANT IN THE ENGINEERING DEPARTMENT, County Technical College, Wednesbury—The Director of Education (Dept. F.E.), County Education Offices, Stafford.

SENIOR LECTURER in component and detail STRESSING OF AIRCRAFT STRUCTURES in the Department of Aircraft Design—The Registrar, The College of Aeronautics, Cranfield, Bletchley, Bucks, marked 'Senior Lecturer in Aircraft Stressing'.

TECHNICIAN FOR THE DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY—The Secretary, St. Mary's Hospital Medical School, Paddington, London, W.2.

TIMBER MARKETING OFFICER by Government of Nigeria, Commerce and Industries Department—Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M/N/17860/3E.

LECTURER IN CHEMISTRY and a LECTURER IN PHYSICS—The Principal, County Technical College, St. James's Road, Kingston-upon-Thames, Surrey.

LECTURER IN CIVIL ENGINEERING—The Director, Robert Gordon's Technical College, Aberdeen.

LECTURER IN MATHEMATICS and a LECTURER IN CHEMISTRY for Municipal Technical College—The Director of Education, Education Offices, Library Street, Blackburn.

LECTURER IN MECHANICAL ENGINEERING—The Principal, Handsworth Technical College, Golds Hill Road, Handsworth, Birmingham 21.

LECTURER IN MECHANICAL ENGINEERING—The Principal, Technical College, Queen Street South, Huddersfield.

LECTURER IN PHYSICS—The Principal, Birmingham Central Technical College, Suffolk Street, Birmingham 1.

LECTURER IN PHYSICS—The Clerk to the Governors, Chelsea Polytechnic, London, S.W.3.

SENIOR ASSISTANT LECTURER IN THE DEPARTMENT OF MECHANICAL ENGINEERING—The Principal, Borough Polytechnic, Borough Road, London, S.E.1.

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

### Other Countries

Government of Palestine: Board of Scientific and Industrial Research. Problems of Heat Physiology in Palestine. Report to the Colonial Medical Research Committee by Dr. W. S. S. Ladell. Pp. 22, 100 mls; 2s. Survey of Literature on the Influence of Ions on Plants and Soils. Compiled by Dr. A. Mibashen. Pp. 46, 200 mls; 4s. (Jerusalem: Board for Scientific and Industrial Research, 1948.) [195