

## FORTHCOMING EVENTS

Wednesday, September 4

INSTITUTE OF PETROLEUM (at 26 Portland Place, London, W.1), at 5.30 p.m.—Mr. A. Kranendonk (N.V. De Bataafsche Petroleum Mij.): "Some Developments in Marine Drilling Foundations".

Wednesday, September 4—Wednesday, September 11

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (at Dublin).—Annual Meeting.

Wednesday, September 4

At 7.30 p.m.—Prof. P. M. S. Blackett, F.R.S.: "Technology and World Advancement" (Presidential Address).

Thursday, September 5

At 10 a.m.—Prof. J. Z. Young, F.R.S.: "The Evolution of Organization in the Nervous System" (Presidential Address, Section D).

At 10 a.m.—Prof. Sir Lindor Brown, F.R.S.: "Chemical Transmission at Nerve Endings" (Presidential Address, Section I).

At 10 a.m.—Prof. J. Doyle: "Aspects and Problems of Conifer Embryology" (Presidential Address, Section K).

At 10 a.m.—Sir James Turner: "The Role of Agriculture in the British Economy" (Presidential Address, Section M).

At 11.15 a.m.—Mr. T. McEvoy: "Forestry in Ireland" (Chairman's Address, Section K\*).

At 11.30 a.m.—Dr. J. W. Cook, F.R.S.: "Chemical Approaches to the Investigation of Lung Cancer" (Presidential Address, Section B).

At 11.30 a.m.—Prof. J. E. Meade: "The Balance-of-Payments Problems of European Free Trade" (Presidential Address, Section F).

At 11.30 a.m.—Dr. H. G. Maule: "The Worker and his Work" (Presidential Address, Section J).

At 2.15 p.m.—Prof. C. F. C. Hawkes: "Archæology as Science: Purposes and Pitfalls" (Presidential Address, Section H).

At 2.15 p.m.—Prof. D. A. Webb: "The Vasculum and the Microtome—the Relationship between Natural History and Laboratory Biology" (Presidential Address, Section X).

At 8 p.m.—Mr. G. F. Mitchell: "Ireland in Antiquity: the Chronological Background" (Evening Discourse).

Friday, September 6

At 10 a.m.—Prof. T. G. Cowling, F.R.S.: "Stellar Energy and Stellar Evolution" (Presidential Address, Section A).

At 10 a.m.—Sir David Anderson: "Education and Training for the Engineering Industry" (Presidential Address, Section G).

At 11.30 a.m.—Prof. David L. Linton: "The Everlasting Hills" (Presidential Address, Section E).

At 11.30 a.m.—Mr. L. R. Missen: "The Education of the Countryman" (Presidential Address, Section L).

At 8 p.m.—Dr. H. J. Bhabha, F.R.S.: "On the Economics of Atomic Power Development in India and the Indian Atomic Energy Programme" (Evening Discourse).

Sunday, September 8

At 11.15 a.m. (in St. Patrick's Cathedral)—Religious Service. Preacher: The Lord Archbishop of Dublin.

Monday, September 9

At 10 a.m.—Dr. G. H. Mitchell, F.R.S.: "Ordovician Volcanoes" (Presidential Address, Section C).

At 8 p.m.—Sir Sydney Caine: "Education for Development".

## APPOINTMENTS VACANT

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

ASSISTANT, Grade B, IN THE MATHEMATICS DEPARTMENT, to teach Mathematics (Pure and Applied) to the level of the higher national certificate and B.Sc. General Degree Part I.—The Principal, Derby and District College of Technology, Normanton Road, Derby (September 7).

HEAD (with a good honours degree in physics, together with a research degree, the Fellowship or Associateship of the Institute of Physics and teaching experience, preferably in a technical college or university) OF THE PHYSICS DEPARTMENT.—The Principal, Wigan and District Mining and Technical College, Wigan (September 7).

SENIOR LECTURER (with a degree in physics, and industrial, research and teaching experience, and preferably a special interest in some branch of applied physics) IN PHYSICS.—The Clerk to the Governing Body, Brunel College of Technology, Woodlands Avenue, Acton, London, W.3 (September 7).

MILES AMES FELLOW (with a Ph.D. degree or equivalent in chemistry, biochemistry or an allied subject) IN ENDOCRINOLOGY, to carry out original work on steroid hormones or on any other aspect of endocrinology in which he or she is particularly competent.—The Secretary, King's College Hospital Medical School, Denmark Hill, London, S.E.5 (September 14).

UNITED STEEL COMPANIES' RESEARCH FELLOW (with some research experience) IN THE DEPARTMENT OF METALLURGY, to work on the purification of iron by zone melting and to make a systematic study of the properties of high purity iron and its alloys.—The Registrar, The University, Sheffield (September 16).

HYDROLOGIST (with a university honours degree or equivalent with chemistry as a major subject, and some physics and mathematics and postgraduate research experience, preferably in a marine hydrological laboratory) IN THE DIVISION OF FISHERIES AND OCEANOGRAPHY, Commonwealth Scientific and Industrial Research Organization,

Sydney, New South Wales, to take part in a research programme on the chemistry of Australian coastal waters—Chief Scientific Liaison Officer, Australian Scientific Liaison Office, Africa House, Kingsway, London, W.C.2, quoting Appointment No. 320/128 (September 21).

DIRECTOR (with suitable qualifications and considerable experience in museum work) of City Museums—The Town Clerk, Civic Hall, Leeds 1 (September 30).

GUM RESEARCH OFFICER (with a thorough knowledge of forestry, an appropriate university degree, and experience in tropical forestry and research work and modern silvicultural practices) IN THE FORESTRY DEPARTMENT of the Ministry of Agriculture, Sudan—Sudan Embassy, Personnel Section, Cleveland Row, St. James's, London, S.W.1, quoting Ref. "Gum Research Officer 4/445" (September 30).

SENIOR LECTURER IN THEORETICAL AERODYNAMICS.—The Recorder, The College of Aeronautics, Cranfield, Bletchley, Bucks (September 30).

SENIOR LECTURER (with a Doctorate of Philosophy or Science conferred for research in some branch of physics, and preferably some lecturing experience) IN PHYSICS, at the University of Queensland, Australia.—The Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1 (Australia, September 30).

CHAIR OF APPLIED MATHEMATICS.—The Registrar, University College of Wales, Aberystwyth (October 7).

RESEARCH ASSISTANT (with a good honours degree in physics and some postgraduate experience in high vacuum work) IN THE FIELD OF VACUUM SPECTROSCOPY.—Prof. R. W. Ditchburn, The University, Reading (October 15).

READER IN GEOPHYSICS at the University of Melbourne, Australia.—The Secretary, Association of Universities of the British Commonwealth, 36 Gordon Square, London, W.C.1 (Australia, November 15).

BIOCHEMIST, Basic grade (with a first- or second-class honours degree in chemistry or biochemistry)—The Medical Superintendent, Royal Infirmary, Glasgow, C.4.

GEOPHYSICIST (preferably single, with an honours degree in geology or physics and a good knowledge of magnetometer survey) with the Falkland Islands Dependencies Survey, for service in the Antarctic for eighteen months under conditions which are a test of character and resource.—The Crown Agents, 4 Millbank, London, S.W.1, quoting M.3B/44252/NF.

INSTRUCTOR or ASSISTANT PROFESSOR (with the Ph.D. degree or equivalent) IN ENTOMOLOGY.—Prof. I. McL. Cowan, Department of Zoology, University of British Columbia, Vancouver, B.C., Canada.

LABORATORY STEWARD IN THE CHEMISTRY AND BIOLOGY DEPARTMENT.—The Registrar, College of Technology, Park Road, Portsmouth.

LECTURER, ASSISTANT PROFESSOR, or PROFESSOR (with a Ph.D. degree and experience in teaching and research) IN BACTERIOLOGY, at the College of Arts and Science, Baghdad, Iraq.—The Cultural Attaché, Iraqi Embassy, 22 Queen's Gate, London, S.W.7.

LECTURER, Grade B (graduate of a British university, and preferably an interest in statistics or the industrial application of mathematics) IN MATHEMATICS.—The Clerk to the Governing Body, Battersea College of Technology, London, S.W.11.

SCIENTIFIC OFFICERS (with a first- or second-class honours degree in appropriate scientific subjects, or equivalent qualifications, and preferably some knowledge of electronics) AT THE ATOMIC WEAPONS RESEARCH ESTABLISHMENT, Foulness, Essex, for the development and application of instrumentation for research on explosives and properties of materials under conditions of high pressures and temperatures, with opportunities for original design work in the solution of unusual problems.—The Senior Recruitment Officer, Atomic Weapons Research Establishment, Aldermaston, Berks, quoting Ref. 1563/34.

SENIOR AND JUNIOR RESEARCH FELLOWS (with a first- or second-class honours degree in an appropriate subject, and able to show evidence of a very high standard of ability in research) at Government Scientific Establishments, for research into subjects of importance to H.M. Government.—The Civil Service Commission, Scientific Branch, 30 Old Burlington Street, London, W.1, quoting S.4695/57.

SENIOR TECHNICIAN (preferably with higher national certificate or equivalent qualifications) for electronics work in connexion with a 30 MeV. synchrotron and other projects.—The Secretary, Institute of Cancer Research, Royal Cancer Hospital, Fulham Road, London, S.W.3.

SYSTEMATIC BOTANIST AND ECOLOGIST (with an honours degree in botany and at least two years research experience preferably in ecology; or an honours degree or equivalent in agricultural science plus two years completed postgraduate training in botany, preferably with an ecological bias) in Sierra Leone, to carry out ecological studies appertaining to agricultural and forestry field problems (including the maintenance and enlargement of a herbarium)—The Director of Recruitment, Colonial Office, London, S.W.1, quoting BCD/63/15/012.

ZOO SUPERINTENDENT (preferably with wide zoological and administrative experience)—The Secretary, Bellevue Zoological Gardens, Manchester 12.

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