

**TECHNICAL ASSISTANT** (with a University degree in engineering or science or equivalent qualifications, together with knowledge of and practical experience in control of work in the fields of geodesy applied to mapping and aerial navigation, map construction and cartography, process photography and lithographic reproduction) to the Head of Establishment at the Air Ministry Survey Production Centre, Teddington—The Civil Service Commission, Scientific Branch, Trinidad House, Old Burlington Street, London, W.1, quoting S.4137/52 (May 22).

**CHAIR OF ANATOMY**, and the **CHAIR OF HISTORY**, in the University of Hong Kong—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (May 31).

**CHAIR OF CHEMISTRY** in University College, Ibadan—The Secretary, Inter-University Council for Higher Education in the Colonies, 1 Gordon Square, London, W.C.1 (May 31).

**ENTOMOLOGISTS** (with a degree in zoology and a sound knowledge of entomology and botany) to carry out a survey of the tsetse areas of the Sudan and undertake research work—The Sudan Agent in London, Wellington House, Buckingham Gate, London, S.W.1, endorsed 'Entomologist, 4/2204' (May 31).

**LECTURER IN PHYSICS** at Rhodes University, Grahamstown, South Africa—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (May 31).

**SENIOR LECTURER, LECTURER OR ASSISTANT LECTURER IN MATHEMATICS**, and a **LECTURER IN SOIL SCIENCE**, at University College, Ibadan—The Secretary, Inter-University Council for Higher Education in the Colonies, 1 Gordon Square, London, W.C.1 (May 31).

**LECTURER IN THE ELECTRICAL ENGINEERING DEPARTMENT**—The Head of the Electrical Engineering Department, City and Guilds College, Exhibition Road, London, S.W.7 (June 1).

**LECTURER OR ASSISTANT LECTURER IN THE DEPARTMENT OF OCEANOGRAPHY**—The Registrar, The University, Liverpool (June 3).

**FOOD INDUSTRY RESEARCH STUDENTSHIP**—The Secretary, Queen's University, Belfast (June 21).

**PROFESSOR OF ORGANIC CHEMISTRY** in the University of Melbourne—The Secretary, Association of Universities of the British Commonwealth, 5 Gordon Square, London, W.C.1 (June 30).

**RESEARCH STUDENTSHIPS IN SCIENCE**—The Registrar, The University, Manchester 13 (July 1).

**ASSISTANT (Grade A) FOR MATHEMATICS**, and an **ASSISTANT (Grade A) FOR PHYSICS**—The Principal, Technical College, Queen Street South, Huddersfield.

**ASSISTANT PROFESSOR IN ELECTRICAL ENGINEERING** (qualified to teach courses in servomechanisms and industrial electronics, and to supervise the laboratories in these subjects)—Prof. G. F. Tracey, Electrical Building, University of Toronto, Toronto 5, Ont., Canada.

**CHEMIST** in the East African Hides, Tanning and Allied Industries Bureau, East Africa—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting Ref. 27106/56/52.

**COMPUTERS IN THE SURVEY DEPARTMENT** in Tanganyika, to undertake computation of geodetic, astronomical and cadastral surveys and preservation of records—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting Ref. 27076/41.

**CONSERVATOR OF FORESTS** (with a University degree in forestry and considerable practical experience), Windward Islands—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27044/74.

**DEPUTY DIRECTOR OF AGRICULTURE** under the Government of Tripolitania, to be responsible for the administration of the Agriculture Department, including staff, finance, experimental farms, livestock, forestry, and liaison with U.N.O. and Fourth Point personnel—The Ministry of Labour and National Service, Technical and Scientific Register (A.S.12), Almack House, 26 King Street, London, S.W.1, quoting A.12/82/52.

**ENGINEER, Post Office Telecommunications Department**, British Guiana—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27323/35.

**ENGINEER** to run a Ministry of Supply machine shop (in the Southern Counties) working to very close limits on highest quality prototype development projects—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting C.215/52A.

**ENTOMOLOGIST** to conduct the first full-scale research to be undertaken in the Northern Territories of the Gold Coast into entomological factors associated with onchocerciasis and other insect-borne eye diseases—The Secretary, British Empire Society for the Blind, 53 Victoria Street, London, S.W.1.

**EXECUTIVE ENGINEER**, Electrical and Mechanical Division, Public Works Department, British Guiana—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27324/11.

**EXPERIMENTAL OFFICERS** at R.A.F. Signals Experimental Establishments in Bedfordshire and near London: **SENIOR EXPERIMENTAL OFFICER** (Ref. D.17/52A) for the development of calibration procedure for radio test equipment and preparation of calibration publications, etc.; an **EXPERIMENTAL OFFICER** (Ref. D.18/52A) and **ASSISTANT EXPERIMENTAL OFFICERS** (Ref. D.19/52A) for the calibration of standards (a) involving frequency and pulse measurements and maintenance of the frequency standard, (b) involving bridge and miscellaneous measurements, and (c) involving output and attenuation measurements; an **EXPERIMENTAL OFFICER** (Ref. D.6/52A) for the reconstruction of a radar landing aid and organization of associated experimental investigation, etc.—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting the appropriate Ref. No.

**FIELD ZOOLOGIST** in Kenya, to undertake survey work of tsetse distribution, to make ecological studies of tsetse control and to take part in the general advisory work of the Veterinary Department—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting Ref. 27666/12.

**MECHANICAL ENGINEERS IN THE PUBLIC WORKS DEPARTMENT**, Sudan—The Sudan Agent in London, Wellington House, Buckingham Gate, London, S.W.1, endorsed 'M/E Engineer 1813'.

**MECHANICAL SUPERINTENDENT IN THE DEPARTMENT OF RURAL WATER DEVELOPMENT**, Gold Coast—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting Ref. 27325/36.

**OBSERVER** (with at least second-class honours degree of a Commonwealth university in geology, or in physics with some knowledge of geology, and at least two years postgraduate training or approved experience in scientific research) to take charge of Seismological Recording Stations to be set up in Windward and Leeward Islands—The Under-Secretary of State, Research Department, Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1.

**PLANT BREEDER** (with a good honours degree in botany, with at least two years postgraduate training or experience in plant breeding) in the Colonial Agricultural Service, Kenya, to assist in work connected with wheat and maize breeding—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting No. 27659/13.

**PRINCIPAL SCIENTIFIC OFFICERS** (electronic engineers or physicists) in the Royal Naval Scientific Service, in the London area and Gloucestershire—The Ministry of Labour and National Service, Technical and Scientific Register (K), Almack House, 26 King Street, London, S.W.1, quoting A.121/52A.

**TECHNICAL ASSISTANT** (with a degree in science, technology or engineering of a British university, or an equivalent diploma or national certificate; a knowledge of chemistry at least equivalent to general degree standard is essential), Uganda Mineral Resources (Research) Committee—The Director of Recruitment (Colonial Service), Colonial Office, Sanctuary Buildings, Great Smith Street, London, S.W.1, quoting Ref. 27079/62/52.

## REPORTS and other PUBLICATIONS

(not included in the Monthly Books Supplement)

### Great Britain and Ireland

Department of Scientific and Industrial Research: Radio Research Special Report No. 22: The Siting of Direction Finding Stations. By W. Ross and F. Horner. Pp. iv+38. (London: H.M. Stationery Office, 1952.) 1s. 6d. net. [142]

Proceedings of the Royal Irish Academy. Vol. 54, Section A, No. 18: Low Frequency Disturbances in Gaseous Conductors. By E. B. Armstrong, K. G. Emeleus and T. R. Neill. Pp. 291-310+plate 3. 2s. 6d. Vol. 54, Section A, No. 19: A Study of the Profile of the Hydrogen H $\alpha$  Line in the Spectra of Solar Prominences. By Mary T. Conway. Pp. 311-320. 1s. Vol. 54, Section A, No. 20: Observations of Stellar Scintillation. By H. E. Butler. Pp. 321-340+plates 4-13. 6s. Vol. 54, Section A, No. 21: Triangulation in the Hypercircle Method for Plane Problems. By J. L. Synge. Pp. 341-368. 4s. 6d. (Dublin: Hodges, Figgis and Co., 1951-1952.) [142]

Proceedings of the Royal Irish Academy. Vol. 54, Section B, No. 6: An Algal Survey of Lough Foyle, North Ireland. By Helen Blackler. Pp. 97-140+plates 4-6. 5s. Vol. 54, Section B, No. 7: The Old Red Sandstone of the Inch and Annascaul District, Co. Kerry. By J. G. Caperwell. Pp. 141-168+plates 7-8. 3s. 6d. Vol. 54, Section B, No. 8: Movements of Salmon around Ireland. By Arthur E. J. Went. Pp. 169-262. 7s. 6d. (Dublin: Hodges, Figgis and Co., 1951.) [142]

Memoirs of the Geological Survey: England and Wales. The Concealed Coalfield of Yorkshire and Nottinghamshire. By W. Edwards. Third edition. Pp. x+285+5 plates. (London: H.M. Stationery Office, 1951.) 22s. 6d. net. [142]

National Museum of Wales. Forty-fourth Annual Report, 1950-51. Pp. 58+3 plates. (Cardiff: National Museum of Wales, 1951.) [142]

Journal of Scientific Instruments. Editor: Dr. H. R. Lang. Vol. 28 and Supplement No. 1, 1951. Pp. xvi+388+iii+80. (London: Institute of Physics, 1951.) [212]

British Journal of Applied Physics. Editor: Dr. H. R. Lang. Vol. 2 and Supplement No. 1, 1951. Pp. v+370+viii+96+vi. (London: Institute of Physics, 1951.) [212]

### Other Countries

Deutsche Akademie der Wissenschaften zu Berlin. Veröffentlichungen des Geodätischen Institutes in Potsdam. Nr. 1: Fehlertheorie und Ausgleichung von Rautenketten in der Nadirtriangulation. Von Karl Reicheneder. Pp. viii+98. 11 D. marks. Nr. 2: Der 24m-Interferenzkomparator des Geodätischen Institutes in Potsdam. Von F. Mühlig. Pp. iv+50+1 plate. 7 D. marks. Nr. 3: Ergebnisse der Pendelmessungen der Jahre 1934 bis 1943. Zusammengefasst von K. Welken. Pp. 32. 9 D. marks. Nr. 4: i. Die vollständige Bestimmung örtlicher gravimetrischer Störungsfelder aus Drehwagemessungen mit Berechnungsbeispiel (Messstischblatt Weddingstedt I. Holstein). ii. Das physikalische Bildungsgesetz der Figur der Erde (Theorie der normalen Erdgestalt). Von Hans Haalok. Pp. vi+53. 13 D. marks. Nr. 5: Geometrischanschauliche Auflösung linearer mit Nullkoeffizienten ausgestatteter Gleichungssysteme. Von Konrad Friedrich und Werner Jenne. Pp. viii+68. 6 D. marks. Nr. 6: Nadirketten mit Streckenmessung (Aeropoligonierung). Von Karl Reicheneder. Pp. v+41. 4 D. marks. (Berlin: Akademie-Verlag, 1949-1951.) [62]

Smithsonian Miscellaneous Collections. Vol. 117, No. 3: Relationships of certain Genera of Fungus Gnats of the Family Mycetophilidae. By P. R. Shaw and M. M. Shaw. (Publication 4053.) Pp. ii+24. (Washington, D.C.: Smithsonian Institution, 1951.) [132]

Smithsonian Institution: Bureau of American Ethnology. Bulletin 149: Symposium on Local Diversity in Iroquois Culture. Edited by William N. Fenton. Pp. v+187. (Washington, D.C.: Government Printing Office, 1951.) 75 cents. [132]

Dominion Astrophysical Observatory, Victoria, B.C.: a Brief Non-Technical Account of the Observatory and its Work. Pp. 34. (Ottawa: King's Printer, 1951.) [132]

Contributions from the Dominion Astrophysical Observatory. No. 23: An Estimate of the Relative Helium Content of the Early-Type Stars. By Anne B. Underhill. Pp. 445-458. (Ottawa: King's Printer, 1951.) [132]