

a continuation of the Andean folds of Graham Land. Incidentally also later flights supplemented Rymill's charting of Alexander I Island by adding the southern coast-line. This was determined in flights from the east base. Another of these flights mapped the western end of King George the Sixth Sound, which was also examined by one of the numerous sledge expeditions from the same base.

Some new facts in regard to the Ross Barrier seem to have been discovered. A flight from the base to lat.  $81^{\circ} 8' S.$ , long.  $176^{\circ} 15' W.$  showed wide fractures in three places, not yet specified, which suggests that the ice was aground. A large snow-covered island, about thirty miles long, was noted south-east of Roosevelt Island, in approximately lat.  $81^{\circ} S.$ , long.  $158^{\circ} W.$  This, of course, would mark a land area overlain by the shelf-ice of the Barrier.

A flight was made along the northern face of the Queen Maud Range from Mount Hope near the Beardmore Glacier to long.  $147^{\circ} W.$  In long.  $175^{\circ} W.$  a mighty glacier nearly as large as the Beardmore Glacier was noted.

Perhaps, however, the most important result of all was achieved from the east base in a flight southward and then south-eastward across the Eternity Range of southern Graham Land to the missing western coast of the Weddell Sea. This coast has proved unapproachable by sea. Larsen, Bruce Filchner and Shackleton each were foiled by heavy packs in attempts to penetrate the western part of the Weddell Sea and between lat.  $71^{\circ} S.$  and the Weddell or Filchner Barrier in lat.  $77^{\circ}$  to  $78^{\circ} S.$  nothing was known. The Eternity Range was photographed and followed southward to lat.  $74^{\circ} 37' S.$ , long.  $61^{\circ} 15' W.$  Beyond this as far as lat.  $77^{\circ} S.$  a south trending coastal range was visible with summits of apparently decreasing altitude. These discoveries suggest that the Weddell Sea may be wider at its southern end than had been believed. From both the west and east bases further work was done by plane and sledge, and extensive photographic surveys were made especially in Marie Byrd Land. Other aspects of the work of this highly successful expedition are not available. The article in the *Geographical Review* includes a preliminary small-scale map.

## APPOINTMENTS VACANT

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

**DIRECTOR OF EDUCATION**—The Town Clerk, Belfast (endorsed 'Director of Education') (October 3).

**SPEECH THERAPIST**—The Director of Education, Leopold Street, Sheffield (October 6).

**ASSISTANT LECTURER IN MECHANICAL ENGINEERING**—The Registrar, University College, Nottingham (October 6).

**DEMONSTRATOR IN ZOOLOGY**—Acting Head of the Department of Zoology, the University, Edgbaston, Birmingham 15 (October 7).

**LECTURER IN ELECTRICAL ENGINEERING SUBJECTS**—The Director of Education, City Hall, Cardiff (October 8).

**INSPECTOR OF SCHOOLS (WOMAN)**—The Director of Education, Guildhall, Hull (October 18).

**HEAD OF PHYSIOLOGY DEPARTMENT**—The Secretary, The Rowett Research Institute, Bucksburn, Aberdeenshire (October 31).

**LECTURER WITH QUALIFICATIONS IN MATHEMATICS, PHYSICS OR ENGINEERING**—The Principal, Technical College, Kendrick Hall, Stroud, Glos.

**DEMONSTRATOR FOR THE BIOLOGY DEPARTMENT**—The Secretary, King's College of Household and Social Science (University of London), c/o University College, Leicester.

**SENIOR MATHEMATICAL MASTER**—The Principal, King William's College, Isle of Man.

**ASSISTANT ELECTRICAL ENGINEER** for the Federated Malay States Government Electrical Department—The Crown Agents for the Colonies, 4 Millbank, London, S.W.1 (quoting M/9769).

## REPORTS AND OTHER PUBLICATIONS

(not included in the monthly Books Supplement)

### Great Britain and Ireland

Imperial Institute: Plant and Animal Products Department. War-Time Drug Supplies and Empire Production. By Dr. M. Ashby. Pp. 39. (London: Imperial Institute.) 1s. net. [99]

### Other Countries

Bericht über das Geobotanische Forschungsinstitut Rübel in Zürich für das Jahr 1940. Von E. Rübel und W. Lüdi. Pp. 84. (Zürich: Geobotanische Forschungsinstitut Rübel.) [29]

Proceedings of the American Philosophical Society. Vol. 84, No. 4: Symposium on Recent Advances in Psychology; Papers read before the American Philosophical Society Annual General Meeting, April 25, 1941. Pp. iii+461-564. (Philadelphia: American Philosophical Society.) 75 cents. [29]

U.S. Department of the Interior: Geological Survey. Water-Supply Paper 872: Surface Water Supply of the United States, 1939. Part 2: South Atlantic Slope and Eastern Gulf of Mexico Basins. Pp. ix+388+1 plate. 40 cents. Water-Supply Paper 874: Surface Water Supply of the United States, 1939. Part 4: St. Lawrence River Basin. Pp. vi+213+1 plate. 30 cents. Water-Supply Paper 876: Surface Water Supply of the United States, 1939. Part 6: Missouri River Basin. Pp. xi+506+1 plate. 65 cents. Water-Supply Paper 877: Surface Water Supply of the United States, 1939. Part 7: Lower Mississippi River Basin. Pp. vii+379+1 plate. 45 cents. Water-Supply Paper 878: Surface Water Supply of the United States, 1939. Part 8: Western Gulf of Mexico Basins. Pp. ix+393+1 plate. 40 cents. (Washington, D.C.: Government Printing Office.) [29]

Ceylon. Part 4: Education, Science and Art (F). Administration Report of the Director of the Colombo Museum for 1940. By P. E. P. Deraniyagala. Pp. F4. (Colombo: Government Record Office.) 10 cents. [29]

The Bankruptcy of this Scientific Age. With an Appendix: A Critical Study of the Classical Theory of Evolution. By Prof. Alfred F. Barker. Pp. iii+60. (Melbourne: John Savage and Sons Pty., Ltd.) [39]

Indian Central Jute Committee. Economic Research Bulletin No. 1: World Consumption of Jute, 1938-39 and 1939-40. Pp. 17. (Calcutta: Indian Central Jute Committee.) 1 rupee; 1s. 6d. [39]

Records of the Geological Survey of India. Vol. 75, Professional Paper No. 10: The Action of Solvents on Two Indian Coals. By R. K. Dutta Roy. Pp. 18. (Calcutta: Geological Survey of India.) 5 annas; 6d. [39]

Bulletin of the Auckland Institute and Museum. No. 1: The Moa, a Study of the Dinornithiformes. By Gilbert Archey. Pp. 145 (15 plates). (Auckland: Auckland Institute and Museum.) [39]

Veröffentlichungen des Geobotanischen Institutes Rübel in Zürich. Heft 17: Stratigraphie und Waldgeschichte des Wauwilermooses und ihre Verknüpfung mit den vorgeschichtlichen Siedlungen. Von H. Härrli. Pp. 104. 7.50 Schw. francs. Heft 18: Die Klimaverhältnisse des Albisgebietes. Von Werner Lüdi und Balthasar Stüssli. Pp. 69. 4.20 Schw. francs. (Bern: Hans Huber.) [99]

Nigeria. Annual Report on the Forest Administration of Nigeria for the Year 1940. Pp. 16. (Lagos: Government Printer; London: Crown Agents for the Colonies.) 1s. [99]

Field Museum of Natural History. Report Series, Vol. 12, No. 2: Annual Report of the Director to the Board of Trustees for the Year 1940. (Publication 497.) Pp. 177-330+plates 13-22. (Chicago: Field Museum of Natural History.) [99]

Science Reports of the Tokyo Bunrika Daigaku, Section B. Nos. 70-71: On the *Dacrymyces*-Group (Fungorum Ordinis Tremallium Studia Monographica, III), by Yosio Kobayasi; Über die Wirkung des Saponins auf die *Spirogyra*-Zellen, von G. Yamaba und Z. Araki. Pp. 105-138+3 plates. 60 sen. No. 74: On the Genera *Femsonia*, *Guepinia* and *Calocera* from Japan (Fungorum Ordinis Tremallium Studia Monographica, IV), by Y. Kobayasi. Pp. 215-228+2 plates. 35 sen. No. 76: Studies on Japanese Aquatic Fungi, 2: The Blastocladiaceae. By H. Indoh. Pp. 237-284. 80 sen. Nos. 79-80: Physiological Studies on Laminarin and Mannitol of Brown Algae, 2: The Seasonal Variation of their Content in *Eisenia bicyclis*, by K. Nisizawa; Physiological Studies on Laminarin and Mannitol of Brown Algae, 3: Variation of their Content in *Eisenia bicyclis* through various Stages of Growth, by K. Nisizawa. Pp. 9-20. 20 sen. No. 84: The Genus *Cordyceps* and its Allies. By Y. Kobayasi. Pp. 53-280. 3.20 yen. (Tokyo: Tokyo Bunrika Daigaku.) [99]

Dominion Observatory Bulletin No. 8-61: Measurement of Earthquake Intensity. By R. C. Hayes. Pp. 201B-204B. (Wellington: Government Printer.) [99]

Paleontologia Sinica. New Series D, No. 5 (Whole Series No. 116): The Extremity Bones of *Sinanthropus pekinensis*. By Prof. Franz Weidenreich. Pp. iii+150+34 plates. (Peking: Geological Survey of China.) [99]

### Editorial and Publishing Offices

MACMILLAN & CO., LTD.,

ST. MARTIN'S STREET, LONDON, W.C.2.

Telephone: Whitehall 8831 Telegraphic Address: Phusis Lesquare London

Advertisements should be addressed to

T. G. Scott & Son, Ltd., Three Gables, London Road, Merstham, Surrey  
Telephone: Merstham 316

The annual subscription rate is £4 10 0, payable in advance, Inland or Abroad  
All rights reserved. Registered as a Newspaper at the General Post Office