

Marking not only indicates the length of migration, but also the speed, and the longer the migration the faster appears to be the speed, especially with Norwegian records, one of which was recovered 680 miles away in a little more than ten days, a speed of 62 miles per day. Adult salmon in the sea travel at a minimum rate of between ten and twenty-five miles a day.

Mr. Menzies suggested that the cause of the very poor salmon season of 1945 in Britain probably lay in feeding conditions at sea, not in fresh-water rivers, because in Iceland, Norway and Canada this was also a bad season. When swimming near the coast, salmon travel within 7 ft. of the surface; but although herring and sand-eels have been found in them, very little is known of their diet in the sea, and those caught near the shore were almost invariably empty.

## FORTHCOMING EVENTS

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

**Monday, July 7—Wednesday, July 9**

UNIVERSITY OF BRISTOL (at the H. H. Wills Physical Laboratory, Royal Fort, Bristol), at 9.30 a.m. and 2.45 p.m. each day.—Conference on "The Strength of Solids".

**Monday, July 7—Thursday, July 10**

ROYAL SOCIETY, GASSIOT SUB-COMMITTEE B (at Burlington House, Piccadilly, London, W.1).—Conference on the "Emission Spectra of the Night Sky and Auroræ".

**Monday, July 7**

At 11 a.m.—Prof. S. Chapman, F.R.S.: Opening Address.

**Monday, July 7—Saturday, July 12**

CHEMICAL SOCIETY, SOCIETY OF CHEMICAL INDUSTRY and ROYAL INSTITUTE OF CHEMISTRY, EDINBURGH and EAST OF SCOTLAND SECTIONS (at The University, St. Andrews).—Symposium on "Coal, Petroleum and their Newer Derivatives".

**Tuesday, July 8**

UNIVERSITY OF LONDON (at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1), at 5.15 p.m.—Dr. D. Rittenberg (Columbia University): "The Application of the Isotope Technique to some Biochemical Problems".\*

**Wednesday, July 9—Saturday, July 12**

SOCIETY FOR APPLIED BACTERIOLOGY (at Reading).—Annual General Meeting and Paper Reading Conference.

**Wednesday, July 9**

At 8 p.m. (at St. Andrews Hall).—Annual General Meeting.

**Thursday, July 10**

At 10 a.m. (in the Zoology Lecture Theatre).—Symposium on "Water Bacteriology"; at 2.15 p.m.—Paper Reading Conference.

**Friday, July 11**

At 10 a.m.—Paper Reading Conference.

**Thursday, July 10—Saturday, July 12**

INSTITUTE OF PHYSICS, MANCHESTER and DISTRICT BRANCH (in the Physics Department, The University, Manchester).—Conference on "Applications of Radioactive Tracer Elements in Physics Research and Industry".

## APPOINTMENTS VACANT

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

LECTURER IN TEXTILE TECHNOLOGY, and a LECTURER IN MATHEMATICS—The Registrar, College of Technology and Commerce, The Newark, Leicester (July 12).

SENIOR ASSISTANT (with a good Honours degree) IN THE DEPARTMENT OF CHEMISTRY, a LECTURER IN PHARMACY, a LECTURER (with a good Honours degree or its equivalent) IN MATHEMATICS, SENIOR ASSISTANTS (3) IN (a) DESIGN SECTION, (b) PRODUCTION ENGINEERING SECTION, (c) FOR RESEARCH AND EXPERIMENTAL WORK, and LECTURERS (2) FOR (a) DESIGN SECTION, (b) PRODUCTION ENGINEERING SECTION, in the Department of Mechanical Engineering, LECTURERS (2) IN ELECTRICAL ENGINEERING up to Higher National Certificate standard, and LECTURERS (2) IN (a) CARPENTRY and JOINERY, (b) PLUMBING and SANITARY ENGINEERING, in the Department of Building and Structural Engineering—The Principal, Central Technical College, Suffolk Street, Birmingham 1 (July 12).

LECTURER IN ZOOLOGY and CHEMISTRY—The Registrar, Merchant Venturers' Technical College, Bristol (July 12).

LECTURER IN PHYSICS—The Clerk to the Governing Body, Batterssea Polytechnic, Batterssea, London, S.W.11 (July 12).

LECTURER IN CHEMISTRY—The Clerk to the Governors, South-East Essex Technical College, Longbridge Road, Dagenham (July 14).

LECTURER IN MATHEMATICS in the United College—The Secretary, The University, St. Andrews (July 15).

LECTURER IN GEOLOGY (Petrology and Mineralogy) in University College, Dundee—The Secretary, The University, St. Andrews (July 15).

LECTURER IN ZOOLOGY to take charge of the Gatty Marine Laboratory—The Secretary, The University, St. Andrews (July 15).

LECTURER IN PHYSICS, and a LECTURER IN CIVIL AND MECHANICAL ENGINEERING—The Clerk to the Governors, Woolwich Polytechnic, Woolwich, London, S.E.18 (July 19).

LECTURER, and an ASSISTANT LECTURER, IN PHYSICS—The Secretary, King's College, Strand, London, W.C.2 (July 21).

ADVISER IN AGRICULTURAL ECONOMICS, a SENIOR AGRICULTURAL ECONOMIST, and an ASSISTANT AGRICULTURAL ECONOMIST—The Registrar, The University, Manchester 13 (July 26).

LECTURER IN THE TECHNICAL DEPARTMENT, for City and Guilds Telecommunications up to Grade 5—The Technical Officer, University College, Southampton (July 26).

LECTURER (Grade II) or ASSISTANT LECTURER (Grade III) IN PHYSICS—The Registrar, University College, Southampton (July 26).

LECTURER IN PHILOSOPHY in the University of the Witwatersrand, Johannesburg—The Secretary, Universities Bureau of the British Empire, 8 Park Street, London, W.1 (July 30).

DAIRY OFFICER IN THE DEPARTMENT OF AGRICULTURE AND LANDS, Southern Rhodesia—The Secretary, Office of the High Commissioner for Southern Rhodesia, Rhodesia House, 429 Strand, London, W.C.2 (July 31).

STATISTICIAN in the office of the Town Clerk—The Town Clerk, Town Clerk's Office, Room 30B, Council House, Birmingham 1, endorsed 'Central Statistical Officer' (July 31).

ZOOLOGISTS (4) with special experience of taxonomic work on (a) mammals, (b) fishes, (c) arachnida, and (d) mollusca, and ENTOMOLOGISTS (4) with special experience of taxonomic work, at the British Museum (Natural History)—The Secretary, Civil Service Commission, 6 Burlington Gardens, London, W.1, quoting No. 1936 (July 31).

UNIVERSITY LECTURER IN PHYSICS—The Secretary of the Appointments Committee, Faculty of Physics and Chemistry, Chemical Laboratory, Pembroke Street, Cambridge (July 31).

LECTURER IN PATHOLOGY—The Registrar, The University, Sheffield (July 31).

DIRECTOR OF RESEARCH for the development of Rheumatism Treatment and Research, and a RESEARCH FELLOW IN THE SURGERY OF RHEUMATISM—The Registrar, The University, Leeds (July 31).

SOIL BIOCHEMIST, a PHYSICAL CHEMIST with experience in a colloid laboratory or used to X-ray technique, a PHYSICAL CHEMIST with experience in spectroscopic or polarographic techniques, a SOIL CHEMIST with general soil experience, and a SOIL CHEMIST with some training in botany as well as chemical experience, in the Soil Bureau, Wellington—The Office of the High Commissioner for New Zealand, 415 Strand, London, W.C.2 (August 1).

JUNIOR PHYSICO-CHEMIST for bacteriological and virus research work—The Secretary, Inoculation Department, St. Mary's Hospital, Paddington, London, W.2 (August 1).

ASSISTANT LECTURER IN THE DEPARTMENT OF EMBRYOLOGY—The Secretary, University College London, Gower Street, London, W.C.1 (August 1).

SENIOR RESEARCH OFFICERS (2), RESEARCH OFFICERS (12), ASSISTANT RESEARCH OFFICERS (6), and RESEARCH ASSISTANTS (7), in the Ministry of Town and Country Planning—The Secretary, Ministry of Town and Country Planning, 32 St. James's Square, London, S.W.1 (August 15).

STATISTICIAN—The Registrar, College of Aeronautics, Cranfield, Bletchley, Bucks.

GAME RANGER (with a science degree, preferably in zoology) in Tanganyika Territory—The Director of Recruitment (Colonial Service), Colonial Office, 15 Victoria Street, London, S.W.1.

RESEARCH SCUDENT IN SOIL SCIENCE—The Secretary, Macaulay Institute for Soil Research, Craigiebuckler, Aberdeen.

LIBRARIAN—The Assistant Secretary, Royal Anthropological Institute, 21 Bedford Square, London, W.C.1.

LECTURER (Grade III) IN THE DEPARTMENT OF CHEMISTRY—The Clerk, Birkbeck College, Breams Buildings, London, E.C.4.

RESEARCH CHEMIST—The Director, Motor Industry Research Association, Great West Road, Brentford, Middx.

DIRECTOR OF RESEARCH—The Chairman, British Welding Research Association, 29 Park Crescent, London, W.1, endorsed 'Director'.

RESEARCH ENGINEER for research on machinery used in the clay industry—The Director of Research, British Pottery Research Association, Queens Road, Penkhull, Stoke-on-Trent.

TECHNICIAN FOR BIOCHEMICAL DEPARTMENT—The Bursar, The University, Sheffield 10.

SENIOR ASSISTANT, and a LECTURER, IN THE DEPARTMENT OF ELECTRICAL ENGINEERING—The Clerk to the Governors, Woolwich Polytechnic, Woolwich, London, S.E.18.

LECTURER IN TELECOMMUNICATIONS, with specialist knowledge in Radio Engineering—The Principal, Wimbledon Technical College, Gladstone Road, London, S.W.19.

## REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

### Great Britain and Ireland

Gazetteer of Great Britain: giving the Position of Towns and Important Villages shown on Ordnance Survey Maps in terms of the National Grid. Pp. 54. (Chessington, Surrey: Ordnance Survey, 1946.) 5s. [231

Alkali &c. Works Regulation Act, 1906, and Alkali &c. Works Orders 1928-1939: Eighty-second Annual Report on Alkali &c. Works. By the Chief Inspectors. Proceedings during the Years 1939-1945 inclusive. Pp. 48. (London: H.M. Stationery Office, 1947.) 1s. net. [291