

Acad. Sci., B, 26, No. 3, 93; Sept. 1947). *S. cepivorum* grows best on an acid medium, whereas *S. tuliparum* favours neutral or slightly alkaline conditions. Both species have an optimum temperature of 20° C. Neither species is able to attack the host of the other; but *S. tuliparum* can infect several bulbous plants in addition to the tulip. Both species secrete pectinase, though there is evidence that each host type is more sensitive to the enzyme of its specific parasite than to that from the other.

A threefold chain of parasitism is described by S. Y. Padmanabhan (*Proc. Ind. Acad. Sci.*, B, 26, No. 3, 77; Sept. 1947), who found a species of *Fusarium* attacking pupae of *Epipyrops*, which in the larval stage is a parasite of *Pyrilla*, a pest of sugar-cane. The fungus is variable in culture, but is regarded as *F. moniliforme* var. *subglutinans*. Six new hosts of the ergot fungus *Claviceps* are given by T. S. Ramakrishnan (*Proc. Ind. Acad. Sci.*, B, 26, No. 4, 136; Oct. 1947), who also describes the fungus upon each. Miss H. Sunanda Kamath investigated the life-history of *Puccinia ruelliae* on *Ruellia prostrata*, a common perennial weed in south India. It was found to be a macro-cyclic, autoecious rust, and the sequence of development of all the spore forms was followed by inoculation experiments.

APPOINTMENTS VACANT

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

LECTURER IN BOTANY—The Registrar, The University, Nottingham (August 21).

DAVID BROWN SCHOLARSHIP IN AGRICULTURAL ENGINEERING—The Registrar, King's College, Newcastle-upon-Tyne (August 21).

PAINT AND VEGETABLE OIL CHEMIST (graduate) to take charge of research and to teach a small post-graduate class, and a GRADUATE TECHNOLOGIST to teach vegetable oil extracting and paint manufacturing processes, at the Instituto de Oleos, Rio de Janeiro—The Director, Personnel Department, British Council, 3 Hanover Street, London, W.1 (August 21).

PHYSIOLOGIST (male) with an Honours degree in Science, and a BACTERIOLOGIST with Honours degree, or an Honours Graduate in Science with experience in Bacteriology—The Secretary, Hannah Dairy Research Institute, Kirkhill, Ayr (August 21).

LECTURER (man or woman) IN AGRICULTURAL SCIENCES at the Cheshire School of Agriculture, Reaseheath—The Director of Education, County Education Offices, City Road, Chester (August 21).

FORD MOTOR COMPANY SCHOLARSHIPS IN AGRICULTURAL ENGINEERING—The Registrar, King's College, Newcastle-upon-Tyne (August 21).

LECTURER (Grade III) IN THE DEPARTMENT OF GEOGRAPHY (with special qualifications in Meteorology and/or Geomorphology)—The Clerk, Birkbeck College, Breams Buildings, London, E.C.4 (August 21).

DEMONSTRATOR OF PHYSICS—The Dean, Medical School, Guy's Hospital, London, S.E.1 (August 23).

SCIENTIFIC OFFICER (Zoologist, for work especially on plankton) at the Millport Laboratory—The Secretary, Scottish Marine Biological Association, 185 St. Vincent Street, Glasgow, C.2 (August 24).

LECTURER OR ASSISTANT LECTURER IN STRUCTURAL ENGINEERING—The Registrar, College of Technology, Manchester 1 (August 30).

ASSISTANT IN ZOOLOGY FOR RESEARCH IN ENTOMOLOGY, with minor teaching duties—The Secretary of University Court, The University, Glasgow (August 31).

AGRICULTURIST IN THE SOUTHERN RHODESIA GOVERNMENT SERVICE—The Office of the High Commissioner for Southern Rhodesia, 429 Strand, London, W.C.2 (August 31).

LECTURER IN CHEMISTRY with special qualification in physical chemistry—The Secretary, The University, Old College South Bridge, Edinburgh (September 1).

LECTURERS IN MATHEMATICS, and LECTURERS IN SCIENCE (physics, mechanical or electrical engineering, or chemistry), at the Royal Military Academy, Sandhurst—The Secretary, Civil Service Commission, Burlington Gardens, London, W.1, quoting No. 2254 (September 4).

LECTURER IN SOCIAL SCIENCE and Supervisor of Studies for the Diploma Course in Social Science—The Registrar, University College, Singleton Park, Swansea (September 11).

CARGILL CHAIR OF NATURAL PHILOSOPHY, tenable in the subject of Theoretical Physics—The Secretary of University Court, The University, Glasgow (September 11).

ASSISTANT INSPECTORS OF MINES AND QUARRIES under the Ministry of Fuel and Power—The Secretary, Civil Service Commission, Scientific Branch, 27 Grosvenor Square, London, W.1, quoting No. 2246 (September 11).

DIRECTOR OF MUSEUMS to take charge of the Museum Section of the Art Galleries and Museums Department—The Town Clerk, City Chambers, Glasgow, C.2 (September 15).

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

LECTURER IN GEOLOGY, within the Department of Agricultural Chemistry, and an ASSISTANT LECTURER IN PLANT DISEASES in the Department of Agricultural Botany—The Secretary and Registrar, University College of North Wales, Bangor (September 25).

SMITHSON RESEARCH FELLOWSHIP—The Assistant Secretary, Royal Society, Burlington House, Piccadilly, London, W.1 (October 30).

TUCKER-PRICE SCIENTIFIC RESEARCH FELLOWSHIP in mathematics, science or an allied subject—The Secretary, Girton College, Cambridge (January 15).

CHEMIST IN THE DEPARTMENT OF CHEMISTRY, Tanganyika—The Director of Recruitment (Colonial Service), Colonial Office, 2 Sanctuary Buildings, Great Smith Street, London, S.W.1.

UNIVERSITY GRADUATES and QUALIFIED TEACHERS, with qualifications in mathematics, science, engineering, or in geography with mathematics up to intermediate degree standard, for Short Service Commissions in the Education Service, Royal Navy—The Director (P), Education Department, Admiralty, London, S.W.1.

LECTURER IN MATHEMATICS to B.Sc. standard, a LECTURER IN CHEMISTRY to B.Sc. standard, and a LECTURER IN PHYSICS to B.Sc. (Special) standard—The Clerk, Northern Polytechnic, Holloway, London, N.7.

TECHNICIAN FOR THE DEPARTMENT OF ZOOLOGY—The Clerk, Birkbeck College, Breams Buildings, London, E.C.4.

LABORATORY TECHNICIAN (bacteriological technique essential) IN THE PATHOLOGY DEPARTMENT—The Secretary, Welsh National School of Medicine, 10 The Parade, Cardiff.

SOIL SURVEY OFFICER—The Secretary, Rothamsted Experimental Station Harpenden, Herts.

RESEARCH METALLURGIST, and a SENIOR ASSISTANT IN THE INFORMATION DEPARTMENT—The Secretary, British Non-Ferrous Metals Research Association, 81-91 Euston Street, London, N.W.1.

ASSISTANT TECHNICIAN for university laboratory involving botanical and chemical work—Dr. J. W. Fairbairn, School of Pharmacy, 17 Bloomsbury Square, London, W.C.1.

SCIENTIFIC ASSISTANT with a knowledge of electronics for work in X-Ray crystallography—Dr. W. A. Wooster, Cavendish Laboratory, Cambridge.

TECHNICAL OFFICER (with a degree or diploma in, and a sound practical knowledge of, horticulture)—The Curator, John Innes Horticultural Institution, 31 Mostyn Road, London, S.W.20.

VETERINARY RESEARCH OFFICERS (2) in the Sudan Veterinary Service, for supervising the preparation of various biological products and carrying out general research—The Sudan Agent in London, Wellington House, Buckingham Gate, London, S.W.1, endorsed 'Veterinary Research Officer'.

SCIENTIFIC OFFICER and EXPERIMENTAL OFFICER Grades in Ministry of Supply Research Establishments in the following fields of work: Chemistry—Inorganic, Organic, Physical, Analytical, and Chemical Engineering (Ref.F.355/48A); Biochemistry, Physiology, Pharmacology (Ref.F.184/48A); Aerodynamics—subsonic and supersonic in wind tunnels and in flight (Ref.A.160/48A); Aircraft Structural Theory (Ref.C.301/48A); Gas Turbines, jet and rocket propulsion at supersonic speeds (Ref.C.299/48A); Physics, including optics, gas kinetics and thermodynamics (Ref.A.159/48A); Radar (Ref.A.161/48A); Aircraft Instrumentation and electrical and radio accessories, etc. (Ref.C.300/48A); Metallurgy, X-Ray diffraction, electron microscopy, inter-crystalline corrosion, high temperature materials (Ref.F.356/48A); Mathematical Applications, including ballistics, statistics (Ref.A.158/48A)—The Technical and Scientific Register (K), York House, Kingsway, London, W.C.2.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

The Independent Research Institute. (Technical Bulletin No. 1.) Pp. 8. (Garston Manor, Watford: Garston Manor Research Institute, 1948.) 36

British Thunderstorms. Vol. 2: 1934-37, Part 3: 1936-37. Edited by S. Morris Bower. Pp. iv+97-144. (Huddersfield: Thunderstorm Census Organisation, 1947.) 5s. 36

Medical Research Council. Memorandum No. 18: Thyroid Enlargement and other Changes related to the Mineral Content of Drinking Water (with a Note on Goitre Prophylaxis). By Dr. Margaret M. Murray, Dr. J. A. Ryle, Dr. Beatrice W. Simpson and Dr. Dagmar C. Wilson. Pp. 40. (London: H.M. Stationery Office, 1948.) 9d. net. 36

Department of Scientific and Industrial Research. Report of the Geological Survey Board for the Year 1946. Pp. ii+10. (London: H.M. Stationery Office, 1948.) 4d. net. 36

Other Countries

Physiologia Plantarum. Scandinavian Journal covering all Branches of Plant Physiology. (Official Publication of the Scandinavian Society for Plant Physiology.) Quarterly. Vol. 1, Fasc. 1. Pp. 112. (Copenhagen: Binar Munksgaard, 1948.) 40 kroner a Year. 36

Feeding Problems in Man as related to Environment: an Analysis of United States and Canadian Army Ration Trials and Surveys 1941-1946. By Dr. Robert E. Johnson and Robert M. Kark. Pp. viii+94. (Chicago: U.S. Army Medical Nutrition Laboratory 1947.) 36

Catalogues

The New Universal Flamemaster Hand Torch. (Smethwick: Chance Brothers, Ltd.; London: W. Edwards and Co., Ltd., 1948.)

Catalogue of New Books on Chemistry and Chemical Industry Pp. 58. (London: H. K. Lewis and Co., Ltd., 1948.)

Sondes Place Research Institute. Pp. 16. (Dorking and London Mactaggart and Evans, Ltd., 1948.)