

the appearance of *Pythium mamillatum* in England. It produces a damping-off disease of cress, similar to that caused by *P. deBaryanum*. Elizabeth Blackwell gives details of the very complex life-history of *Phytophthora cactorum*, a species with pathogenicity upon such widely differing genera as *Cereus*, *Acer*, *Pyrus*, *Paeonia*, *Rheum*, *Fagus*, *Pinus* and others. The species is paragnous and homothallic, and considerable progress in control of this parasite should result from this careful analysis of the many stages of its life-cycle.

In the realm of bacterial plant pathogens, W. J. Dowson publishes a list of species, with synonyms, which should be included in the genera *Pseudomonas*, *Xanthomonas* and *Bacterium*. This should be useful as it is difficult for the general pathologist to follow all the changes in modern bacterial nomenclature.

FORTHCOMING EVENTS

Saturday, October 9

SHEFFIELD METALLURGICAL ASSOCIATION (joint meeting with the MICROCHEMICAL SECTION OF THE SOCIETY OF PUBLIC ANALYSTS and the SOUTH YORKSHIRE SECTION OF THE ROYAL INSTITUTE OF CHEMISTRY) (in the Department of Applied Science, The University, St. George's Square, Sheffield), at 2.30 p.m.—Symposium on "Microchemical Analysis".

Tuesday, October 12

SOCIETY OF CHEMICAL INDUSTRY (CHEMICAL ENGINEERING GROUP AND LONDON SECTION) and the INSTITUTION OF CHEMICAL ENGINEERS (at the Institution of Mechanical Engineers, Storey's Gate, St. James's Park, London, S.W.1), at 2.30 p.m.—The Rt. Hon. Lord McGowan: "The Future of the Chemical Industry".

ROYAL SOCIETY OF MEDICINE (at 1 Wimpole Street, London, W.1), at 5 p.m.—Dr. W. Norwood East: "The State, the Criminal and the Psychiatrist".

CHEMICAL SOCIETY (LEEDS AREA LOCAL SECTION) (in the Chemistry Lecture Theatre, The University, Leeds), at 6.30 p.m.—Dr. E. H. Farmer: "Autoxidation in Relation to Olefinic Structure".

Thursday, October 14

INSTITUTE OF FUEL (at the Connaught Rooms, Great Queen Street, London, W.C.2), at 2.30 p.m.—Dr. E. S. Grumell: Melchett Lecture.

Friday, October 15

PHYSICAL SOCIETY (at the Royal Institution, Albemarle Street, Piccadilly, London, W.1), at 4.30 p.m.—The Rt. Hon. Lord Rayleigh, F.R.S.: "Optical Topics, in part connected with Charles Parsons" (Eighth Parsons Memorial Lecture).

ROYAL SOCIETY OF MEDICINE (at 1 Wimpole Street, London, W.1), at 4.45 p.m.—Dr. N. S. Finzi: "Impending New Developments in Radiotherapy".

Saturday, October 16

INSTITUTE OF PHYSICS (X-RAY ANALYSIS GROUP) (joint meeting with the MANCHESTER AND DISTRICT BRANCH) (in the Physics Department, The University, Oxford Road, Manchester), at 2.30 p.m.—Sir Lawrence Bragg, F.R.S.: "The Physical Optics of X-Ray Analysis": Short Papers and Exhibition of Apparatus, etc., relating to Industrial Problems.

APPOINTMENTS VACANT

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

TEACHER OF CHEMISTRY for Junior Work in Technical Day School and Industrial and Intermediate B.Sc. Classes in the Technical College, and a TEACHER OF MATHEMATICS for Junior Work in Technical Day School and Technical and Intermediate B.Sc. Mathematics in the Technical College, and a TEACHER OF MECHANICAL ENGINEERING SUBJECTS up to Higher National Certificate standards, in the West Hartlepool Technical College—The Chief Education Officer, Education Offices, Park Road, West Hartlepool (October 14).

TEACHER OF MATHEMATICS AND PHYSICS in the Junior Technical School and Senior Part-time Classes in the Batley Technical College—The Director of Education, Education Offices, Batley, Yorks. (October 15).

ADVISORY OFFICER IN PLANT PATHOLOGY—The Secretary, West of Scotland Agricultural College, 6 Blythswood Square, Glasgow (October 15).

DIRECTOR OF ROBERT GORDON'S TECHNICAL COLLEGE—The Secretary, Robert Gordon's Technical College, Aberdeen (October 16).

BOROUGH ELECTRICAL ENGINEER—The Town Clerk, Council Offices, Kettering (October 22).

PROFESSOR OF ENGINEERING—The Registrar, University College, Singleton Park, Swansea (November 20).

LECTURER IN EDUCATIONAL PSYCHOLOGY AND TEACHING METHOD—The Principal, Gipsy Hill Training College for Teachers of Young Children, at Bankfield, Bingley, Yorks.

TECHNICAL ASSISTANT in a Government Department in London for work connected with the planning of production of X-Ray Equipment—The Ministry of Labour and National Service, Central (Technical and Scientific) Register, Section D.502, Alexandra House, Kingsway, London, W.C.2.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Medical Research Council: Industrial Health Research Board. Emergency Report No. 4: A Study of Absenteeism among Women. By Dr. S. Wyatt, R. Marriott and D. E. R. Hughes. Pp. 12. (London: H.M. Stationery Office.) 2d. net. [318]

Industrial Research: What it Means to British Industry. By Sir Harold Hartley. Pp. 16. (London: Federation of British Industries.) [29] City and Guilds of London Institute. Report of the Council to the Members of the Institute for the Year 1942. Pp. lviii. (London: Gresham College.) [39]

Proceedings of the Royal Irish Academy. Vol. 49, Section B, No. 9: Salmon of the River Shannon. By Arthur E. J. Went. Pp. 151-176. (Dublin: Hodges, Figgis and Co., Ltd.; London: Williams and Norgate, Ltd.) 1s. 6d. [39]

Annual Reports on the Progress of Chemistry for 1942. Vol. 39. Pp. xviii+257. (London: Chemical Society.) 15s. [69]

Henley Student Manual. Pp. 28. (London: W. T. Henley's Telegraph Works Co., Ltd.) [89]

British Association for the Advancement of Science: Committee on Post-War University Education. Report on University Entrance Scholarships in England and Wales. Pp. 8. (London: British Association.) 6d. [99]

Board of Education. The Youth Service After the War: a Report of the Youth Advisory Council appointed by the President of the Board of Education in 1942 to advise him in questions relating to the Youth Service in England. Pp. 32. (London: H.M. Stationery Office.) 6d. net. [169]

The White Paper on Educational Reconstruction and its Impact on Training for Mechanical Engineering. Pp. 8. (London: Institution of Mechanical Engineers.) [169]

Handbook of the Scientific Instrument Manufacturers' Association of Great Britain, Ltd. Pp. 48+53. (London: Scientific Instrument Manufacturers' Association of Great Britain, Ltd.) [209]

The Liverpool and Stoke-on-Trent Railway Hour Section and also Birmingham and Nottingham Hour Sections to speed up Railways in the Midlands. By J. F. Pownall. Pp. 12. (Birmingham: Cotterell and Co.) 1s. [209]

Ministry of Agriculture and Fisheries. Growmore Bulletin No. 9: Orchard Spraying for Commercial Growers. By J. Turnbull. Pp. 14+2 plates. (London: H.M. Stationery Office.) 4d. net. [219]

Other Countries

U.S. Department of the Interior: Geological Survey. Water-Supply Paper 873: Surface Water Supply of the United States, 1939. Part 3: Ohio River Basin. Pp. xi+578+1 plate. 65 cents. Water-Supply Paper 875: Surface Water Supply of the United States, 1939. Part 5: Hudson Bay and Upper Mississippi River Basins. Pp. xi+406+1 plate. 50 cents. Water-Supply Paper 880: Surface Water Supply of the United States, 1939. Part 10: The Great Basin. Pp. iv+160+2 plates. 25 cents. Water-Supply Paper 900: Surface Water Supply of the United States, 1940. Part 10: The Great Basin. Pp. iv+126+1 plate. 20 cents. Water-Supply Paper 901: Surface Water Supply of the United States, 1940. Part 11: Pacific Slope Basins in California. Pp. viii+378+2 plates. 50 cents. Water-Supply Paper 902: Surface Water Supply of the United States, 1940. Part 12: Pacific Slope Basins in Washington and Upper Columbia River Basin. Pp. v+210+1 plate. 30 cents. Water-Supply Paper 903: Surface Water Supply of the United States, 1940. Part 13: Snake River Basin. Pp. vi+246+1 plate. 35 cents. Water-Supply Paper 904: Surface Water Supply of the United States, 1940. Part 14: Pacific Slope Basins in Oregon and Lower Columbia River Basin. Pp. v+208+1 plate. 30 cents. Water-Supply Paper 910: Water Levels and Artesian Pressure in Observation Wells in the United States in 1940. Part 5: Northwestern States. By O. E. Meinzer, L. K. Wenzel, and others. Pp. iii+184. 25 cents. (Washington, D.C.: Government Printing Office.) [128]

War Department. Technical Manual TM. 10-420: Emergency Food Plants and Poisonous Plants of the Islands of the Pacific. By Dr. E. D. Merrill. Pp. v+149. (Washington, D.C.: Government Printing Office.) [178]

Archaeological Reconnaissance in Campeche, Quintana Roo, and Peten. By Karl Ruppert and John H. Denison, Jr. (Publication 543.) Pp. vii+230+75 plates. (Washington, D.C.: Carnegie Institution.) 4.25 dollars. [188]

Bulletin of the Bingham Oceanographic Collection, Peabody Museum of Natural History. Vol. 8, Art. 4: Physiological Aspects of Spring Diatom Flowerings. By Gordon A. Riley. Pp. 54. (New Haven, Conn.: Yale University.) [188]

Proceedings of the United States National Museum. Vol. 93, No. 3164: The Birds of Southern Veracruz, Mexico. By Alexander Wetmore. Pp. 215-340. (Washington, D.C.: Government Printing Office.) [238]