

## Forthcoming Events

[Meetings marked with an asterisk are open to the public.]

## Monday, May 15

ROYAL GEOGRAPHICAL SOCIETY, at 5.—Dr. E. B. Worthington: "Echo-Sounding of British Lakes".

## Tuesday, May 16

ST. MARY'S HOSPITAL, LONDON, W.2, at 5.—Dr. A. S. Parkes, F.R.S.: "The Hormones of the Anterior Pituitary Body".

EUGENICS SOCIETY (at Royal Society, Burlington House, W.1), at 5.15.—Prof. A. M. Carr-Saunders: "Some Problems of Population".\*

CHADWICK PUBLIC LECTURE (at the Royal Institute of British Architects, 66, Portland Place, W.1), at 5.30.—G. H. Henderson: "Comparative Study of the Housing of the Working Classes, with Special Reference to Scotland".\*

## Wednesday, May 17

ROYAL MICROSCOPICAL SOCIETY (at B.M.A. House), at 5.30.—F. C. Bawden: "Some Properties of Plant Viruses".

## Thursday, May 18

LONDON MATHEMATICAL SOCIETY (at the Royal Astronomical Society), at 5.—Prof. J. E. Lennard-Jones, F.R.S.: "Order and Disorder in Nature".

CHEMICAL SOCIETY (at the Institution of Mechanical Engineers), at 6.—Prof. C. N. Hinshelwood, F.R.S.: "Some Considerations on the Nature of Catalysis" (Liversidge Lecture).\*

## Friday, May 19

GEOPHYSICAL DISCUSSION (at the Royal Astronomical Society), at 4.30.—"The Night Sky and Aurora" to be opened by Prof. S. Chapman, F.R.S.

ROYAL INSTITUTION, at 9.—Prof. J. D. Cockcroft, F.R.S.: "New Phenomena in Liquid Helium".

## Appointments Vacant

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

ASSISTANT (grade I) for the Research and Technical Publications Section of the Air Ministry—The Under-Secretary of State, Air Ministry, Berkeley Square, London, W.1 (Ref. B 196, May 19).

CHIEF DESIGNER, ASSISTANT CHIEF DESIGNER AND ASSISTANT (grade II—chemical problems) at the Royal Aircraft Establishment, South Farnborough—The Chief Superintendent (May 19).

SENIOR LECTURER IN PHYSICS in the Bradford Technical College—The Principal (May 20).

ASSISTANT LECTURER AND DEMONSTRATOR IN GEOLOGY in University College, Cork—The Registrar (May 27).

CHEMIST in the Admiralty Chemical Pool—The Secretary of the Admiralty (C.E. Branch) (Ref. C.E. 5028/39, May 27).

ASSISTANT LECTURER IN ORGANIC CHEMISTRY in King's College, London—The Secretary (May 30).

LECTURER IN PHYSIOLOGY in King's College, London—The Secretary (May 30).

DEMONSTRATOR IN CHEMISTRY in King's College, London—The Secretary (June 1).

ASSISTANT LECTURER (OR LECTURER) IN PHYSICS in University College, Southampton—The Registrar (June 1).

ADVISER IN AGRICULTURAL CHEMISTRY AND HEAD OF THE DEPARTMENT OF AGRICULTURAL CHEMISTRY in University College, Aberystwyth—The Principal (June 5).

PROFESSOR OF CHEMISTRY in Natal University College, Pietermaritzburg—The Universities Bureau of the British Empire, 88A, Gower Street, London, W.C.1 (June 12).

SCIENTIFIC SUPERINTENDENT OF RESEARCH IN FOOT-AND-MOUTH DISEASE at the Experimental Research Station, Pirbright, Woking, Surrey—The Secretary, Foot-and-Mouth Disease Research Committee, Ministry of Agriculture and Fisheries, 10 Whitehall Place, London, S.W.1 (June 23).

ASSISTANT STATISTICIAN at Rothamsted Experimental Station, Harpenden—The Secretary.

## Reports and other Publications

(not included in the monthly Books Supplement)

## Great Britain and Ireland

Imperial Bureau of Plant Breeding and Genetics. Bibliography of Baking Quality Tests, Supplement. Pp. 32. 1s. 6d. The Action and Use of Colchicine in the Production of Polyploid Plants. By J. L. Fyfe. Pp. ii+10. 1s. (Cambridge: School of Agriculture.) [134]

Iron and Steel Institute. Special Report No. 24: Second Report of the Alloy Steels Research Committee. Pp. xx+390+22 plates. Special Report No. 25: Eighth Report on the Heterogeneity of Steel Ingots. Pp. xix+322+26 plates. (London: Iron and Steel Institute.) [134]

University of Sheffield. Report on Research Work carried out in the Departments of Mining and Fuel Technology during the Session 1937-38. Pp. 18. (Sheffield: The University.) [144]

## Other Countries

U.S. Department of Agriculture. Leaflet No. 175: Eradication of the Cultivated Black Currant in the White Pine Regions. By J. R. Martin. Pp. 8. (Washington, D.C.: Government Printing Office.) 5 cents. [114]

University of Washington Publications in Anthropology. Vol. 7, No. 3: Tsimshian Clan and Society. By Viola E. Garfield. Pp. 187-340+4 plates. (Seattle, Wash.: University of Washington.) [114]

Commonwealth of Australia: Department of Health. Recommendations for Protection against X-Rays, Radioactive Radiations and Ultra-violet Light. Pp. 17. (Canberra: Government Printer.) [114]

Ministry of Public Works, Egypt: Physical Department. The Nile Basin. By Dr. H. E. Hurst and Dr. P. Phillips. Vol. 5: The Hydrology of the Lake Plateau and Bahr El Jebel. (Physical Department Paper No. 35.) Pp. x+251+103 plates. (Cairo: Ministry of Finance.) P.T. 100; 20s. [124]

Publications of the Dominion Astrophysical Observatory. Vol. 7, No. 3: The Definitive Orbit of the Spectrographic Binary Beta Arietis. By R. M. Petrie. Pp. 105-114. Vol. 7, No. 4: The Spectrographic Orbit of H.D. 195986. By Andrew McKellar. Pp. 115-120. Vol. 7, No. 5: One Hundred and Thirty-two New Variable Stars in Five Globular Clusters. By Helen B. Sawyer. Pp. 121-132+3 plates. Vol. 7, No. 6: The Calculation of Rotation Factors for Eclipsing Binaries. By R. M. Petrie. Pp. 133-140. Vol. 7, No. 7: The Spectrographic Orbit of Boss 3511. By W. E. Harper. Pp. 141-148. (Victoria, B.C.: Dominion Astrophysical Observatory.) [134]

Proceedings of the U.S. National Museum. Vol. 86, No. 3053: The Cactus-Feeding Phycitinae, a Contribution toward a Revision of the American Pyralidoid Moths of the Family Phycitidae. By Carl Heinrich. Pp. 331-414+plates 23-51. (Washington, D.C.: Government Printing Office.) [134]

Smithsonian Miscellaneous Collections. Vol. 98, No. 5: Utilizing Heat from the Sun. By C. G. Abbot. (Publication 3530.) Pp. 12+2 plates. (Washington, D.C.: Smithsonian Institution.) [134]

The Rockefeller Foundation. A Review for 1938. By Raymond B. Fosdick. Pp. 72. (New York: Rockefeller Foundation.) [134]

U.S. Department of the Interior: Office of Education. Bulletin, 1937, No. 10: Economic Status of College Alumni. By Walter J. Greenleaf. Pp. x+207. (Washington, D.C.: Government Printing Office.) 25 cents. [134]

University of Illinois: Engineering Experiment Station. Bulletin No. 307: An Investigation of Rigid Frame Bridges. Part 1: Tests of Reinforced Concrete Knee Frames and Bakelite Models. By Prof. Frank E. Richart, Prof. Thomas J. Dolan and Tilford A. Olson. Pp. 46. 50 cents. Bulletin No. 308: An Investigation of Rigid Frame Bridges. Part 2: Laboratory Tests of Reinforced Concrete Rigid Frame Bridges. By Prof. Wilbur M. Wilson, Ralph W. Kluge and John V. Coombe. Pp. 76. 85 cents. Bulletin No. 309: The Effects of Errors or Variations in the Arbitrary Constants of Simultaneous Equations. By George H. Dell. Pp. 52. 60 cents. Bulletin 310: Fatigue Tests of Butt Welds in Structural Steel Plates. By Prof. Wilbur M. Wilson and Prof. Arthur B. Wilder. Pp. 56. 65 cents. Circular No. 36: A Survey of Sulphur Dioxide Pollution in Chicago and Vicinity. By Alamjit D. Singh. Pp. 32. 40 cents. (Urbana, Ill.: University of Illinois.) [134]

League of Nations: Child Welfare Information Centre. Summary of the Legislative and Administrative Series of Documents of the Child Welfare Information Centre published in 1938. (Official No.: C.72.M.33.1939.IV.) Pp. 58. (Geneva: League of Nations; London: George Allen and Unwin, Ltd.) 1s. [134]

Dominion of Canada. Report of the Department of Mines and Resources, including Report of the Soldier Settlement of Canada for the Fiscal Year ended March 31, 1938. Pp. 330. (Ottawa: King's Printer.) 50 cents. [134]

Magnetic Observations of Sunspots, 1917-1924. By George E. Hale and Seth B. Nicholson. (Publication No. 498.) (Papers of the Mount Wilson Observatory, Vol. 5, Parts 1 and 2.) Part 1. Pp. iii+91+8 plates. Part 2. Pp. ii+692. (Washington, D.C.: Carnegie Institution.) 10 dollars. [134]

Koninklijk Nederlandsch Meteorologisch Instituut. No. 106A: Ergebnisse Aerologischer Beobachtungen. 26, 1937. Pp. 42. 1.50 f. No. 108: Seismische Registrierungen in De Bilt, 24, 1936. Pp. viii+53. 0.80 f. ('s-Gravenhage: Rijksuitgeverij.) [134]

Smithsonian Institution: U.S. National Museum. Bulletin 172: Birds from Siam and the Malay Peninsula in the United States National Museum collected by Drs. Hugh M. Smith and William L. Abbott. By J. H. Riley. Pp. iv+582. (Washington, D.C.: Government Printing Office.) [144]