

W. HELLER and E. VASSY: Remarks on the action of alcohol on colloidal systems with hydrophile particles.

MME. R. DUVAL and C. DUVAL: A sodium cobalto-pyrophosphate.

E. GRILLOT: Neutral and basic lead monochloroethanoates.

E. CATTELAÏN: Some derivatives of β -[4-methoxyphenyl] methylpyruvic acid.

E. RAGUÏN: Age of the granitic rocks in the Pyrenees.

C. FRANCIS-BOEUF: Data on the transparency of the maritime Aulne at Trégarvan. Such measurements can be used to study the currents of this river.

J.-L. PERROT and M. PERROT: Chromosomes of the genus *Helix*. The chromosome number of this genus is 27, not 12 or 24 as has been reported by earlier investigators.

M.-L. ROCCO: Metabolism of compounds of purine origin in insects. Excretion of uric acid is not the general rule; the acid, as in vertebrates, is generally degraded by enzyme action to allantoin or allantoic acid.

MLE. C.-T. BAUDOY: Formation of ovokeratin in *Raja batis*.

L. BOUNOURE: Segregation of the germinal layers, and the general problem of embryonic segregation.

R. LECOQ and R. DUFFAU: Influence of conditions producing total avitaminosis B or mineral disequilibrium on the composition of the muscle of the pigeon.

RAYMOND-HAMET: Hypotensor and vasodilator effects of cryptolepine, an alkaloid extracted from *Cryptolepis sanguinolenta* Schlechter.

R. CHAUVIN: Reddening of the migratory cricket. The cricket and other acridians have beneath the skin a yellow compound which becomes red on reduction.

Vienna

Academy of Sciences, October 20.

E. SPÁTH: Peganin (vasicin) (13). A review of recent work on this alkaloid.

F. GALINOVSKY and H. BRETSCHNEIDER: Thermal decomposition of cholestenonpinacene.

HERTA SCHEICHENBERGER: Production of artificial radioactivity in europium, rubidium and caesium by irradiation with neutrons. In the case of europium, β -activities with half periods of 9.2 hours and 1.2 years were found. Rubidium gave β -activities with half periods of 18 minutes and 18 days, while caesium gave an activity with a half period of about a year. The percentages of these activities which are due to thermal neutrons were found.

A. SKRABAL: Rate of formation of chlorate in bleaching solution.

H. BENNDORF and E. RUMPF: Badly conducting surface layers on apparently clean metals, and their effect on the operation of sensitive electrometers. Instability of the zero of a string electrometer is ascribed to a badly conducting layer on the surface of the fibre, which can retain charges and has a variable contact potential to the other electrodes.

H. SEELMEIER: Occurrence of diabase on the Christophberg at Klagenfurt.

R. KNEBEL: Geological profile of the Kehr anticline (southern slope of the Pleschkogel at Graz).

Appointments Vacant

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

LECTURER IN MECHANICAL ENGINEERING in the Burnley Municipal Technical College—The Director of Education, Education Offices, Burnley (December 22).

CHEMIST in the Ordnance Factory, Irvine, Ayrshire—The Under-Secretary of State (C.5), The War Office, London, S.W.1 (Quote Appts. 112. December 23).

DIRECTOR OF WATER EXAMINATION to the Metropolitan Water Board—The Acting Clerk, Offices of the Board, 173, Rosebery Avenue, E.C.1 (December 31).

INSPECTOR OF AGRICULTURAL AND HORTICULTURAL EDUCATION AND RESEARCH, Ministry of Agriculture and Fisheries—The Secretary, 10 Whitehall Place, S.W.1 (December 31).

ASSISTANT TO THE ADVISORY CHEMIST, Department of Agriculture, University of Cambridge—The Secretary (January 7).

SECRETARY of the Institution of Electrical Engineers—The Chairman of the Selection Committee (February 1).

LECTURER IN GEOGRAPHY in the Portsmouth Municipal College—The Registrar.

PROFESSOR OF ZOOLOGY in the University of Reading—The Registrar.

Reports and other Publications

(not included in the monthly Books Supplement)

Great Britain and Ireland

Annals of the Cape Observatory, Vol. 14, Part 3: Stellar Parallaxes (2nd Series) determined in the Years 1928-1931 with the Victoria Telescope of the Royal Observatory, Cape of Good Hope, under the direction of Dr. H. Spencer Jones. Completed for publication under the direction of Dr. J. Jackson. Pp. xi+109. (London: H.M. Stationery Office.) 11s. net. [2211]

Tuberculosis in Cyprus: an Interim Report on its Incidence and Means of Control made under the auspices of the National Association for the Prevention of Tuberculosis. By Dr. Noel Dean Bardswell. Pp. vi+228. (London: Adlard and Son, Ltd.) 2s. 6d. [2211]

Tuberculosis, Cancer and Zinc: an Hypothesis. By Douglas Barron Cruickshank. Pp. xv+75. (Papworth: Sims Woodhead Memorial Laboratory.) [2211]

Board of Education: Science Museum. Science in the Army: a Brief Account of the Scientific Training and Technical Work of the Soldier To-day, as illustrated by a special War Office Exhibition held at the Science Museum, November 1938-February 1939. By Anthony Armstrong. Pp. 20+3 plates. (London: H.M. Stationery Office.) 6d. net. [2211]

Proceedings of the Royal Society of Edinburgh, Session 1937-1938. Vol. 58, Part 3, No. 16: Two Cases of Malformation of the Gill-covers in Salmon. By Dr. V. Tchernavin. Pp. 233-241+1 plate. 1s. Vol. 58, Part 3, No. 17: The Dynamics of Sheet Intrusion. By Dr. E. M. Anderson. Pp. 242-251. 1s. (Edinburgh: Robert Grant and Son, Ltd.; London: Williams and Norgate, Ltd.) [2211]

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1816 (2522): Full Scale Tests of the Airspeed Envoy Type A.S.6.G. By J. E. Serby, R. H. Francis and P. Fortescue. Pp. 10. 1s. 6d. net. No. 1825 (3361 and a): Diffusion of Load in certain Sheet-Stringer Combinations. By Dr. W. J. Duncan; with an Appendix by H. L. Cox. Pp. 15. 2s. 6d. net. No. 1827 (3366): The Use of the Principle of Minimum Potential Energy in Problems of Static Equilibrium. By D. Williams. Pp. 18. 2s. 6d. net. No. 1829 (3066): Measurements of Accelerations at Different Parts of a Boat Seaplane during Take-off and Landing. By G. C. Abel. Pp. 12. 2s. 6d. net. No. 1830 (2775): Stressed-skin Structures—Compression Tests of Panels with Tubular Stiffeners. By I. J. Gerard and Dr. B. G. Dickens. Pp. 28. 4s. net. (London: H.M. Stationery Office.) [2211]

Other Countries

India Meteorological Department. Scientific Notes, Vol. 7, No. 78: Temperatures and Humidities up to 3 kms. over Karachi. By P. R. Krishna Rao and K. L. Bhatia. Pp. 119-130+3 plates. (Delhi: Manager of Publications.) 9 annas; 10d. [2111]

Division of Fish and Game of California: Bureau of Marine Fisheries. Fish Bulletin No. 52: Historical Account of the Los Angeles Mackerel Fishery. By Richard S. Croker. Pp. 62. (Terminal Island: California State Fisheries Laboratory.) Free. [2111]

Conseil Permanent International pour l'Exploration de la Mer. Faune ichthyologique de l'Atlantique nord. Publiée sous la direction de Prof. Joubin. No. 18. 24 plates. (Copenhagen: Andr. Fred. Høst et fils.) 4.00 kr. [2211]

Ministry of Agriculture, Egypt: Technical and Scientific Service. Bulletin No. 183: The Control of Peach Mildew. By Dr. Amin Fikry. Pp. ii+14+7 plates. P.T.3. Bulletin No. 208: Two Genera and Species of Aphids new to Science. By Dr. Labib B. Soliman. Pp. ii+6+8 plates. P.T.5. (Cairo: Government Press.) [2211]

Scientia Naturalis Bibliographia. Ed.: W. Junk. Annus 2: 1938. Pars I. Pp. 80. (Den Haag: Dr. W. Junk.) 3 fl. (6s. 9d.) a year. [2211]

Tanganyika Territory: Department of Lands and Mines, Geological Division. Short Paper No. 20: The Geology of Parts of the Tabora, Kigoma and Ufipa Districts, North-West Lake Rukwa. By G. M. Stockley. Pp. 35. (Dar es Salaam: Government Printer.) 3s. [2211]