

author obtains for the stars of the spectral type M_0 , K_5 , G_5 , F_5 , A_5 , B_5 :

Giant stars: M_0 2200°, K_5 2900°, G_5 3800°, F_5 5600°, A_5 9200°.

Dwarf stars: M 4000°, K_5 4300°, G_5 6500°, F_5 8500°, A_5 11,500°, B_5 14,500°.

Official Publications Received.

BRITISH.

Department of Zoology, University College of Wales, Aberystwyth. Report on Marine and Fresh Water Investigations. (New Series 2, Years ending 30th June 1924, and 30th June 1925.) Pp. 76. (Aberystwyth, 5s.)

Southern Rhodesia. Report of the Director, Geological Survey, for the Year 1926. Pp. 11. (Salisbury: Government Printer.)
Proceedings of the Society for Psychical Research. Part 102, Vol. 36, June. Pp. 437-518. (London: Francis Edwards.) 4s. 6d. net.

Hull Museum Publications. No. 124: Wilberforce House, its History and Collections. By T. Sheppard. New edition. Pp. 88+30 plates. 1s. No. 148: Record of Additions. Edited by T. Sheppard. Pp. 18+5 plates. No. 149: Yorkshire Silver Tokens, etc., in the Hull Museum. By T. Sheppard. Pp. 32. (Hull.)

The Journal of the Central Bureau for Animal Husbandry and Dairying in India. Vol. 1, Part 1, April. Pp. vi+59+5 plates. (Calcutta: Government of India Central Publication Branch.) 10 annas.

Aeronautical Research Committee: Reports and Memoranda. No. 1065 (Ae. 247): Preliminary Experiments on Two-Dimensional Flow round Bodies moving through a Stationary Fluid. By Prof. B. McWilliam Jones, W. S. Farren and Flight-Lieut. C. E. W. Lockyer. (A.I.B. Photographic Work, etc. 11.—T. 2850.) Pp. 12+15 plates. (London: H.M. Stationery Office.) 1s. 8d. net.

Gypsy Lore Society Monographs. No. 4: The Position of Romani in Indo-Aryan. By Prof. R. L. Turner. Pp. 47. (London: Bernard Quaritch, Ltd.)

Transactions of the Royal Society of Edinburgh. Vol. 55, Part 2, No. 14: The Igneous and Metamorphic History of Cromar, Deeside, Aberdeenshire. By Dr. H. H. Read. Pp. 317-353. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.) 4s. 6d.

British Museum (Natural History). Picture Postcards. Set C20: British Game Birds, Series No. 2. 5 cards in colour. 1s. (London: British Museum (Natural History).)

Proceedings of the Geologists' Association. Edited by A. K. Wells. Vol. 38, Part 2, June 21st. Pp. 145-263. (London: Edward Stanford, Ltd.) 5s.

Diamond Jubilee of the Confederation of Canada: Sixty Years of Canadian Progress, 1867-1927. Pp. viii+168 (London: High Commissioner for Canada.) 10 cents.

FOREIGN.

Geofysiske Publikasjoner utgitt av det Norske Videnskaps-Akademi Oslo. Vol. 5, No. 2: Photogrammetrische Bestimmung der Höhe von irisierenden Wolken (Perlmutterwolken) am 30. Dezember 1926. Von Carl Störmer. Pp. 8+2 Tafeln. (Oslo: A. W. Brøgers Boktrykkeri A/S.) 1.50 kr.

Treasury Department: United States Coast Guard. Bulletin No. 15: International Ice Observation and Ice Patrol Service in the North Atlantic Ocean, Season of 1926. Pp. v+127. (Washington, D.C.: Government Printing Office.)

Report on Norwegian Fishery and Marine Investigations. Vol. 3, No. 8: The Production of Plankton in the Coastal Waters off Bergen, March-April 1922. By H. H. Gran. Pp. 74. (Bergen: A. S. John Griegs Boktrykkeri.)

Department of the Interior: Bureau of Education. Bulletin, 1927, No. 10: Educational Boards and Foundations, 1924-26. By Henry R. Evans. Pp. 12. (Washington, D.C.: Government Printing Office.) 5 cents.

Smithsonian Miscellaneous Collections. Vol. 78, No. 8: The Flora of Barro Colorado Island, Panama. By Paul G. Standley. (Publication 2914.) Pp. 32. (Washington, D.C.: Smithsonian Institution.)

Publikationer fra det Danske Meteorologiske Institut. Meddelelse, No. 7: Meteorological Problems. ii: The Energy of the Winds. By V. H. Ryd. Pp. v+96. (Kjøbenhavn: G. E. C. Gad.)

Stanford University Publications. University Series, Biological Sciences, Vol. 5, No. 1: Introduction to the Limnology of the Searsville Lake. By Dr. Flora Murray Scott. Pp. 38. (Stanford University, Calif.: Stanford University Press.) 1.50 dollars.

Contributions from the Dudley Herbarium of Stanford University. Vol. 1, No. 1: A Distributional Catalogue of the Lupines of Oregon. By Charles Piper Smith. Pp. 55. (Stanford University, Calif.: Stanford University Press.)

Bulletin of the Terrestrial Electric Observatory of Fernando Sanford, Palo Alto, California. Vol. 3: Summary of Observations on Earth Potential, Air-Potential Gradients, and Earth-Currents for the Year 1925. Pp. 24. (Palo Alto, Calif.)

Field Museum of Natural History. Anthropological Series, Vol. 17, No. 1: A Correlation of the Mayan and European Calendars. By J. Eric Thompson. (Publication 241.) Pp. 22. Zoological Series, Vol. 13: Catalogue of Birds of the Americas and the adjacent Islands in Field Museum of Natural History. Initiated by Charles B. Cory, continued by Charles E. Hellmayr. Part 5: Tyrannidae. (Publication 242.) Pp. vi+517. Anthropology, Memoirs, Vol. 2, No. 1: Archaeological Explorations in Peru. Part I: Ancient Pottery from Trujillo. By Prof. A. L. Kroeber. (First Captain Marshall Field Archaeological Expedition to Peru.) Pp. 48+13 plates. (Chicago, Ill.)

Iowa Geological Survey. Vol. 31. Annual Reports, 1923 and 1924, with accompanying Papers. Pp. 400. (Des Moines, Iowa.)

No. 3009, VOL. 120]

United States Department of Agriculture. Department Bulletin No. 1487: A Study in Hyperparasitism, with particular reference to the Parasites of *Apanteles melanoscelus* (Ratzeburg). By C. F. W. Muesebeck and S. M. Dohanian. Pp. 36. (Washington, D.C.: Government Printing Office.) 10 cents.

CATALOGUES.

Constable Books, 1927. (Summer edition.) Pp. 24. (London: Constable and Co., Ltd.)

Important Works on Natural History and Science, published prior to 1800. (Catalogue 150.) Pp. 44. (London: Dulau and Co., Ltd.)

Fine and Applied Arts, First editions, Modern Presses. (No. 437.) Pp. 20. (Cambridge: Bowes and Bowes.)

Diary of Societies.

SATURDAY, JULY 2.

INSTITUTION OF MUNICIPAL AND COUNTY ENGINEERS (North-Western District Meeting) (at Town Hall, St. Anne's on Sea), at 10.30 A.M.

PHYSIOLOGICAL SOCIETY (in Physiological Laboratory, Oxford), at 4.—F. Buchanan: A Method for recording the Action-Current of a Single Spot of Skeletal Muscle without injuring any other Spot.—F. R. Fraser, J. B. S. Haldane, R. Hilton, and G. C. Linder: A Study of the Arterial Blood in Ammonium Chloride Acidosis.—Dr. E. D. Adrian and Rachel Matthews: The Interaction of Retinal Neurons.—Prof. J. Mellanby: The Digestion and Absorption of Fat.—Demonstrations:—Apparatus for investigating Radiant Heating and its Effects, by Prof. H. M. Vernon and M. D. Vernon.—Some Changes in the Tissues during Attempted Acclimatisation to Alterations in O_2 -Pressure in the Air, by J. A. Campbell.—Method of studying Ciliated Epithelium of Trachea, by Dr. Leonard Hill.

ROYAL SOCIETY OF MEDICINE (Disease in Children Section) (Provincial Meeting at Royal Alexandra Hospital for Sick Children, Dyke Road, Brighton).

MONDAY, JULY 4.

ROYAL SOCIETY OF EDINBURGH, at 4.30.—Sir Joseph Larmor: The Grasp of Mind on Nature. The James Scott Prize will be presented to Sir Joseph Larmor.

ROYAL INSTITUTION, at 5.—General Meeting.
SOCIETY OF CHEMICAL INDUSTRY (Annual General Meeting) (in Edinburgh).

TUESDAY, JULY 5.

ROYAL SOCIETY OF MEDICINE, at 5.—Annual General Meeting.
SOCIETY OF CHEMICAL INDUSTRY (Annual General Meeting) (in Edinburgh).

WEDNESDAY, JULY 6.

SOCIETY OF CHEMICAL INDUSTRY (Annual General Meeting) (in Edinburgh).

THURSDAY, JULY 7.

SOCIETY OF CHEMICAL INDUSTRY (Annual General Meeting) (in Edinburgh).

FRIDAY, JULY 8.

SOCIETY OF CHEMICAL INDUSTRY (Annual General Meeting) (in Edinburgh).

SATURDAY, JULY 9.

BRITISH MYCOLOGICAL SOCIETY (Phytopathological Meeting) (at the Research Station, East Malling, Kent), at 11.30.—R. G. Hatton: General Account of the Station and its Activities.—At 12.—Demonstration of Reversion in Black Currants, by Mr. Hatton and Mr. Amos.—At 1.30.—Dr. H. Wormald: Brief Outline of the Pathological Problems under Investigation at East Malling.—1.45 to 3.45.—Tour of Egham Field and Great East Field, and Examination of Specimens, Cultures, etc., in the Laboratory. Features of pathological interest include examples of 'Die-back' in Plum Trees, various Raspberry Diseases, Walnut Bacteriosis, Spraying Experiments against Raspberry Anthracnose, and Apple Spraying Experiments, etc.—At 4.30.—General Discussion.

CONFERENCE.

JUNE 30 TO JULY 2.

NATIONAL ASSOCIATION FOR THE PREVENTION OF TUBERCULOSIS (at British Medical Association House, Tavistock Square, W.C.1.)

Editorial and Publishing Offices:

MACMILLAN & CO., LTD.,

ST. MARTIN'S STREET LONDON, W.C.2.

Editorial communications should be addressed to the Editor.

Advertisements and business letters to the Publishers.

Telephone Number: GERRARD 8830.

Telegraphic Address: PHUSIS, WESTRAND, LONDON.