

principal proteids of the serum to be followed.—Mme. Heldt: The copepods of the lake of Tunis.—P. I. Mezernitzky: A new method for the quantitative measurement of the effects of sun baths.—Paternot, Maillet, and Rehm: An automatic ventilator for the permanent natural ventilation of rooms. A simple thermostat is connected with a damper so that the movement of the latter is a function of the temperature.

Official Publications Received.

BRITISH.

- Memoirs of the Department of Agriculture in India. Chemical Series. Vol. 9, No. 4: Experiments on the Feeding of Sorghum Silage and Concentrate to Scindri Calves. By F. J. Worth and Shari Kant Misra. Pp. 125-153. (Calcutta: Government of India Central Publication Branch.) 9 annas; 10d.
- Memoirs of the Asiatic Society of Bengal. Vol. 10, No. 2: Studies in Santal Medicine and connected Folklore. By Rev. P. O. Hoddging. Part 2: Santal Medicine. Pp. 131-426. (Calcutta.) 10.11 rupees.
- Annual Report for the Year 1926 of the South African Institute for Medical Research, Johannesburg. Pp. 53+2 plates. (Johannesburg.)
- City of Leicester Museum and Art Gallery. Twenty-third Report to the City Council, 1st April 1926 to 31st March 1927. Pp. 28. (Leicester.)
- Aeronautical Research Committee: Reports and Memoranda. No. 1072 (Ae. 254): The Characteristics of certain Aerofoil Sections for Infinite Aspect Ratio. By A. S. Hartshorn. (A.S.A. Aerofolios-General, 172.—T. 2378.) Pp. 9+12 plates. 9d. net. No. 1102 (M. 50): The Undercooling of some Aluminium Alloys. By Dr. Marie L. V. Gaylor. Work performed for the Engineering Research Board of the Department of Scientific and Industrial Research. (A. 21.) Pp. 24+15 plates. 1s. 9d. net. (London: H. M. Stationery Office.)
- The North of Scotland College of Agriculture. Report on the Work of the North of Scotland College for the Year 1926-27. Pp. 35. (Aberdeen.)
- Report of the Department of National Defence (Naval Service), Canada, for the Fiscal Year ended March 31, 1927. 1p. 28. (Ottawa: F. A. Acland.) 10 cents.
- The Chemist and Druggist Diary*, 1928. 1p. 488+Diary. (London: 42 Cannon Street.)
- Journal of the Royal Microscopical Society. Series 3, Vol. 47, Part 4, December. Pp. xv+319-406. (London.) 10s. net.
- The Journal of the Institution of Electrical Engineers. Edited by P. F. Rowell. Vol. 66, No. 372, December. Pp. 88+xxxiv. (London: E. and F. N. Spon, Ltd.) 10s. 6d. net.
- Transactions of the Royal Society of Edinburgh. Vol. 55, Part 2, No. 21: The Tholeites and Dolerites of the Dalmahoy Syncline. By Dr. Robert Campbell and Dr. James W. Lunn. Pp. 489-505+2 plates. 8s. Vol. 55, Part 2, No. 22: The Peripheral Innervation of the Uterus. By Dr. Amy S. Fleming. Pp. 507-529. 3s. Vol. 55, Part 2, No. 23: The Expedition to the South Pacific of the S.Y. *St. George*. Marine Ecology and Coral Formations in the Panama Region, the Galapagos and Marquesas Islands, and the Atoll of Napuka. By Dr. Cyril Crossland. Pp. 531-554+1 plate. 3s. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.)
- Report of an Inquiry into the Relationships of Technical Education to other Forms of Education and to Industry and Commerce. Pp. 50. (London: 29 Gordon Square.) 1s.
- Report on the Teaching of the Life Sciences in the Education of Boys and Girls of Ages 10-18. Pp. 22. (York: Friends' Guild of Teachers, Bootham School.) 7d.
- The Mineral Resources of Manitoba. By R. C. Wallace. Second edition. Pp. 58. (Winnipeg: Industrial Development Board of Manitoba.)
- Memoirs of the Department of Agriculture in India. Entomological Series, Vol. 10, Nos. 1, 2: Four new Indian Gall Midges, by Dr. E. P. Felt; The Citrus Psylla (*Diaphorina citri*, Kaw.) [Psyllidae: Homoptera], by Mohammad Afzal Hussain and Dina Nath. Pp. 4+27+4 plates. 1.2 rupees; 2s. Entomological Series, Vol. 10, No. 4: Some new Indian Miridae (Carpidae). By E. Ballard. Pp. 61-68+plates 15-21. 6 annas; 8d. Bacteriological Series, Vol. 11, No. 2: A Bacterial Soft Rot of Garden Poppy. By G. S. Ram Ayyar. Pp. 29-33+3 plates. 6 annas; 6d. (Calcutta: Government of India Central Publication Branch.)
- Annals of Eugenics: a Journal for the Scientific Study of Racial Problems. Edited by Karl Pearson, assisted by Ethel M. Elderton. Vol. 2, Parts 3 and 4, October. Pp. iv+245-404+12 plates. (London: Francis Galton Laboratory for National Eugenics, University College.) 39s. net.

Diary of Societies.

THURSDAY, DECEMBER 29.

ROYAL INSTITUTION OF GREAT BRITAIN, at 8.—Prof. E. N. da C. Andrade: Engines: Rules which all Engines must obey (Juvenile Christmas Lectures) (I.).

FRIDAY, DECEMBER 30.

JUNIOR INSTITUTION OF ENGINEERS (Informal Meeting), at 7.30.—A. P. Morris: The Burmese Lacquer Industry.

SATURDAY, DECEMBER 31.

ROYAL INSTITUTION OF GREAT BRITAIN, at 8.—Prof. E. N. da C. Andrade: Engines: Learning about Steam (Juvenile Christmas Lectures) (II.).

CONFERENCES.

DECEMBER 29 TO JANUARY 6.

- CONFERENCE OF EDUCATIONAL ASSOCIATIONS (at University College).
 Thursday, Dec. 29, at 3.—Sir Michael E. Sadler: The Educational Outlook (Presidential Address).
 Friday, Dec. 30, at 10 a.m.—Eugenics Society.
 At 10.30 a.m.—Education Guild of Great Britain and Ireland.—Sir Robert Blair: The Finance of Education (Presidential Address).
 At 2.30.—Joint Conference. Linking-up in Adolescent Education. Speakers—Miss M. H. Meade, Mrs. Millington, G. R. Parker, and T. B. Tilley.
 At 5.30.—Order of Woodcraft Chivalry.—H. D. Jennings-White: The Biological Principles of Education.
 At 6.—International Language (Ido) Society.—G. H. Richardson: Ido Verification.—E. M. Turlie: Radio and Ido.
 Saturday, Dec. 31, at 3.—Educational Handwork Association.—A. F. Collins: The Place of Craft in Education.
 At 3.—Association of Head Mistresses of Recognised Private Schools.—Prof. Winifred Cullis: Education and Health.
 Monday, Jan. 2, at 11.30.—League of Nations Union (Education Committee).—Prof. P. M. Hoxby: Geography and the League of Nations.
 At 3.—School Nature Study Union.—Dr. F. A. Bather: The Use of Museums.
 At 5.—Lepay House.—Sociology in Education.
 At 5.—National League for Health, Maternity, and Child Welfare.—Discussion: School Meals and the Nutritional Requirements of School Children.
 At 5.30.—British Psychological Society (Education Section).—Dr. D. Forsyth: Those First Five Years.
 Tuesday, Jan. 3, at 11 a.m.—Society for Experiment and Research in Education.—J. H. Whitehouse and others: Some Needed Reforms in Education.
 At 11 a.m.—British Broadcasting Corporation.—Demonstration of Educational Broadcasting.
 Wednesday, Jan. 4, at 2.30.—Joint Conference.—The Equipment of Schools. Speakers—T. T. Rees, H. G. Wood, and others.
 At 5.30.—Child Study Society.—Dr. D. Forsyth: The Effects of Bodily Infirmary on Character Formation in Childhood.
 At 5.30.—British Association for Physical Training.—Dr. G. P. Crowden: Physiology and Muscular Exercise.
 Thursday, Jan. 5, at 2.30.—Association for Education in Industry and Commerce.—Some Recent Educational Experiments in Industry.
 At 5.30.—London Head Teachers' Association.—Rev. Hon. Dr. E. Lyttelton: The Growth of the Human Mind.
 Friday, Jan. 6, at 5.—King Alfred School Society.—Dr. Leonard Hill: Sunshine, Open Air, and Health.

JANUARY 4 TO JANUARY 9.

- GEOGRAPHICAL ASSOCIATION (at London School of Economics).
 Wednesday, Jan. 4.—Meetings of Standing Committees.
 Thursday, Jan. 5, at 11.30 a.m.—Dr. Marion E. Newbigin: The Geographer and the Study of Climate (Lecture).
 At 5.—Sir John Russell: Palestine and its Agricultural Possibilities (Lecture).
 At 6.15.—Prof. J. F. Unstead: What should a Geography Teacher know—and be?
 Friday, Jan. 6, at 10 a.m.—E. J. Orford and others: Discussion on the Use of Ordnance Survey Maps in Primary Schools.
 At 10 a.m.—W. E. F. Betts and others: Discussion on That Geography is the Pivotal Subject in a Central School with a Commercial Bias.
 At 10 a.m.—V. C. Spary and others: Discussion on Post-Matriculation Work.
 At 11.45 a.m.—Dr. Vaughan Cornish: Harmonies of Scenery (Presidential Address).
 At 2.30.—Prof. Rodwell Jones: The Prairie Provinces of Canada: Geographical Factors in their Economic Development (Lecture).
 Saturday, Jan. 7, at 10.30 a.m.—Major Sir E. Humphrey Leggett: Economics and Administration in British East Africa (Lecture).
 Sunday, Jan. 8 (at Westminster Abbey), at 3.—Rev. Canon C. S. Woodward: International Relations in the Light of Geographical Science.

JANUARY 5 AND 6.

- MATHEMATICAL ASSOCIATION (at London Day Training College).
 Thursday, Jan. 5, at 5.30.—Prof. S. Brodetsky: Gravitation.
 Friday, Jan. 6, at 10.30 a.m.—President's Address: The Logical Eye and the Mathematical Eye: their Outlook on Euclid's Theory of Proportion.
 At 11.30 a.m.—Dr. W. F. Sheppard: What is a Partial Differential Coefficient?
 At 11.45 a.m.—W. Hope-Jones: Sound-Ranging.
 At 2.30.—P. Bolton: The Organisation of School Mathematics.—A. W. Siddons: The Best Method of Examining School Mathematics, with special reference to the School Certificate Examination of the Oxford and Cambridge Schools Examination Board.—A. J. Taylor and others: Discussion.

JANUARY 4, 5, and 6.

- SCIENCE MASTERS' ASSOCIATION (in Chemistry Department, Imperial College of Science, with Evening Meetings at Household and Social Science Department, King's College for Women).
 Wednesday, Jan. 4, at 8.15 p.m.—Sir Richard Gregory: Presidential Address.
 Thursday, Jan. 5, at 10.45 a.m.—Sir J. B. Farmer and Capt. Irby: Discussion—The Need of Scientific Investigators for the Agricultural Industries Overseas.
 At 12.—Dr. J. W. T. Walsh: Some Modern Methods in Photometry (Lecture).
 Friday, Jan. 6, at 10.15 a.m.—Prof. J. C. Philip: Charcoal and its Activation (Lecture).
 At 11.30 a.m.—Prof. W. A. Bone: Discussion—Industrial Openings in Scientific Technology.