

tissues: physical development. Detection of gold in animal tissues by physical development in a solution of gum arabic, silver nitrate, hydroquinone and citric acid. MISS M. A. KENNARD: Clinical and histological observations on a case of primary cortical degeneration of the cerebellum. A case of progressive ataxia showed complete degeneration of the Purkinje cells of the cerebellum. A. DE BUCK and N. H. SWELLENGREBEL: Further studies on and discussion of the results of cross-mating the races (varieties) of *Anopheles maculipennis*. Crossing experiments with *Anopheles* from Sweden and Holland showed that the varieties were identical in the two countries. H. J. MACGILLAVRY: Remarks on Rudists.

SYDNEY

Royal Society of New South Wales, May 1. R. J. NOBLE: Some aspects of problems associated with the preservation of health in plants (presidential address). Reference was made to early records of the occurrence of plant diseases in New South Wales and to the urgent need for more general adoption of established measures of control in order that there might be greater stability in agricultural production. The conditions of health and disease are not always readily differentiated. Submerged infections, delayed development of symptoms and virus-masking are phenomena of academic interest and practical importance. Variability and plasticity of host and pathogen and the significance of factors in the environmental complex were discussed. Synergic and antibiotic phenomena are being more widely recognised in local problems. Climatological factors were reviewed in relation to plant quarantine and spray forecasting services. Virus diseases were discussed in relation to plant responses, and the question was raised as to whether any groups of symptoms are comparable physiologically with those resulting from other causes.

ROME

Royal National Academy of the Lincei, March 17. T. BOGGIO: Integration of Helmholtz's hydrodynamic equations. A direct integration of these equations, to obtain Cauchy's integrals, is given. F. TRICOMI: The inversion of Laplace's transformation. B. MANIÀ: Conditioned problems of the calculus of variations. R. L. GOMES: The deduction of Lorentz's formulæ. D. GRAFFI: The effect of a variation in mass on a planetary orbit. R. L. GOMES: Considerations on the fundamental equation of Louis de Broglie's "New Conception of Light". L. SOBRERO: Functions analogous to potential in mathematical physics. G. R. LEVI and D. GHIRON: Action of arsenic acid and arsenates on hydrogen peroxide. In small proportions, arsenic acid has a stabilising action on hydrogen peroxide, but at higher concentrations the ion AsO_4''' exhibits a specific decomposing effect. L. MUSAJO: Investigations on xanthurenic acid (2). The results of experiments in which various animals were fed with fibrin show that, with the albino rat or rabbit, xanthurenic acid, quinurenic acid and quinurenin are eliminated in the urine, and with the dog, quinurenic acid and quinurenin, without xanthurenic acid. L. MUSAJO and F. M. CHIANCONI: Investigations on xanthurenic acid (3); genesis of the acid. In the rat, xanthurenic acid is formed from tryptophane, probably with intermediate formation of quinurenin.

Forthcoming Events

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

Sunday, June 30

BRITISH MUSEUM (NATURAL HISTORY), at 3 and 4.30.—Miss M. R. J. Edwards: "Protective Colouring and Mimicry".*

MUSEUMS ASSOCIATION, July 1-4. Forty-sixth Annual Conference to be held in Brussels.

SOCIETY OF CHEMICAL INDUSTRY, July 1-6. Fifty-fourth annual meeting to be held in Glasgow.

July 2 at 10.45.—Edwin Thompson: "National Water Supplies."

At 3.—Commander J. L. Bedale: "Some Problems in Chemical Engineering which arise in H.M. Navy."

July 3, at 9.30: Sir Harold Hartley and Dr. A. J. M. Smith: "How Food is Transported by Rail and Sea".

July 4, at 10.—Dr. E. F. Armstrong: "The Past, the Present and the Future" (also presentation of the Medal of the Society to Dr. Armstrong).

UNIVERSITY OF BRISTOL, July 2-5. Conference on "Some Aspects of the Metallic State", to be held in the H. H. Wills Physical Laboratory.

Official Publications Received

GREAT BRITAIN AND IRELAND

The British Science Guild: Engineers' Study Group on Economics. First Interim Report on Schemes and Proposals for Economic and Social Reforms. Pp. 44. 1s. The Annual Report of the Council of Management 1934-1935, presented at the Annual General Meeting held at the Royal Society of Arts, London, on Wednesday, 12th June 1935. Pp. 23. 1s. (London: British Science Guild.)

Home Office. Reports of the Poisons Board in regard to the Poisons List and Draft Poisons Rules prepared in accordance with the Pharmacy and Poisons Act, 1933. (Cmd. 4912.) Pp. iv+62. (London: H.M. Stationery Office.) 1s. net.

Transactions of the Royal Society of Edinburgh. Vol. 58, Part 2, No. 14: The Anatomy of the Adhesive Apparatus in the Tadpoles of *Rana afghana* Günther, with Special Reference to the Adaptive Modifications. By Jnanendra Lal Bhaburi. Pp. 339-349+1 plate. (Edinburgh: Robert Grant and Son, Ltd.; London: Williams and Norgate, Ltd.) 1s. 9d.

OTHER COUNTRIES

Nyasaland Protectorate: Geological Survey Department. Colonial Development: Water Supply Investigation. Progress Report (No. 4) for the Year 1934. Pp. 18+3 plates. (Zomba: Government Printer.) 2s. 6d.

Report for the Year 1934 of His Majesty's Astronomer at the Cape of Good Hope to the Secretary of the Admiralty. Pp. 13. (Cape of Good Hope: Royal Observatory.)

Memoirs of the Asiatic Society of Bengal. Vol. 9, No. 7: Geographic and Oceanographic Research in Indian Waters. Part 7: The Topography and Bottom Deposits of the Laccadive Sea. By Lieut.-Col. R. B. Seymour Sewell. Pp. ii+425-460+plates 9-10. (Calcutta: Asiatic Society of Bengal.) 2.13 rupees.

Meddelelser fra Kommissionen for Danmarks Fiskeri- og Havundersøgelser. Serie Fiskeri, Bind 10, Nr. 1: Cod Marking Experiments in the Waters of Greenland. By Paul M. Hansen, Ad. S. Jensen and A. Vedel Tåning. Pp. 119. (København: C. A. Reitzels Forlag.) 3.00 kr.

Ceylon. Part 4: Education, Science and Art (F). Administration Report of the Director of the Colombo Museum for 1934. By A. H. Malpas. Pp. F26. (Colombo: Government Record Office.) 25 cents.

Whither Public Relations Work? An Examination of the Development and Sociologic Aspects of Public Relations Technics. By William A. Hamor. Pp. 24. (Pittsburg, Pa.: Mellon Institute of Industrial Research.)

Summary Proceedings of the Twenty-ninth Meeting of the Indian Central Cotton Committee, Bombay, held on the 28th and 29th August 1934. Pp. 129. (Bombay: Indian Central Cotton Committee.)

The Indian Forest Records. Vol. 20, Part 16: A Stand Table for Sal (*Shorea robusta*) evenaged High Forest and Coppice. Pp. 18. (Delhi: Manager of Publications.) 12 annas; 1s. 3d.

CATALOGUES

Botany, Gardens and Gardening, Agriculture and Herbals. (Catalogue No. 588.) Pp. 36. (London: Francis Edwards, Ltd.)

B. D. H. Chlorotex Outfit: for Determination of Free Chlorine in Drinking Water and Swimming Pools. Pp. 12. (London: The British Drug Houses, Ltd.)

Cambridge Thermo-Electric Pyrometers for Temperatures up to 1400° C. Pp. 6. (London: Cambridge Instrument Co., Ltd.)

Temperature Humidity and Pressure Controllers. (List No. R./S.) Pp. 64. (London: Negretti and Zambra.)