

Dirac's equations, these may be made capable of indicating some of the known properties of protons and neutrons. G. C. WICK: The oscillation and rotation spectrum of the molecule HD. M. SAVIANO: Water metabolism. (9) Variation of the diuresis and urinary pH in animals on acidogenic and alkalogenic diets. The more abundant the diuresis, the more nearly does the reaction of the urine approach that of the blood. With animals on an alkalogenic diet, the urine may even become less alkaline than the blood. V. FAMIANI: The development of Jensen's sarcoma in certain particular conditions of nutrition.

Thursday, November 7

ROYAL SOCIETY, at 4.30.—F. W. G. White and L. W. Brown: "Some Measurements of the Reflection Coefficient of the Ionosphere for Wireless Waves".

J. P. Gott: "On the Electric Charge collected by Water-Drops falling through a Cloud of Electrically Charged Particles in a Vertical Electric Field".

HALLEY STEWART TRUST LECTURE, at 6.—(in the Memorial Hall, Farringdon Street, E.C.)—Prof. Julian Huxley.*

Friday, November 8

BEDSON CLUB, ARMSTRONG COLLEGE, NEWCASTLE-UPON-TYNE, at 6.30.—Prof. J. W. Cook: "The Synthesis and Biological Effects of Carcinogenic Hydrocarbons" (Bedson Lecture).

ROYAL INSTITUTION, at 9.—S. R. K. Glanville: "Weights and Balances in Ancient Egypt".

Forthcoming Events

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

Monday, November 4

SOCIETY OF CHEMICAL INDUSTRY (LONDON SECTION), at 8.—Prof. I. M. Heilbron: "Chemical Elixirs of Life—the Recent Developments in the Chemistry of Sterols, Lipochromes and Related Compounds" (Jubilee Memorial Lecture).

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Prof. Kenneth Mason: "The Himalaya as a Barrier to Modern Communications".

Tuesday, November 5

ROYAL HORTICULTURAL SOCIETY, at 3.30.—(in the Society's New Hall, Greycoat Street, Westminster, S.W.1).—Sir William Wright Smith: "Problems connected with the Classification of Plants". (Masters Memorial Lectures. Succeeding lecture on November 26.)

BEDFORD COLLEGE FOR WOMEN, at 5.15.—Prof. W. Neilson Jones: "Notes on a Biologist's Visit to Southern California".*

HALLEY STEWART TRUST LECTURE, at 6.—(in the Memorial Hall, Farringdon Street, E.C.)—Prof. J. B. S. Haldane.*

INSTITUTION OF CIVIL ENGINEERS, at 6.—J. D. Watson: Presidential Address.

Wednesday, November 6

UNIVERSITY OF LONDON, at 5.—(at the London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, W.C.1).—Sir Daniel Hall: "The Improvement of Native Agriculture in Relation to Population and Public Health" (Heath Clark Lectures. Succeeding lectures on November 11, 13, 18 and 20).*

ROYAL SOCIETY OF MEDICINE (HISTORY OF MEDICINE SECTION), at 5.—Dr. E. J. Holmyard: "The Pharmacology of Medieval Islam".

WARBURG INSTITUTE, at 5.30.—H. Mattingly: "The First Age of Roman Coinage" (succeeding lectures on November 13 and 20).*

UNIVERSITY COLLEGE, LONDON, at 5.30.—I. C. Gröndahl: "Norwegian Life in Town and Country".*

INSTITUTION OF ELECTRICAL ENGINEERS (WIRELESS SECTION), at 6.—R. A. Watson Watt: Inaugural Address.

ROYAL ANTHROPOLOGICAL INSTITUTE, at 8.30.—(at the London School of Hygiene and Tropical Medicine, Keppel Street, W.C.1).—M. J. Leahy: "Stone Age People of the Hagen Area, Mandated Territory of New Guinea" (Film).

INSTITUTE OF CHEMISTRY (LEEDS AREA SECTION).—Dr. C. H. Desch: "Metals in the Chemical Industry" (Jubilee Memorial Lecture).

Official Publications Received

Great Britain and Ireland

Department of Scientific and Industrial Research. Forest Products Research Records, No. 3 (Wood Preservation Series, No. 1): Experiments on the Preservation of Mine Timber—Progress Report No. 1. By J. Bryan and N. A. Richardson. Pp. ii+10+3 plates. (London: H.M. Stationery Office.) 6d. net.

Dam the Thames: a Matter of Sanitation, Comfort and Economy: a Plan for a Tideless River in London. Second edition. Pp. 16. (London: Thames Barrage Association.) 6d.

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1633 (S. 210): Static Stability Tests of Six Full Scale Twin Float Seaplanes. By R. K. Cushing, A. S. Crouch and R. W. Angell. Pp. 20+10 plates. 1s. 6d. net. No. 1657 (S. 215): Water Performance of Seaplanes: Tank Data to determine Effect of Wind, Variation of Loading or a Change of Air Structure. By W. G. A. Perring. Pp. 4+3 plates. 6d. net. No. 1662 (T. 3612): Turbulence Tests of the R.A.E. Wind Tunnels. By Dr. R. G. Harris and A. Graham. Pp. 6+3 plates. 6d. net. (London: H.M. Stationery Office.) Sale of Food and Drugs: Extracts from the Annual Report of the Ministry of Health for 1934-35 and Abstract of Reports of Public Analysts for the Year 1934. Pp. 15. (London: H.M. Stationery Office.) 3d. net.

Other Countries

Smithsonian Miscellaneous Collections. Vol. 94, No. 6: The Abdominal Mechanisms of a Grasshopper. By R. E. Snodgrass. (Publication 3335.) Pp. ii+89. Vol. 94, No. 7: A New and Important Copepod Habitat. By Charles Branch Wilson. (Publication 3336.) Pp. ii+13. Vol. 94, No. 9: Review of the Genus *Chlaenobia* Blanchard (Coleoptera: Scarabaeidae). By Edward A. Chapin. (Publication 3338.) Pp. 20. (Washington, D.C.: Smithsonian Institution.)

Bulletin of the Bingham Oceanographic Collection: Peabody Museum of Natural History, Yale University. Vol. 5, Art. 1: Report on Hydrographic Observations in the Gulf of Mexico and the Adjacent Straits made during the Yale Oceanographic Expedition on the *Mabel Taylor* in 1932. By Albert Elide Parr. Pp. 93. (New Haven, Conn.: Yale University.)

Pennsylvania State College: School of Agriculture and Experiment Station. Bulletin 319: The Mineral Requirements of Milk Production; The Annual Cycle of Mineral and Nitrogen Metabolism of the Milch Cow, as affected by Alfalfa Hay, Timothy Hay, Bone Flour and Ground Limestone. By Ernest B. Forbes, with the collaboration of Alex Black, Winfred W. Braman, Donald E. H. Frear, Orme J. Kahlenberg, Frank J. McClure, Raymond E. Swift and LeRoy Voris. Pp. 152. (State College, Pa.: Pennsylvania State College.)

Illinois Biological Monographs. Vol. 13, No. 3: Evolution of Foliar Types, Dwarf Shoots and Cone Scales of Pinus; with Remarks concerning similar Structures in Related Forms. By Clifton Childress Doak. Pp. 106. (Urbana, Ill.: University of Illinois.) 1.50 dollars. Proceedings of the United States National Museum. Vol. 83, No. 2979: New West Indian Cerambycid Beetles. By W. S. Fisher. Pp. 189-210. (Washington, D.C.: Government Printing Office.)

Proceedings of the Academy of Natural Sciences of Philadelphia, Vol. 87. The Fauna of Burnet Cave, Guadalupe Mountains, New Mexico. By C. Bertrand Schultz and Edgar B. Howard. Pp. 273-298. (Philadelphia: Academy of Natural Sciences.)

Research at the Indian Institute of Science, Bangalore, 1934-1935. Pp. 70+14 plates. (Bangalore: Indian Institute of Science.) Canada: Department of Mines. Wood Fuel Burning Tests. By E. S. Malloch and C. E. Baltzer. (No. 761.) Pp. 6. (Ottawa: King's Printer.) 10 cents. [1810]

Catalogues

pH Values: What they are and How to determine Them. Fourth edition, revised and enlarged. Pp. 24. (London: The British Drug Houses, Ltd.)

Sodium Mandelate—Boots in the treatment of Urinary Infections. Pp. 4. Hepastab in the treatment of Pernicious Anaemia. Pp. 26. (Nottingham: Boots Pure Drug Co., Ltd.)