

type and the unstable ammoniates of bivalent cobalt, nickel, copper, etc. The function of the nitrogen atom of the ammonia molecules as a centre of co-ordination has perhaps not been sufficiently emphasized in the past, and its tendency to assume a configuration similar to that of the ammonium ion in the stable compounds, which then dissociate as substituted ammonium salts, should apparently also be taken into account.

FORTHCOMING EVENTS

(Meetings marked with an asterisk * are open to the public)

Tuesday, December 28

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 2.30 p.m.—Prof. E. N. da C. Andrade, F.R.S.: "Vibrations and Waves", 1: "Vibrations".*

Thursday, December 30

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 2.30 p.m.—Prof. E. N. da C. Andrade, F.R.S.: "Vibrations and Waves", 2: "Wave Properties in General".*

Friday, December 31

INSTITUTION OF MECHANICAL ENGINEERS (at Storey's Gate, St. James's Park, London, S.W.1), at 5.30 p.m.—Mr. A. J. Philpot: "Paints and Protective Finishes for Metals".

Saturday, January 1

ROYAL INSTITUTION (at 21 Albemarle Street, London, W.1), at 2.30 p.m.—Prof. E. N. da C. Andrade, F.R.S.: "Vibrations and Waves", 3: "Sound Waves".*

APPOINTMENTS VACANT

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

TECHNICIAN FOR THE VETERINARY LABORATORY—The Secretary, West of Scotland Agricultural College, 6 Blythswood Square, Glasgow (December 28).

MASTER to be responsible for the teaching of MATHEMATICS at the Bristol Junior Technical School—The Chief Education Officer, 2 Cecil Road, Clifton, Bristol 8 (December 29).

ASSISTANT LECTURER IN THE MINING DEPARTMENT—The Principal, County Mining and Technical School, Nuneaton, Warwickshire (December 31).

PRINCIPAL (temporary) of the Bridgend Mining and Technical Institute and Junior Technical Schools—The Director of Education, County Hall, Cardiff (January 3).

ASSISTANT MASTER to teach MATHEMATICS in the Day School—The Clerk to the Governors, South-East Essex Technical College and School of Art, Longbridge Road, Dagenham, Essex (January 3).

MASTER or MISTRESS (temporary) for SCIENCE, including ELEMENTARY BIOLOGY—The Clerk to the Governors, South-West Essex Technical College and School of Art, Forest Road, Walthamstow, London, E.17 (January 3).

ASSISTANT (part-time) IN SPEECH TRAINING in the Department of Education—The Registrar, The University, Manchester 13 (January 10).

SCIENCE MASTER, mainly for CHEMISTRY, up to University Scholarship standard, at the City of London School—The Town Clerk, 55-61 Moorgate, London, E.C.2 (January 12).

CHAIR OF CHEMISTRY—The Principal, University College of Wales, Aberystwyth (January 15).

REGIUS PROFESSOR OF ZOOLOGY at Glasgow University—The Private Secretary, Scottish Office, Fielden House, 10 Great College Street, London, S.W.1 (January 17).

DEMONSTRATOR IN ANATOMY (male)—The Secretary, Guy's Hospital Medical School, London Bridge, London, S.E.1.

LABORATORY STEWARD for the Chemistry Department—The Principal, Coventry Technical College, Coventry.

ASSISTANT INSPECTORS I and II (covering Groups A and B) for posts (London and Provinces) in a Government Department. For Group A posts sound technical and practical training in Mechanical Engineering is required, preferably in Heavy or Marine Engineering or in Modern Engineering Production Methods; for Group B posts sound technical and practical training and experience in Mechanical Engineering is required, with special knowledge of Foundry Practice, the Nut and Bolt Industry, the Metallurgy of Ferrous and Non-Ferrous Metals, or the Armour Plate Industry—The Ministry of Labour and National Service, Central (Technical and Scientific) Register, Advertising Section, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. C.1952A, and grade and group for which application is being made).

WORKS ENGINEER (Order No. 275) with good experience in Plant Maintenance (including Electrical) and Lay-outs of New Projects required; a METAL SHOPS SUPERINTENDENT (Order No. 262), with Machine Shop experience essential and Coppersmith experience desirable; an ASSISTANT CHIEF OF PRODUCTION CONTROL (Order No. 274), must be thoroughly conversant with Engineering Procedure and Operation of Works Documents, with good administrative ability and experience in dealing with large staff—The Ministry of

Labour and National Service, A.O., 16 Westwood Road, Southampton (quoting appropriate Order No.).

PLANTATION ASSISTANTS in the Cameroons under the Custodian of Enemy Property, Nigeria—The Ministry of Labour and National Service, Central (Technical and Scientific) Register, Advertising Section, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. F.1888).

LECTURER (temporary) in the DEPARTMENT OF BUILDING and STRUCTURAL ENGINEERING—The Principal, Central Technical College, Suffolk Street, Birmingham 1.

CHIEF PLANNING ENGINEER at a well-known Airframe Manufacturing Concern in the London area—The Ministry of Labour and National Service, Central (Technical and Scientific) Register, Advertising Section, Alexandra House, Kingsway, London, W.C.2 (quoting Reference No. C.1951XA).

GRADUATE ASSISTANT MASTER to teach GENERAL SCIENCE with MATHEMATICS in Day Technical School and Evening Institute—The Principal, Technical Institute, 28 Beckenham Road, Beckenham, Kent.

ASSISTANT LECTURER to teach ENGINEERING SUBJECTS, including SCIENCE, MATHEMATICS and DRAWING to day and evening students—The Principal, Forest of Dean Mining and Technical School, Cinderford, Gloucestershire.

ASSISTANT MASTER or MISTRESS to teach GEOGRAPHY, and an ASSISTANT MASTER FOR ENGINEERING SUBJECTS, at the Burton-upon-Trent Technical Institute and Junior Technical School—The Secretary and Director of Education, Education Offices, Guild Street, Burton-upon-Trent.

REPORTS and other PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Geological Survey of Great Britain. Wartime Pamphlet No. 13: Limestones of Scotland, Area 8: Orkney and Shetland. By D. Haldane: with Analyses by H. G. M. Hardie. Pp. 13. (London: Geological Survey and Museum.) 9d. [1111]

Imperial Bureau of Animal Breeding and Genetics. Gestation Periods: a Table and Bibliography. Compiled by J. H. Kenneth. Pp. 23. (Edinburgh and London: Oliver and Boyd, Ltd.) 2s. [1111]

Iron and Steel Institute. Special Report No. 29: Review of the Work of the Joint Research Committees 1924-1943 of the Iron and Steel Institute and the British Iron and Steel Federation. Pp. viii+176. (London: Iron and Steel Institute.) [1111]

Transactions of the Royal Society of Edinburgh. Vol. 61, Part 1, No. 3: Cytological Studies in the Genus *Solanum*, 1: Wild and Native Cultivated "Diploid" Potatoes. By Dr. H. C. Choudhuri. Pp. 113-136. 3s. Vol. 61, Part 1, No. 4: Inheritance of Resistance to Two Strains of Blight (*Phytophthora infestans* de Bary) in Potatoes. By Dr. William Black. Pp. 137-148. 1s. 6d. (Edinburgh and London: Oliver and Boyd, Ltd.) 1s. 6d. [1211]

Transactions of the Royal Society of Edinburgh. Vol. 61, Part 1, No. 1: The Genus *Primula*, Section *Farinosae*. By Sir W. Wright Smith and Dr. H. R. Fletcher. Pp. 69. (Edinburgh and London: Oliver and Boyd, Ltd.) 8s. 6d. [1911]

Other Countries

Indian Forest Bulletin. Utilisation (New Series), No. 120: Studies in Permeability. Part 1: A Preliminary Note on the Permeability of Wood and other Materials to Air. By D. Narayanamurti and A. Purushotham. Pp. 16+3 plates. 6 annas; 7d. Indian Forest Leaflet. Utilisation, No. 40: Studies on Adhesives, Part 4: Further Note on Prolamin Adhesives. By D. Narayanamurti and V. Ranganathan. Pp. ii+14. 6 annas; 9d. Utilisation, No. 43: Air Condenser Kilm suitable for the Seasoning of Coopersage Woods and Packing Case Timbers. By M. A. Rehman. Pp. ii+6+1 plate. 6 annas; 9d. Utilisation, No. 45: Preliminary Studies on Improved Wood, Part 2: Laminated Wood. By D. Narayanamurti and Kartar Singh. Pp. 8+6 plates. 6 annas; 9d. (Dehra Dun: Forest Research Institute.) [1410]

Smithsonian Institution. War Background Studies, No. 13: Alaska, America's Continental Frontier Outpost. By Ernest P. Walker. (Publication 3733.) Pp. iv+57+21 plates. (Washington, D.C.: Smithsonian Institution.) [1910]

Bulletin of the American Museum of Natural History. Vol. 81, Art. 4: Fossil Lizards of Mongolia. By Charles W. Gilmore. Pp. 361-384+plate 52. (New York: American Museum of Natural History.) [1910]

Academia das Ciências de Lisboa: Biblioteca de Altos Estudos. Relações científicas entre Portugal e a Grã-Bretanha. Por H. Amorim Ferreira. Pp. viii+76. (Lisboa: Academia das Ciências.) [1910]

Carnegie Institution of Washington: Department of Terrestrial Magnetism. Scientific Results of Cruise VII of the *Carnegie* during 1928-1929 under command of Captain J. P. Ault. Biology, 3: Studies in the Morphology, Taxonomy and Ecology of the Peridinales. By Herbert W. Graham. (Publication 542.) Pp. vii+129. 1.50 dollars. Meteorology, 1: Meteorological Results of Cruise VII of the *Carnegie*, 1928-1929. By Woodrow C. Jacobs and Katherine B. Clarke. (Publication 544.) Pp. v+168. 1.50 dollars. Meteorology, 2: Upper-Wind Observations and Results obtained on Cruise VII of the *Carnegie*. By Andrew Thomson. (Publication 547.) Pp. vii+93. 75 cents. (Washington, D.C.: Smithsonian Institution.) [2010]

Proceedings of the American Philosophical Society. Vol. 87, No. 1 (July 14, 1943): The Early History of Science and Learning in America; Papers read before the American Philosophical Society, Midwinter and Autumn Meetings, 1942. Pp. iii+120. (Philadelphia: American Philosophical Society.) [2010]

Brooklyn Botanic Garden Record. Vol. 32, No. 3: The Medicinal Plant Garden of the Brooklyn Botanic Garden. (Guide No. 16.) Pp. 165-210. (Brooklyn, N.Y.: Brooklyn Institute of Arts and Sciences.) 25 cents. [2210]