

Moscow

Academy of Sciences, (*C.R.*, 14, No. 8; 1937.)

V. S. IGNATOVSKIJ: The Laplacean transformation (5).

P. KOROVKIN: A generalization of Taylor's series.

V. SOKOLOVSKIJ: Concerning a problem of the theory of shells.

N. STRELECKIJ: The factor of safety as an indicator of strength equality of structures.

E. P. OSTROVSKIJ: Generation of powerful sound vibrations by magnetostriction.

K. CH. KEKŔBEV: Action of non-adequate stimuli on receptors.

A. E. FAVORSKIJ and M. D. BONE: Methods of determination of the constitution of carbohydrates of the series C_nH_{2n-2} .

P. SCHORIGIN and S. A. SKOBLINSKAJA: The decomposition of ethers (and esters) of cellulose by a solution of metallic sodium in liquid ammonia.

F. M. SEMIAKIN and A. I. LAZAREVA: (1) A study of periodic precipitation in aqueous media in capillaries, in the formation of barium carbonate, copper chromate and silver sulphate. (2) Comparative study of periodical precipitations in aqueous media by the Morse and the Ostwald methods.

L. G. DOBRUNOV: Characteristics of the growth and mineral nutrition of hemp with simultaneously maturing male and female plants.

N. V. MOROSOVA-VODJANITSKAJA: Some data on the vegetative productivity of the Black Sea.

Rome

National Academy of the Lincei (*Atti*, 24, 323-392; 1936).

E. BOMPIANI: Projective invariants in the theory of surfaces (1). Rapid reconstruction of the theory of projective applicabilities.

L. TONELLI: Problem of Plateau (1).

N. ABRAMESCU: Study of a surface in the region of one of its points, and a new interpretation of the cubic given by the tangents of Darboux and Segre.

E. CASTELNUOVO: A class of rational surfaces which admit ∞^2 transformations projective in themselves.

A. ERDÉLYI: The generalization of a formula of Tricomi.

L. ROTH: Semi-rational varieties in three dimensions.

L. CESARI and F. CONFORTO: The equation of the three moments for a continuous bent beam stressed axially, with a bending rigidity which is variable linearly along each span (2).

L. LABOCCETTA: A more general form of Kepler's third law.

G. ARRIGHI: Isocarene oscillations about the configurations of general equilibrium.

R. MANZONI ANSIDEI: Raman spectrum of aromatic hydrocarbons with condensed nuclei (1). Anthracene and phenanthrene, and their molecular symmetry.

G. B. BONINO: Molecular symmetry of thio-phene (2).

G. NATTA and R. RIGAMONTI: Electron diffraction examination of some vinyl polymers.

E. TRIA: Relation between temperature and activity of the glycolytic ferment in the liver of poikilotherm animals.

Appointments Vacant

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

PROFESSOR OF CIVIL ENGINEERING, IRRIGATION AND HYDRAULICS in the Thomason Civil Engineering College, Roorkee, United Provinces, India—High Commissioner for India, General Department, India House, Aldwych, London, W.C.2 (July 31).

HEAD OF THE DEPARTMENT OF ENGINEERING, ARCHITECTURE AND BUILDING of the Bradford Technical College—The Principal (July 31).

ASSISTANT ENGINEER in the Mechanical and Vehicle Engineering Section at the Headquarters of the Ministry of Transport—The Establishment Officer (July 31).

ASSISTANT CURATOR in the Rock Garden and Herbaceous Department of the Royal Botanic Gardens, Kew—The Secretary, Ministry of Agriculture and Fisheries, 10 Whitehall Place, London, S.W.1 (August 3).

PERMANENT ASSISTANT (metallurgy) in the Admiralty Technical Pool—The Secretary of the Admiralty (C.E. Branch) (August 7).

PROFESSOR OF FORESTRY in the University of Aberdeen—The Secretary (November 1).

ASSISTANT LECTURER IN CIVIL ENGINEERING in the Imperial College of Science and Technology (City and Guilds College)—The Secretary.

TEACHER OF ENGINEERING in the Oldham Municipal Technical College—The Director of Education, Education Offices, Oldham.

LECTURER IN MATHEMATICS and LECTURER IN CHEMISTRY in the Kingston Technical College—The Principal.

LECTURER IN ENGINEERING in the Brighton Technical College—The Education Officer, Education Offices, 54 Old Steine, Brighton, 1.

ABSTRACTOR of scientific and technical literature at the Shirlay Institute, Didsbury, Manchester—The Director of Research.

Official Publications Received

Great Britain and Ireland

P E P (Political and Economic Planning). Report on the British Social Services: a Survey of the existing Public Social Services in Great Britain with Proposals for Future Development. Pp. 206. (London: P E P.) Paper boards, 7s. 6d.; cloth, 10s. 6d. [186]

London School of Hygiene and Tropical Medicine. Report of a Meeting of the Ross Institute Industrial Advisory Committee held in the Council Chamber of the Rubber Growers' Association on Friday, 28th May 1937. Pp. 24. (London: London School of Hygiene and Tropical Medicine.) [306]

The Story of the General Register Office and its Origins from 1538 to 1937. Compiled by the Registrar General and illustrated by certain Exhibits shown at the General Register Office, Somerset House, Strand, W.C.2, in commemoration of the Centenary 1837-1937 of the General Register Office and Registration Service in England and Wales. Pp. 30+6 plates. (London: H.M. Stationery Office.) 6d. net. [306]

Transactions of the Royal Society of Edinburgh. Vol. 59, Part 1, No. 5: The Early Stages in the Development of the Ferret; the Formation of the Mesoblast and Notochord. By Dr. William J. Hamilton. Pp. 165-193+7 plates. (Edinburgh: Robert Grant and Son, Ltd.; London: Williams and Norgate, Ltd.) 6s. 3d. [306]

Committee on Bird Sanctuaries in Royal Parks (England). Report for 1936: Pp. 35. (London: H.M. Stationery Office.) 9d. net. [17]

Scottish Education Department. Report on the Royal Scottish Museum, Edinburgh, for the Year 1936. Pp. 19. (Edinburgh and London: H.M. Stationery Office.) 3d. net. [17]

Other Countries

Imperial College of Tropical Agriculture. The Principal's Report for the Year 1935-36 and the Accounts for the Year ended August 31, 1936. Pp. 36. (Trinidad and London: Imperial College of Tropical Agriculture.) [236]

Rapports sur la photoluminescence présentés à la Réunion Internationale de Photoluminescence, Varsovie, 20-25 Mai 1936. Publiés par la Société Polonaise de Physique sous la rédaction de Prof. Dr. S. Pienkowski et Dr. W. Kapuscinski. (Vol. 5 des Acta Physica Polonica.) Pp. ix+431. (Wilno: Acta Physica Polonica.) [250]

Report of the Committee on the Measurement of Geologic Time: presented at the Annual Meeting of the Division of Geology and Geography, National Research Council, May 1, 1937. Pp. ii+77. (Washington, D.C.: National Research Council.) [306]

Ringkøbing Fjords Naturhistorie i Brakvands-perioden 1915-1931. Udgivet af A. C. Johansen och H. Blegvad, under redaktion af B. Spærck. (Udgivet paa Carlsbergfondets Bekostning.) Pp. vi+252. (København: Andr. Fred. Høst and Søn.) [306]

National Geological Survey of China. Palaeontologia Sinica, Series C, Vol. 7, Fascicle 5: On the Mammalian Remains from Locality 3 at Choukoutien. By W. C. Pei. Pp. 120+6 plates. (Peiping: The French Bookstore.) [17]

Report of the Aeronautical Research Institute, Tōkyō Imperial University. No. 151: Experimental Research on the Effectiveness of Allerons and Elevators. By Taitiro Ogawa and Kadu Itō. Pp. 349-420. (Tōkyō: Kōgyō Tosho Kabushiki Kaisha.) 1.00 yen. [17]