

Cracow

Polish Academy of Sciences and Letters (*C.R.*, Nos. 6-7, June 17, 1938).

S. SZCZENIOWSKI, ST. ZIEMECKI and K. NARKIEWICZ-JODKO: Specific ionization characterizing cosmic rays. Measurements made during a free balloon ascent on May 14, 1938, indicate that ionization at heights of 5.5-10 km. is proportional to the density of the gas in the ionization chamber.

T. BANACHIEWICZ: Problem of the variations of the solution in the method of least squares.

W. ŚWIĘTOSŁAWSKI: Contribution to the study of phenomena at the critical point.

L. MARCHLEWSKI and W. BEDNARCZYK: Absorption of ultra-violet radiation by organic substances. (48) Azines and analogous compounds.

L. MARCHLEWSKI and J. CHOLEWIŃSKI: Absorption of ultra-violet radiation by organic substances. (49) Indirubine and indigotine.

B. SKARŻYŃSKI: Spectrographic studies of compounds of the flavone type.

K. DZIEWOŃSKI and MŁLE. M. MARUSIŃSKA: Studies of 1-methyl-4-aceto-naphthalene.

K. DZIEWOŃSKI, K. STEC and P. ZAGAŁA: Ketones derived from 2,6-dimethylnaphthalene.

K. DZIEWOŃSKI, MŁLE. M. MARUSIŃSKA and J. MOSZEW: Syntheses and transformations of compounds of the type of the 2-naphthyl-4-arylaminoquinolines.

ST. PAWLÓWSKI: Morphology of the southern edge of the plateau of Lublin.

J. NOWAK: Problem of the limits of the Polish oil basin in the Carpathic flysch.

B. KRYGOWSKI: Studies of elastic materials of quaternary origin with the aid of geological and petrographical methods.

J. KOVATS: Influence of the presence of iron and of molybdenum on one hand, and of the soil humus or humus ash on the other hand, on the fixation of nitrogen by *Azotobacter*.

J. BIBORSKI: Histological structure of the veins of *Gadus morrhua*.

MŁLE. J. JANISZEWSKA: Researches on the life and development of internal parasitic worms of *Pleuronectes fesus* L.

F. PAUTSCH: Role of the medullary tube and of the dorsal cord in the development of the tail of tadpoles of *Rana temporaria*.

J. MAKÓLSKI and ST. SMRECZYŃSKI: New researches on the Pleistocene Coleoptera of Łeki Dolne near Pilzno.

Appointments Vacant

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

LECTURER IN ELECTRICAL AND MECHANICAL ENGINEERING in the Stockport College for Further Education—The Director of Education, Town Hall, Stockport (December 5).

TEACHER OF CHEMISTRY in the Northern Polytechnic, Holloway, London, N.7—The Secretary (December 6).

LECTURER IN MECHANICAL ENGINEERING in the Burnley Municipal College—The Director of Education, Education Offices, Burnley (December 8).

HEAD OF THE ENGINEERING DEPARTMENT of the Hendon Technical Institute—The Secretary, Education Offices, 10 Great George Street, S.W.1 (December 9).

LECTURER IN EDUCATION AND PSYCHOLOGY in Rhodes University College—The Secretary, High Commissioner for South Africa, Trafalgar Square, London, W.C.2 (December 10).

LECTURER IN CHEMISTRY in Rhodes University College, Grahamstown—The Secretary, High Commissioner for South Africa, Trafalgar Square, London, W.C.2 (December 17).

Forthcoming Events

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

Monday, December 5

ROYAL GEOGRAPHICAL SOCIETY, at 5.—F. F. Fergusson: "Famine and Water-Supply in Western Rajputana".

UNIVERSITY OF LEEDS, at 5.15.—Dr. L. Dudley Stamp: "The Utilisation of Land in Britain".*

Tuesday, December 6

NORMAN LOCKYER LECTURE (in the Goldsmiths' Hall, Foster Lane, Cheapside, London, E.C.2), at 4.—Dr. H. Spencer Jones, F.R.S.: "The Atmospheres of the Planets".

Wednesday, December 7

SOCIETY FOR THE STUDY OF ALCHEMY AND EARLY CHEMISTRY (at Queen Mary College, London), at 8.—J. C. Gregory: "From Magic to Science".*

Thursday, December 8

ROYAL SOCIETY, at 4.30.—Dr. Irving Langmuir, For.Mem.R.S.: "Molecular Films" (Pilgrim Trust Lecture).

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 5.—H. A. T. Fairbank: "Increased and Decreased Density of Bone with Special Reference to Fibrosis of the Marrow" (Robert Jones Memorial Lecture).

Friday, December 9

PHYSICAL SOCIETY AND METER AND INSTRUMENT SECTION OF THE INSTITUTION OF ELECTRICAL ENGINEERS (at the Institution of Electrical Engineers), at 7.—Discussion on "Electro-acoustics" to be opened by Dr. C. V. Drysdale.

ROYAL INSTITUTION, at 9.—Dr. Irving Langmuir, For.Mem.R.S.: "The Properties and Structure of Protein Films".

Reports and other Publications

(not included in the monthly Books Supplement)

Great Britain and Ireland

Philosophical Transactions of the Royal Society of London. Series A: Mathematical and Physical Sciences. No. 781, Vol. 237: Propagation of Wave-packets incident obliquely upon a Stratified Ionosphere. By Dr. H. G. Booker. Pp. 411-451. 5s. Series B: Biological Sciences. No. 559, Vol. 229: The Potato Virus "X", its Strains and Reactions. By R. N. Salaman. Pp. 137-217+plates 18-25. 15s. (London: Cambridge University Press.) [811]

Report of Committee on Evacuation. With a Covering Memorandum by the Secretary of State for the Home Department. (Cmd. 5837) Pp. iv+39. (London: H.M. Stationery Office.) 9d. net. [811]

Board of Control (England and Wales). Report on Cardiazol Treatment and on the Present Application of Hypoglycaemic Shock Treatment in Schizophrenia. By Dr. W. Rees Thomas and Dr. Isabel G. H. Wilson. Pp. 70. (London: H.M. Stationery Office.) 1s. net. [911]

Royal Meteorological Society. Bibliography of Meteorological Literature. Prepared by the Royal Meteorological Society with the collaboration of the Meteorological Office. Vol. 4, No. 5 (January-June 1938). Pp. 235-294. (London: Royal Meteorological Society.) 2s. 6d. net. [1011]

Gas Works Effluents and Ammonia. By Dr. Arthur Key. Pp. 152. (London: Institution of Gas Engineers.) 5s. net. [1111]

London School of Hygiene and Tropical Medicine (University of London), incorporating the Ross Institute. Report on the Work of the School for the Year 1937-38. Pp. xiv+118. (London: London School of Hygiene and Tropical Medicine.) [1111]

University of Cambridge: Solar Physics Observatory. Twenty-sixth Annual Report of the Director of the Solar Physics Observatory to the Solar Physics Committee, 1937 August 1-1938 July 31. Pp. 4. (Cambridge: Solar Physics Observatory.) [1211]

Other Countries

Bulletin of the Bingham Oceanographic Collection. Vol. 6, Art. 5: A Contribution to the Life Histories of Atlantic Ocean Flying-fishes. By C. M. Breder, Jr. Pp. 126. (New Haven, Conn.: Yale University.) [1011]

Annuario del Reale Istituto Lombardo di Scienze e Lettere, 1938. Pp. 220+51 plates. (Milano: Reale Istituto Lombardo.) [1211]