

Farm. (2) J. F. Schofield: The pottery from Echo Farm, Didcot Farm, and the ruins on Didcot Farm. (3) J. F. Schofield: A proposed classification for the pottery of Southern Rhodesia. (4) J. F. Schofield: Notes on iron implements from Echo Farm.

Geneva

Society of Physics and Natural History, March 3.

RENÉE DOVAZ: The action of pre-pituitary extracts on the development of the organ of Bidder in the male castrated toad. Injections of prolan from the urine of ovariectomized woman, insertions and injections of hypophyses of frogs and toads into male castrated toads stimulate the transformation of Bidder's organ into the ovary, without, however, resulting in development as rapid as that described by Houssay, whose views were based on the weight of the organ. The effect on the oocytes is in direct relation with the period of latency after castration. In the most favourable cases, a commencement of vitellogenesis is noticed in the oocytes. The transformation observed is of the same order of magnitude as that undergone by the ovaries themselves, as will be described in a later note.

RENÉE DOVAZ: The stimulation of sexual maturity in immature male and female toads, under the influence of pre-pituitary extracts. The injection into toads (*Bufo vulgaris*) of pituitary extracts (ox, toad, frog) and of prolan from the urine of ovariectomized woman, slightly stimulates the ovogenesis of immature females, and, more actively, the ovogenesis of the Bidder's organs of castrated males, still more actively, the spermatogenesis of immature males or, in a state of sexual prematurity, Bidder's organ behaves abnormally, and is activated at the same time as the ovary and testicle. The study of the problem would require that attention should be given to the time factor, on account of the slow development of the batrachians.

LUDWIG BLUM: The polarity of the buffer action in the tissues of an aquatic plant (*Potamogeton densus*). The buffer power of an aquatic plant (*P. densus*) has been measured towards acids and bases. The measurements were carried out on the apical and on the distal part of the stems. The pH of the stems is always distinctly acid and the buffering power against acids is more important than against bases. In general, the apical part shows a higher buffering power than the distal part.

WILLY J. SCHROEDER: The discovery of submarine coulées of lava in the Flysch of the sheet of la Brèche. The author has identified in the crest situated between "Sur le Verchaix" and the pass of Jouxplane to the north of Samoëns (Haute-Savoie) submarine coulées of lava interstratified in the lower levels of the Flysch of the la Brèche sheet. Certain parts of the coulée are massive, others have a typical pillow-lava structure.

WILLY J. SCHROEDER: Remarks concerning the coulées of lava in the Flysch in the la Brèche sheet. The most probable hypothesis concerning the origin of these coulées would be the following: A good part of the basic eruptive rocks of the Flysch of the la Brèche sheet would be remnants of submarine coulées of lava which date from the period of the deposit of the Flysch. The la Brèche sheet would then come from the eastern part of the zone of the Flysch and the crystalline rocks forming the lava would come from the zone of the green rocks of Versoyen.

Forthcoming Events

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

Monday, May 23

WELLCOME INSTITUTE FOR MEDICAL RESEARCH, at 5.30.—Dr. J. W. Trevan: "Variation in the Response of Animals to Drugs" (succeeding lectures on May 24 and 25).*

UNIVERSITY OF OXFORD.—Prof. J. H. Hutton: "A Primitive Philosophy of Life" (Frazer Lecture).

Tuesday, May 24

ROYAL COLLEGE OF PHYSICIANS, at 5.—Prof. F. R. Fraser: "The Clinical Aspects of the Transmission of the Effects of Nervous Impulses by Acetyl Choline". (Croonian Lectures. Succeeding lectures on May 26 and 31).

EUGENICS SOCIETY (at the Royal Society, Burlington House, W.1), at 5.15.—D. V. Glass: "Population Policies in Scandinavia and Elsewhere".*

BIRKBECK COLLEGE, LONDON, at 6.—Prof. J. B. S. Haldane, F.R.S.: "The Marxist Philosophy" (Haldane Memorial Lecture).*

INSTITUTION OF MECHANICAL ENGINEERS, at 8.—Prof. H. J. Collins: "Engineering Problems of Modern Building Construction" (Chadwick Public Lecture).*

Wednesday, May 25

NATIONAL INSTITUTE OF INDUSTRIAL PSYCHOLOGY (at the London School of Hygiene and Tropical Medicine), at 5.30.—Dr. Dwight L. Palmer: "Industrial Relations in the United States and Great Britain" (succeeding lectures on May 30, by Dr. C. H. Northcott, and on June 1, by Prof. John Hilton).*

Thursday, May 26

ROYAL SOCIETY, at 2.30.—Discussion on "Cosmic Rays" to be opened by Prof. P. M. S. Blackett, F.R.S.

Friday, May 27

GEOPHYSICAL DISCUSSION (at the Royal Astronomical Society), at 4.30.—"The Topography of the Ocean Flora" (Opener: Lieut.-Colonel R. B. S. Sewell, F.R.S.).

ROYAL INSTITUTION, at 9.—Prof. J. Chadwick, F.R.S.: "The Cyclotron and its Applications".

RUBBER TECHNOLOGY CONFERENCE, May 23–25. To be held at the Hotel Victoria, Northumberland Avenue, London, W.C.2.

S. T. Rowe: President.

LINNEAN SOCIETY OF LONDON, May 24–26. One hundred and fiftieth anniversary to be held in London.

May 24, at 3.—Dr. J. Ramsbottom: "Linnaeus and the Species Concept".

May 25, at 10.—Symposium on "The Concept of Species from the Time of Linnaeus to the Present Day".

May 26, at 10.—Symposium on "Geographical Isolation as a Factor in Species Formation".

Appointments Vacant

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

LECTURERS IN MATHEMATICS, PHYSICS, CHEMISTRY AND CIVIL AND MECHANICAL ENGINEERING in the Woolwich Polytechnic, London, S.E.18—The Secretary (May 21).

LECTURER IN TELECOMMUNICATIONS (June 3) and LECTURER IN MECHANICAL ENGINEERING (May 23) in the Polytechnic, Regent Street, London, W.1—The Principal.

HEAD OF THE DEPARTMENT OF ECONOMICS AND SOCIAL STUDIES in the City of Birmingham Commercial College, Suffolk Street, Birmingham, 1—The Principal (May 25).