

position is expected for some considerable time to come. Of the Salisbury Museum, the Committee reports that in spite of difficulties relative to exhibition and working space, specialization in certain branches of science continues.

### Summer School in X-Ray Crystallography at Cambridge

FOR the third year in succession, members of the Department of Mineralogy and Petrology and the Cavendish Laboratory at Cambridge were able, through the courtesy of Prof. C. E. Tilley and Sir Lawrence Bragg, to conduct a summer school in X-ray crystallography; the administration was under the control of the Board of Extra-Mural Studies. The first part of the course, which was attended by everyone, dealt with crystal symmetry and the use of stereographic and gnomonic projections. Then followed fundamental theory and practice in the interpretation of the various types of X-ray photographs, the production and properties of X-rays and the measurement of intensities of X-ray reflexions. The methods of taking, interpreting and using powder photographs were dealt with in some detail. The school differed from those previously held in that during the last two days it was divided into two groups (as it happened, into almost equal numbers), one of which studied further theory and practice in the elucidation of fundamental crystal structure, such as the theory of space groups, structure factors, use of absent spectra to determine space groups and parameter determination; the second group studied powder photographs in relation to metallurgical problems such as the determination of grain size, stress and the orientation of crystals in drawn wires and rolled sheets. Throughout the course the labour of computation was greatly reduced by the use of graphical methods and the provision of tables in which many of the factors in formulæ had already been worked out. Of the thirty-one who attended the course, eight were from universities, two from research institutes, one from a technical college, two from research associations, three from Government laboratories and fifteen from industry. The opportunity for interchange of ideas afforded (especially at tea served in the laboratory after the day's work) was one of the most valuable aspects of the course. The success of these schools at Cambridge should encourage other authorities to develop this aspect of university education.

### Institute for the Study of Animal Behaviour

At a meeting of the Council of the Institute for the Study of Animal Behaviour on October 16, at the Zoological Society of London, Dr. E. Hindle, scientific director of the Zoological Society, was elected president in succession to Dr. E. S. Russell, who had resigned and who was made an honorary member and re-elected a member of Council. The following were also re-elected members of Council: Mr. R. J. Bartlett, Dr. J. T. Edwards, Mr. J. W. B. Douglas (*Hon. Asst. Editor*), Mr. J. M. McC. Fisher, Dr. J. Hammond, Dr. E. Hindle, Dr. J. Huxley, Dr. G. Lapage, Dr. W. H. Thorpe, Dr. A. Walton, Prof. A. N. Worden (*Hon. Secretary-Treasurer*), Prof. S. Zuckerman (*Hon. Editor*). Dr. A. Landsborough Thomson, Prof. James Gray, Dr. B. W. Tucker and Mr. David Lack were invited to attend to discuss Dr. W. H. Thorpe's proposal that a small field station for work on bird behaviour be initiated under the direction of the Institute. This proposal was wel-

comed, and Dr. Thorpe was entrusted with the preparation of working details of his scheme. The future of publication in Europe of matter relating to animal behaviour was discussed also in the light of a communication from Dr. N. Tinbergen, of the Zoological Laboratory of the University of Leyden. The Council agreed to support any claims for the financing of work on behaviour among domestic animals, for example, on grazing behaviour in ruminants and on sexual behaviour in bulls. It was agreed to hold the next scientific meeting of the Institute early in 1946.

### University of London

DR. G. A. H. BUTTLE has been appointed to the University chair of pharmacology tenable at the College of the Pharmaceutical Society of Great Britain as from October 1.

The following titles have been conferred: professor of electrical engineering on Dr. H. E. M. Barlow, who has been reader in electrical engineering at University College since 1938; reader in analytical chemistry in the University on Mr. L. S. Theobald, in respect of the post now held by him at Imperial College of Science and Technology; reader in nutritional science in the University on Dr. Gladys A. Hartwell, in respect of the post now held by her at King's College of Household and Social Science.

### Announcements

DR. A. B. STEWART, deputy director of the Macaulay Institute for Soil Research, Aberdeen, has been granted leave of absence for six or seven months to advise the Government of India upon the organization and conduct of research and field experimentation upon problems of soil fertility and crop production. Dr. Stewart has in recent years devoted much time to problems of soil fertility in relation to both plants and animals.

THE Medical Research Council has appointed the following to be members of its Industrial Health Research Board until August 31, 1948: Prof. F. C. Bartlett (*chairman*), Dr. A. N. Drury, Prof. T. Ferguson, Lord Forrester, Prof. A. Bradford Hill, Dr. D. Hunter, Prof. Esther M. Killick, Prof. R. E. Lane, Prof. J. M. Mackintosh, Dr. E. R. A. Merewether, Prof. J. A. Ryle and Mr. J. L. Smyth. (Dr. R. S. F. Schilling, seconded to the Council's headquarters staff from the Factory Department of the *Ministry of Labour and National Service*, continues to be secretary of the Board.)

THE directors of Messrs. H. K. Lewis and Co., Ltd. (Medical Publishers, 136 Gower Street, London, W.C.1), are considering adding foreign medical and scientific books to their lending library. In order to assess the possible demands for such books, a questionnaire is being circulated to men of science and medical men. Copies of this can be obtained from Messrs. Lewis at the above address.

A CONFERENCE on "The Training, Qualifications and Function of Dietitians" will be held by the Nutrition Society on November 17, beginning at 11 a.m., at the London School of Hygiene and Tropical Medicine, Keppel Street, W.C.1. Non-members desiring to attend this meeting should apply to a member of the Society for a ticket of admission. Further details of the Nutrition Society can be obtained from the Hon. Secretary, Dr. Leslie J. Harris, Nutritional Laboratory, Milton Road, Cambridge.