of the General Electric Co., Ltd., Wembley, will succeed him. Mr. F. G. Orme, general treasurer, will be succeeded by Mr. A. E. Hill. Prof. Turner, founder of the Society, who has exercised a profound influence on its development for a period of thirty years, will continue to act as editor of its journal.

Summer School in X-ray Crystallography 1946

By the courtesy of Prof. C. E. Tilley and of Sir Lawrence Bragg, a Summer School in X-ray Crystallography will be held for the fourth consecutive year in the Department of Mineralogy and Petrology, and in the Cavendish Laboratory, Cambridge. The School is conceived as a means of providing an introduction to the fundamental theory, methods, and techniques of X-ray diffraction, so that those whose researches, whether in the universities or in industry, lie in the field of physics, chemistry, metallurgy, mineralogy, or biology may be able to recognize in their own work the types of problem to which these methods may with advantage be applied. The greater part of the course will be devoted to practical work on the interpretation of the various types of X-ray photograph. For the last two days, however, alternative lectures and demonstrations will be offered in A and B sections. The A section will include further steps, theoretical and practical, in the study of crystal structures, while in the B section some applications of the earlier work of the course to metallurgical problems will be studied. The School will be held from Monday, September 2 to Friday, September 13 inclusive. A detailed syllabus and form of application for admission can be obtained from Mr. G. F. Hickson, Secretary of the Board of Extra-Mural Studies, Stuart House, Cambridge, to whom the completed application form should be returned not later than July 1.

Exhibition of Chemical Research

An exhibition of chemical research, organised by Imperial Chemical Industries, Ltd., is to be held at the Tea Centre, Lower Regent Street, London, S.W.1, during June 5–28. The exhibition is designed to show some of the major achievements of chemical research in Britain during the War, and to demonstrate their even greater importance in peace-time. The section "The Chemist versus Disease" will show the part played by chemical research in combating disease and improving sanitation, conditions of a century ago being contrasted with those of to-day. Particular emphasis is laid on the sulpha drugs, penicillin and 'Paludrine', and their significance in chemotherapy is explained. "The Chemist and Your Food" will outline the part played by the chemical industry in modern agriculture. Though synthetic fertilizers will be shown, this section will be mainly concerned with the evolution of chemical methods for combating moulds, bacteria and weeds. The discovery, development and use of the new selective weed-killer, 'Methoxone', will be illustrated with models, diagrams and photographs. Chemical warfare against predatory and disease-bearing insects will have a section to itself. The insecticide 'Gammexane' will be illustrated by specimens and molecular models of the four isomers of benzene hexachloride. The section on "The Chemist and Plastics" will centre around 'Perspex' and polythene. The history of 'Perspex' will be demonstrated, and a molecular model will illustrate the polymerization of methyl methacrylate. The technical interest of polythene lies in the fact that its production, by the polymerization of ethylene, involves pressures higher than those used in any other industrial processes. Polythene is also unique in being the simplest synthetic thermoplastic, composed of long methylene chains of 1,000 units or more. Exhibits will show its electrical properties, its use as a waterproof packing material for drugs, and for acid-proof containers, funnels and piping. The final section will be devoted to 'Ardil', the wool-like protein fibre made from ground nuts. Diagrams and models will demonstrate the breakdown of proteins into amino-acids, and the reassembly of these into proteins of a different nature. The process of the manufacture of 'Ardil' will be demonstrated, and fabrics will be shown in which it is combined with wool, cotton and rayon. The exhibition will be open daily from 10.30 a.m. to 8 p.m. (Sundays from 2 until 7 p.m.). A charge of 1*s.* will be made for admission, and all proceeds will be given to the Empire Fund for Cancer Research.

Announcements

The British Social Hygiene Council is organising a two-day conference to be held in Livingstone Hall on June 6 and 7. The aim of the conference is to provide a platform in which men of science and religion can meet in a common search for truth. Among the speakers will be: Sir Ernest Barker, Dr. K. E. Barlow, Mr. R. F. Harrod, Miss E. C. Knight Bruce, Rev. P. J. Lamb, Father J. Leycester King, the Dean of St. Paul's, Lord Moran, Dr. Basil Yeaxlee, Prof. A. V. Hill. Further information and tickets (price 10*s.*) may be obtained from the British Social Hygiene Council, Tavistock House North, Tavistock Square, London, W.C.1.

A conference on "Certain Aspects of the Action of Radiation on Living Cells", arranged by the British Institute of Radiology, will be held at the Reid-Knox Hall, 32 Welbeck Street, London, W.1, during May 13–14. The four sessions will cover the physics of irradiation and effects on viruses, action on aqueous solutions, action on chromosomes and effects on germ cells with special reference to man.

The Illuminating Engineering Society is holding a convention during May 14–16. Meetings will be held at the Institution of Electrical Engineers for the presentation of papers on lighting during the War, problems of visibility, lighting of airports, daylight in relation to town planning, and fluorescent lighting practice. An exhibition of war-time applications of lighting and of post-war developments is being arranged at the Lighting Service Bureau, 2 Savoy Hill, Victoria Embankment, London, W.C.2, during May 14–16.

The trustees of the Busk Studentship in Aeronautics hope to make an appointment during June next. The Studentship is of the value of about £165, tenable for one year from October 1, and is open to a British subject of British descent who has not attained the age of twenty-five years on October 1. The object of the Studentship is to enable the holder to engage in research, or preparation for research, in aeronautics of the kind in which Edward Busk was specially interested; namely, those involving experimental as well as mathematical investigation. Application forms, to be returned by June 1, can be obtained from Sir Melvill Jones, Engineering Laboratory, Cambridge.