

diploma. Further information can be obtained from the Registrar, King's College, Strand, London, W.C.2. The fee for the course will be £87.

Solid-State Electronics

A POSTGRADUATE course in "Solid-state Electronics" will be held in the Electrical Engineering Department of the Manchester College of Science and Technology commencing in October. The course is available to those with a good honours degree in physics, electrical engineering or related subjects, and will lead to the degree of M.Sc.Tech. by examination and dissertation. The course will last for four terms, the first three being devoted to lectures, tutorials and laboratory work, and the fourth entirely to work on a research project. Further information can be obtained from the Registrar, Manchester College of Science and Technology, Manchester 1.

Methods of Chemical Analysis

A FULL-TIME residential course on "Modern Methods of Chemical Analysis", with specialization in either spectroscopic methods or electroanalytical methods, will be held at Loughborough College of Technology for one year, beginning on October 1. The course will consist of general studies and practical work, and satisfactory completion can lead to the award of the Associateship of Loughborough College. The course is intended as an immediate postgraduate course for those obtaining a degree or equivalent qualification.

The following symposia and courses in modern chemical analysis will be held at Loughborough College of Technology during 1963-64. *One-day lecture symposia*: automatic analysis and control (October 8); modern gas chromatography (October 15); modern infra-red spectroscopy (November 19); modern polarography (February 4); nuclear magnetic resonance and electron spin resonance (March 17). *One-week residential courses*: gas chromatography (October 14-21); infra-red spectroscopy (November 18-25); polarography (February 3-10); atomic spectroscopy (March 9-15); X-ray methods of analysis (April 26-May 2).

Further information can be obtained from the Academic Registrar, Loughborough College of Technology, Loughborough, Leicestershire.

University News:

London

PROF. R. S. NYHOLM has been appointed to the headship of the Department of Chemistry, University College, in succession to the late Prof. E. D. Hughes.

Sheffield

DR. JOHN STEPHEN FLORRY has been appointed "Glass Manufacturers' Federation" Senior Research Fellow in the Department of Glass Technology at the University of Sheffield as from October 1. Dr. Florry graduated with honours in metallurgy at the University of Sheffield in 1957 and then undertook postgraduate research in the Refractories Technology Department. From October 1960 until the present time he has been a metallurgist at the Material Research Laboratory of the Mullard Radio Valve Co. He was awarded a Ph.D. in December 1962.

Announcements

PROF. C. L. OAKLEY, professor of bacteriology in the University of Leeds, has been appointed a member of the Agricultural Research Council in succession to Prof. J. W. Howie, who retires on September 30.

A MEETING of the German Society of Polar Research will be held in Karlsruhe during October 6-9. The subjects under discussion will be "The Antarctic" and "High Alpine Glaciers". Further information can be obtained from Deutsche Gesellschaft für Polarforschung, 23 Kiel, Eckernförder Strasse 1.

A THREE-DAY postgraduate course on "Electron Probe X-Ray Microanalysis" will be held at the Bristol College of Science and Technology during October 3-5. The fee for the course will be six guineas. Further information can be obtained from K. Humphreys, Bristol College of Science and Technology, Ashley Down, Bristol 7.

A SYMPOSIUM ON "Insect Reproduction", arranged by the Royal Entomological Society of London, will be held at the Imperial College of Science and Technology, University of London, during September 19-20. Further information can be obtained from the Registrar, Royal Entomological Society of London, 41 Queen's Gate, London, S.W.7.

A CONFERENCE on "Generation, Detection and Properties of Coherent Radiation of Wave-length Less than One Millimetre", arranged by the British Radio Spectroscopy Group, will be held in Bournemouth during September 24-25. Further information can be obtained from G. Phillips, Research Division, Signals Research and Development Establishment, Christchurch, Hants.

THE annual general meeting of the Photobiology Group will be held in the University of Cambridge during September 26-27. The programme will include a short symposium on "Woodland Light Climates", together with a number of papers on various other photobiological topics. Further information can be obtained from Dr. L. R. Fisher, National Institute for Research in Dairying, Shinfield, Reading.

A CONFERENCE on "The Physics of Optical Glass", arranged by the Optical Group of the Institute of Physics and the Physical Society, will be held at the Research Laboratories of Pilkington Bros., Ltd., Lathom, Lancashire, during October 3-4. Topics under discussion will include: special glasses; measurements of optical properties; working and testing of surfaces; physical studies of glass; instrumental requirements. Further information can be obtained from the Administration Assistant, the Institute of Physics and the Physical Society, 47 Belgrave Square, London, S.W.1.

A ONE-YEAR graduate course in "Solid State Electronics Engineering" will be held in the University of Birmingham, commencing October 1. The aim of the course will be to provide a broad and fundamental treatment of this sector of electronic engineering, and it will include groups of lectures on: quantum mechanics; structure of matter and physical properties of materials; theory and applications of solid-state and quantum devices; computers and digital systems; selected topics in engineering mathematics, as well as practical work and a three-month study or research project. Successful completion of the course will lead to the degree of M.Sc. (for degree students) or to the Diploma of Graduate Studies (for non-graduate students). Further information can be obtained from the Registrar, University of Birmingham, Birmingham 15.

THE following short evening courses will be held at Hendon College of Technology: digital computers and their industrial applications (twelve lectures, commencing September 23); a design course for electronic engineers (twelve meetings, commencing October 1); transistors and transistor circuit design (sixteen lectures, commencing October 16); an introduction to microwaves (twelve lectures, commencing September 26); global communications (nine lectures, commencing October 10); high-fidelity sound reproduction (nine lectures, commencing October 9); statistics (two consecutive courses, each of six lectures, commencing September 26 and November 7); electronics for engineers (sixteen meetings, commencing October 29); relativity and space (seven lectures, commencing October 9); introduction to plastics technology (six lectures, commencing October 8). Further information can be obtained from Hendon College of Technology, The Burroughs, Hendon, London, N.W.4.