

primarily with technical applications. There will be four half-day sessions devoted to the presentation of papers and to discussion, and a fifth session for demonstrations. About twenty main papers have been invited and will be printed and circulated in advance. Additional short contributions will be welcomed in the form of contributions to the discussion on the main papers, or in the form of demonstrations. The main papers, the discussions, and notes on the demonstrations will be collected and published after the symposium in one volume. Attendance is by invitation; applications should be made to Mr. L. H. McDermott at the National Physical Laboratory.

University News: California Institute of Technology

A GRANT of 73,594 dollars from the U.S. National Foundation (formerly the National Foundation for Infantile Paralysis) has been made to Dr. Renato Dulbecco who, with Dr. Marguerite Vogt, is investigating virus inheritance in experiments involving polio virus mutations. Another grant, of 33,943 dollars, has been made by the National Foundation to Prof. Linus Pauling, for investigations on the structure of nucleic acids.

Nottingham

THE University of Nottingham has received an offer of £100,000 from Rolls-Royce, Ltd., to endow a chair of thermodynamics in the Faculty of Applied Science. This chair is to be established by the Company in recognition of Lord Hives's contribution to engineering science, and will be known as the Hives chair of thermodynamics. It is hoped to encourage the training of an increased number of technologists and the development of a strong research school in thermodynamics. The University plans to increase its output of mechanical engineers by 250 per cent in 1965, and new laboratories to make this possible are under construction. One of these new laboratories will accommodate thermodynamics, fluid mechanics and heat transfer and occupies some 30,000 sq. ft. The new professor will be responsible for these laboratories and the development of researches in these fields.

Announcements

THE Council of the Institution of Mechanical Engineers has awarded the 1959 James Watt International Medal to (the late) Sir Claude Gibb as an engineer who achieved international recognition both by his work as a mechanical engineer and by the ability with which he applied science to the progress of mechanical engineering.

DR. MAX A. LAUFFER, professor of biophysics and dean of the Division of Natural Sciences in the University of Pittsburgh, has been awarded the 1958 Pittsburgh Award of the Pittsburgh Section of the American Chemical Society. Recently his main researches have been on the hydration of viruses and proteins, and the relationship between their physical, chemical and biological properties.

MR. A. BARCLAY, keeper of the Department of Chemistry, and Mr. E. W. White, deputy keeper in the Department of Aeronautics in the Science Museum, South Kensington, are to retire on March 31. Dr. S. E. Janson, deputy keeper in the Department of Chemistry, has been appointed keeper, in succession to Mr. Barclay and Mr. F. Greenaway and Mr. W.

Winton have been appointed deputy keepers from April 1.

A TRANSLATION Service has recently been set up by the Iron and Steel Institute with the collaboration of several large companies and of the British Iron and Steel Research Association. The Service is open to both members and non-members in Great Britain and abroad. Some 530 translations are already available, a large proportion of them from German or Russian, and a classified list of the translations made in the first year is now available; it is kept up-to-date by fortnightly lists (with classified cumulations every six weeks). Inquiries should be addressed to the British Iron and Steel Industry Translation Service, Iron and Steel Institute, 4 Grosvenor Gardens, London, S.W.1.

A course for senior technical executives in industry is being held at the Harwell Reactor School during June 15-25, the fee being 50 guineas. Forms of application and further details can be obtained from the Reactor School, Atomic Energy Research Establishment, Harwell, near Didcot.

A SYMPOSIUM on Boundary Problems in Differential Equations, with especial reference to recent developments in this field, will be held by the Mathematics Research Center, United States Army, at the University of Wisconsin during April 20-22. Further information can be obtained from R. E. Langer, Director, Mathematics Research Center, U.S. Army, 1118 West Johnson Street, Madison 6, Wisconsin.

A CONFERENCE on Electrically Exploded Wires, sponsored by the Thermal Radiation Laboratory of the Geophysics Research Directorate of the U.S. Air Force Cambridge Research Center, will be held at the Somerset Hotel, Boston, Massachusetts, during April 2-3. Invited and contributed papers on both theory and uses of exploding wires will be presented. Further information can be obtained from W. C. Chace, Thermal Radiation Laboratory, CRZCM, Geophysics Research Directorate, Air Force Cambridge Research Center, Bedford, Massachusetts.

THE English Electric Valve Co., Ltd., is holding an exhibition at the Kensington Palace Hotel, London, during March 17-21. The display will be devoted to modern valve design technique in the fields of radar, communication, transmitting, broadcasting—both sound and vision—and instrumentation, together with new types of storage tubes. Further information can be obtained from A. J. Thoroughgood, English Electric Valve Co., Ltd., Waterhouse Lane, Chelmsford, Essex.

A SPECIAL short course in Stereospecific Polymers and Block and Graft Co-polymers is being held in the Department of Chemical Technology of the Bradford Institute of Technology on February 27 and 28. Prof. C. E. H. Bawn will lecture on the preparation of stereospecific polymers; Dr. I. Goodman on stereochemical structure and polymer properties; Dr. C. H. Bamford on the preparation of block and graft co-polymers; and Dr. W. Cooper on the properties and uses of block and graft co-polymers. The fee for the course is 45s. Application forms can be obtained from the Registrar, Institute of Technology, Bradford.

ERRATUM. In the communication entitled "Penicillin Derivatives of *p*-Aminobenzyl Penicillin" in *Nature* of January 17, p. 180, the units throughout should be "u./ml.", not "μ/ml." as printed.