

matics, and chemistry. Stevens' evening graduate program was established 25 years ago in response to the needs of engineers and scientists employed in the metropolitan area who wished to continue in their jobs while pursuing further study, but until now has accepted no doctoral candidates in these fields.

Established

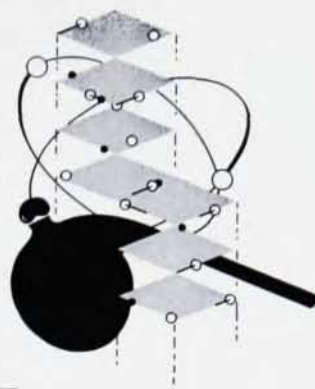
An instrumentation reference service has been inaugurated at the National Bureau of Standards as a means of providing government laboratories with more complete access to existing information on measuring instruments, controls, and data-handling devices. Maintained by the Bureau's Office of Basic Instrumentation, the service is now limited to government agencies and their contractors. An improved system for indexing sources of information is used in the reference service, and inexpensive hand-operated indexing equipment has been designed and constructed by Joshua Stern, who directs the reference center. A "multidimensional" system is employed which is the converse of the conventional punched card system. Each card represents an index term and the identity of the document to which the term applies is noted by the location of the approximate punched hole, which is determined by the serial number assigned to the document.

The Office of Scientific Research, which has been located at the Air Research and Development Command headquarters in Baltimore since its establishment in 1952, will soon be set up as a separate activity, with offices in Washington, D. C. The move is being made to "increase emphasis on basic research and provide closer liaison with other research organizations such as the National Advisory Committee for Aeronautics, Office of Naval Research, National Science Foundation, and the Air Staff and Defense Department scientific panels". Brigadier General Don Flickinger, currently director of research of ARDC, will be commander of the new office, which will be known as the Air Force Office of Scientific Research; Colonel William O. Davis will be deputy commander. The staff organization will include a civilian chief scientist and four civilian directors of aerodynamics, materials, life sciences, and physical sciences.

An applied nuclear physics division has been established at Oak Ridge National Laboratory which will encompass all reactor physics of general interest to ORNL progress, including shielding research and critical experiments. E. P. Blizard, former associate director of the physics division, heads the new division together with associate director A. Simon.

The Weizmann Institute of Science in Rehovoth, Israel, has purchased a 3-Mev Van de Graaff positive-ion accelerator from the High Voltage Engineering Corporation of Cambridge, Massachusetts. The machine will be installed next year in the new nuclear physics department building now under construction. According to Amos de-Shalit, head of the department, the ac-

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celerator will be used in studies of nuclear reactions produced by bombardment of nuclei with high-energy protons.

Publications

A 374-page bibliography on infrared radiation and its multitude of applications in science, technology, and industry has been made available to the public by the Office of Technical Services. The bibliography includes all references to published literature from 1935 to 1951, proceeding from infrared theory and general infrared-optical properties through the various elements and components of infrared equipment, spectroscopy and photography, to its applications. *Infrared: A Library of Congress Bibliography*, PB 111643, may be ordered for \$3.00 from the Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C.

A second number of the reviews of works in physics published during the last years in Eastern Europe and particularly in Russia, a 150-page supplement to Volume I, Series X, No. 4, 1955, of the Italian journal of physics *Il Nuovo Cimento*, has now appeared. It contains the following reviews: "Survey of researches in physics in Hungary" (L. Jánosy); "Sur les observations révélant des processus de désintégration nucléaire dans certains astres" (V. Kourganoff); "Review of recent papers on martensitic transformations published in the USSR" (B. S. Lement); "Travaux soviétiques sur le service de l'heure" (A. Stoyko); "Rapport succinct sur les travaux russes d'astronomie fondamentale" (N. Stoyko); and "Foreign language publications in physics of the Hungarian Academy of Sciences" (J. G. Valatin). The supplement can be obtained (at \$1.80 per copy) from Stechert-Hafner, Inc., 31 East 10th Street, New York 3, N. Y.

The June issue of the magazine *Computers and Automation* has been entirely given over to a directory of the computer field. The 164-page photo-offset publication includes: part 1, who's who in the computer field (about 7500 entries); part 2, a roster of organizations (about 300 entries); and part 3, products and services for sale (about 600 entries classified under 62 headings). *The Computer Directory, 1955* sells for \$6.00 and is available from Berkeley Enterprises, Inc., 36 West 11 Street, New York 11, New York.

Publication of an *Atomic Energy Guidebook* has been announced by Callahan and Hollowell, a Washington, D. C., firm. A nontechnical reference source dealing with items of interest in the "civilian use" of atomic energy, the book is divided into two sections, one being entitled, "How to Enter the Atomic Energy Business", and the other, "Basic Information on Status and Future of Atomic Energy". A six-part directory which lists companies manufacturing atomic instruments, official libraries, AEC members, holders of AEC access permits, and schools offering courses in atomic energy, among other topics, is included. The *Guidebook*, which will sell for \$7.50, is edited by Walter A. Shead.