NEW LABORATORIES

STANFORD PLANS ELECTRONIC LABS

Two new electronics laboratories, one for applied research and the other for student electrical engineering activities, are to be constructed at Stanford University, according to word from California. At the same time it was announced that the University has received an Office of Naval Research contract for a research program in applied electronics. The grants, sum of which was not disclosed, supplement existing basic research contracts held by the University with ONR, the Air Force, Signal Corps, and the National Bureau of Standards.

Construction of the student electrical engineering laboratory, which will be in the form of a wing adjoining the applied research center, was made possible through a gift from Hewlett-Packard Company of Palo Alto, electronics equipment manufacturing firm headed by two Stanford graduates, William Hewlett and David Packard. It will be the center of electronics instruction at the University, and will include classrooms, laboratories, workshops, a library, and student lounge.

The applied research laboratory and the student activities wing will be of contemporary design, with a wood-framed structure, concrete floor, exterior walls of concrete blocks, wood, and glass, and with a slightly sloping roof, resembling in general appearance the University's Microwave Laboratory and the Organic Chemistry Laboratory, both constructed in recent years.

NEW CANADIAN COSMIC RAY STATION

A çosmic ray observatory has been built and put into operation by the National Research Council of Canada at its Montreal Road property in the eastern part of Ottawa. Designed and built by the plant engineering staff of the Canadian NRC, the observatory features a roof reinforced at one end for heavy loads up to ten tons, and an opening in the center of the building through a trap door, exposing the laboratory to the sky. Continuous recording of cosmic-ray intensities is carried on by a research staff of five, including three postdoctoral fellows, one from France and two from India.

FELLOWSHIPS AND AWARDS

TEXTILE RESEARCH INSTITUTE

The Textile Research Institute of Princeton, N. J. has announced the establishment of two participating fellowships during recent weeks. The first, sponsored by the Carbide and Carbon Chemicals Corporation, is for the study of static electricity in textile fibers; the second, established by the Goodyear Tire and Rubber Company, is for research in the two-dimensional stress-strain properties of airship type fabrics. The Institute's participating fellowship plan permits the donor to suggest a field of fundamental research to be undertaken by a graduate student supported by the fellowship. If the suggested field is accepted by the Institute as suitable in the light of its general program of long-range textile research, the participating fellowship is set up for a period of two years. The fellowship donation is $5000 per year, which covers stipend, tuition, supervision, apparatus, and laboratory overhead costs.

Founded more than twenty years ago by a group of textile industrialists to provide research facilities for the industry, the Textile Research Institute had no laboratories of its own until 1944, when a stone mansion and thirty acres of ground were purchased from Princeton University. During its first two years in its own laboratories, the Institute was directed by Henry Eyring, now of the University of Utah. Since 1946 John H. Dillon has served as director of research. Responsibility for control of the Institute is vested in a board of twenty-four directors who are elected by the textile firms associated with the Institute.

Throughout most of its history the Textile Research Institute worked closely with the Textile Foundation, which was established in 1930 by an Act of Congress to administer certain accumulated funds and to apply them to textile research. Just one year ago, the Textile Foundation formally transferred its research and educational functions to the Institute. Expansion of the Foundation's work had been made increasingly difficult because of limited funds, and since the Institute, as an active and qualified textile industry organization, was felt to give promise of being able to accept much of the Foundation's long-range responsibilities, it was decided that the Foundation's remaining funds (amounting roughly to $250,000) should be appropriated to expand the Institute's work in textile research.

FIRST ALBERT EINSTEIN PRIZES AWARDED

Presentation of the first Albert Einstein award, consisting of a gold medal and $15,000, was made in Princeton by Professor Einstein himself last March 14th during a luncheon held at the Princeton Inn to celebrate his seventy-second birthday. Julian Schwinger, Harvard theoretical physicist, and Kurt Godel, mathematician from the Institute for Advanced Study, received the award, split on this occasion between the two winners, for outstanding contributions to quantum electrodynamics by Dr. Schwinger and to mathematical logic by Dr. Godel. Host at the luncheon was former Atomic Energy Commissioner Lewis L. Strauss, who established the award in honor of Dr. Einstein and in memory of Mr. Strauss' parents, the late Lewis and Rosa Strauss. The award is to be presented every three years.

SUMMER OFFERINGS

NUCLEAR ENGINEERING AT NORTH CAROLINA

A summer program in nuclear engineering, consisting of two successive six-week terms beginning June 11 and July 23, has been announced by North Carolina State College of Agriculture and Engineering at Raleigh. The program has been devised to meet the needs of undergraduate and graduate students who are either enrolled in the nuclear engineering curriculum or who wish to transfer into it at advanced levels, and of research workers, laboratory technicians, civilian defense personnel, and others desiring specialized training in specific subjects. The following courses, carrying full academic credit toward nuclear engineering degrees, will be given: introduction to modern physics, nuclear instrumentation, health physics, physical technology in radioactivity, advanced nuclear physics, quantum mechanics, advanced general physics, review in physics, review in mathematics, special mathematics courses as demanded, and research in the general fields of nuclear technology and engineering and of solid state physics. Application blanks, detailed course descriptions, and information on financial arrangements and living quarters may be secured from the Physics Department, the School of Engineering, or the Registration Office of the College.