for the coming summer and of 22 fellowships to nine institutions for the academic year.

Du Pont has also expanded its grants for postgraduate teaching assistantships to $115,000. There are 30 of these grants, chiefly in chemistry, and they are shared by 28 universities. Purpose is to improve instruction in the universities and to encourage postgraduate students to enter teaching careers.

Under its longer standing plans, the company is granting $270,000 to universities for fundamental research and $190,000 for postgraduate fellowships in science and engineering. Included in the authorization for research are grants-in-aid of $15,000 each to ten universities and $10,000 each to seven others.

There are also summer research grants of $1500 each to 20 other universities. These are to enable younger staff members of university chemistry departments to undertake research of their own during the summer months.

Under the program of postgraduate fellowships in scientific fields, the company is awarding 52 for the next academic year. There are 20 fellowships in chemistry, 16 in chemical engineering, six in biochemistry, four each in physics and mechanical engineering, and two in metallurgy.

■ Massachusetts Institute of Technology has announced a national competition for fellowships for high-school teachers of chemistry, physics, and biology throughout the United States to attend a special program at M.I.T. during the summer of 1956. Assistance from the Westinghouse Educational Foundation will make possible a total of 80 fellowships to help meet the costs of attending the special program.

This year's fellowship winners will participate in a 6-week course of study at M.I.T. from 2 July through 10 Aug. Designed by a special faculty committee, this program will provide a review of fundamental subject matter in physics, chemistry, and biology, and a survey of recent scientific developments not only in these fields but also in meteorology, geology, and aeronautical engineering.

Further information and application blanks may be obtained from the Summer Session Office, Massachusetts Institute of Technology, Cambridge 39. Applications must be filed *by 1 Apr.*

■ The Radcliffe Graduate School of Arts and Sciences invites applications for the Helen Putnam fellowship for advanced research, a postdoctoral resident fellowship for women. The recipient may use the research facilities at Harvard University. Investigations may be in any area related to genetics or mental health, including psychology, child development, and other fields of social science.

The stipend will be $3000 a year, with possibility of renewal. Application blanks may be obtained from the Secretary of the Graduate School, Radcliffe College, Cambridge 38, Mass. Completed applications should be returned *not later than 1 Apr.*

In the Laboratories

■ The General Electric Company has put a new $1.5-million laboratory into operation at the Hanford atomic plant to seek water treatment methods that will permit greater production of fissionable material. The goal is to find economical ways of chemically treating water from the Columbia River so that it can be used to cool Hanford reactors operating at higher power than at present.

Since it has been found that corrosion of reactor tubes and fuel elements increases as reactor power increases, research is needed to determine methods of decreasing this corrosion by improvement of techniques for treating coolants.

Further, impurities in coolants become radioactive when they are exposed to intense neutron bombardment. A conservative limit has been set on this radioactivity so that the effluent will not damage aquatic life.

The new laboratory will be in operation 24 hours a day. It provides large-scale facilities for experiments in filtering and chemical treatment and for pumping water through simulated hydraulic systems and test channels in a nearby reactor. Equipment for corrosion and hydraulic studies is included. Also, indoor and outdoor fish troughs and ponds are available to expose aquatic life to various concentrations and types of reactor effluent.

■ The Atomic Energy Commission has extended until 1 Oct. the period of time for private industry to submit proposals for production of refined uranium compounds. Further, 1 Apr. 1959 is the new date for deliveries to begin. Last fall the AEC announced the program, setting 31 Mar. 1956 as the date for receiving proposals and July 1958 as the date for deliveries to begin.

The commission also added uranium trioxide to the list of compounds acceptable as a final product. Originally, the AEC requested proposals for the production of either uranium tetrafluoride or uranium hexafluoride, with uranium trioxide acceptable on an interim basis pending completion of facilities for the production of the uranium tetrafluoride or uranium hexafluoride. Now uranium trioxide is acceptable both as an interim and as a final product.

To assist in the preparation of proposals, the AEC will make available classified technology relating to the production of uranium compounds to those applicants eligible to receive classified data under the access permit procedure. Information about obtaining access permits, as well as further details relative to the preparation of proposals, can be secured by writing to Mr. Harold L. Price, Director, Division of Civilian Application, U.S. Atomic Energy Commission, Washington 25, D.C.

Miscellaneous

■ A 6-page illustrated folder, "Medical engineering—new area for research and development," is available on request from the Office of Information Services of New York University. The booklet is a reprint of an article that appeared in the November issue of *Research and Engineering.* Written by Renato Contini, research coordinator in the N.Y.U. Engineering Research Division, the article discusses the historical development of medicine and engineering, the areas of present cooperation between them, and the potentialities for further cooperation.

■ A new monthly publication listing recent reports of research by the Atomic Energy Commission has now been made available, according to the Office of Technical Services, U.S. Department of Commerce. Nonclassified reports of AEC research are listed in a separate section of the OTS monthly publication, *U.S. Government Research Reports,* as they are released. The demand for these AEC reports has been so strong that it was decided to reprint the AEC section of this publication to make wider dissemination of this information possible. The reprints will be available monthly from OTS starting with a November issue, which may be obtained from OTS, Department of Commerce, Washington 25, or from any of its 33 field offices, for 10 cents.

Last August OTS undertook a stepped-up program to release AEC reports and at that time 961 were released. Since then an average of 100 have been released each month. These reports cover many areas of scientific and industrial interest, including chemistry, geology, metallurgy, mineralogy, ceramics, instrumentation, physics, and reactor technology. They range from general studies such as "Fission products utilization" to such titles as "Radiation stability of plastics and elastomers," "Surface preparation of zirconium for brazing," and "The titanium-vanadium system."