infirmaries, has been named vice president, medical sciences. In this newly created position, Stull will have administrative responsibility for all of the university's teaching, research, and service programs in the health sciences.

J. B. DE C. M. SAUNDERS, chairman of the anatomy department at the medical school in San Francisco, has been appointed dean. He succeeds to the deanship vacated by the resignation in June 1954 of Francis S. Smyth, who continues to serve as professor of pediatrics and director of the Indonesia Project.

VINCENT DU VIGNEAUD, winner of the 1955 Nobel prize in chemistry, will deliver the fourth annual Dakin memorial lecture at Adelphi College on 21 Mar. The lecture is sponsored by Adelphi's chemistry department and is open to the public without charge.

R. R. A. COOMBS, assistant director of research in the department of pathology, Cambridge University, England, has been appointed editor-in-chief of the *International Archives of Allergy and Applied Immunology.*

HENRY GROPPE, former assistant director of development for the Monsanto Chemical Company's plastics division at Texas City, Tex., has joined Joseph R. Mares in his practice as an industrial chemical consultant. The firm's office is in Houston, Tex.

JULES H. MASSERMAN, professor of psychiatry and neurology at Northwestern University, returned recently from a 6-week lecture tour through South America under the auspices of the World Health Organization.

BEN S. MORRIS, director of the National Foundation for Educational Research in England and Wales, will attend the international conference convened by the American Educational Research Association in Atlantic City, N.J., 13–21 Feb. Thereafter he will be in the United States for a few weeks, when he hopes to visit a number of educational research centers and to lecture on current educational research in England. Morris is particularly interested in selection problems, in theory and practice of educational guidance, and in the mental health and the emotional aspects of learning.

ROBERT L. MURRAY, chairman of the board of directors and chief executive officer of Hooker Electrochemical Company, Niagara Falls, N.Y., has been chosen to receive the Chemical Industry medal for 1956 "for conspicuous services to applied chemistry." Announcement of the award was made by the American Section of the Society of Chemical Industry, donor of the medal. Formal presentation to Murray will be made at a meeting of the American Section following a dinner in the medalist's honor at the Waldorf-Astoria Hotel, New York, on 27 Apr.

Recent Deaths

FERNAND E. D'HUMY, Chappaqua, N.Y.; 82; leader in field of communication; former vice president in charge of development and research of the Western Union Telegraph Company; 22 Dec.

MARTIN S. GARRETSON, Dunellen, N.J.; 89; retired curator of the New York Zoological Society; secretary-treasurer of the American Bison Society and a leader in the fight for preservation of the bison; 21 Dec.

JOSEPH A. LEDUC, Montreal, Canada; 78; emeritus professor of medicine of the University of Montreal; 21 Dec.

HOWARD W. LUNDY, Montclair, N.J.; 45; scientific director of the Muscular Distrophy Associations of America, Inc.; former assistant professor of bacteriology and public health at the State College of Washington; health education consultant with the Institute of Inter-American Affairs; 22 Dec.

JACOB MEYER, Chicago, Ill.; 61; professor of medicine at the University of Illinois Medical School, Chicago, Ill.; 17 Dec.

ROY W. MINER, Stonington, Conn.; 80; curator emeritus of marine life at the American Museum of Natural History, New York; 13 Dec.

HARRY E. NEWCOMER, Washington, D.C.; 57; retired assistant physicist at the National Bureau of Standards, Washington, D. C.; 23 Dec.

THOMAS J. PRESTON, South Orange, N.J.; 93; former professor of archeology at Princeton University, Princeton, N.J.; former president pro tem of Wells College; 25 Dec.

Grants, Fellowships, and Awards

■ The College of Forestry of the State University of New York expects to offer 24 assistantships for the college year 1956–57. Stipends vary from $900 to $1350 for a 9- or a 12-month period. Assistantship holders are excused from paying tuition and laboratory fees of about $350 per year.

Recipients are required to assist in teaching and research work for a maximum of 15 hours per week. Assistants may pursue studies leading to the master of forestry, master of science, and doctor of philosophy degrees.

Scholarships. Tuition scholarships for deserving out-of-state students also are available in limited number. These cover tuition and fees to the amount of $350 per year.

Research fellowships. Specially qualified applicants will be considered for fellowships sponsored by industry, research foundations, and Government agencies that the college awards for work on assigned research projects. Recipients are required to devote full time, except for course work, to these projects. Conditions of awards vary with sponsorship.

The industrial and other sponsored research fellowships carry stipends from $1500 to $2000. Holders of these fellowships are also excused from paying tuition and laboratory fees. These awards are usually offered in such fields as wood chemistry, polymer and plastics chemistry, pulp and paper technology, wood technology and utilization, preservation and pathology.

Research fellowships are also awarded in relation to the general program of research of the college. These fellowships cover all fields of forestry offered by the college.

Applications for assistantships, research fellowships, or scholarships for the year 1956–57 should be made *not later than 15 Mar.* Further information may be obtained from the Associate Dean for Graduate Studies, State University of New York College of Forestry, Syracuse, N.Y.

■ The Dupont Company has allocated more than $900,000 for grants to some 100 universities and colleges in its annual program of aid to education. This support, which is for the next academic year, is a substantial increase over the $800,000 in gifts made for this year. All of the increase and nearly half of the entire new program is for the improvement of teaching in colleges and universities and in high schools. The grants will support science and mathematics as well as other subjects.

The fund for aid to teaching totals $445,000, including $200,000 to aid undergraduate teaching in 50 privately supported colleges. Of this amount, $125,000 is for advancing the teaching of chemistry, supplemented by $75,000 to strengthen the teaching of other subjects important in the education of scientists and engineers. The grants for teaching chemistry have been in effect this year and are being renewed for next year. The supplementary grants are being given for the first time.

The company's program for the advanced training of high-school teachers of science and mathematics is nearly doubled. Grants totaling $130,000 are provided for fellowships for active and prospective teachers for summer sessions and for the next academic year. The company announced the award of 134 teachers' fellowships to eight institutions

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."