serving as executive secretary of the morphology and genetics study section, and also of the parasitology and tropical medicine study section, in the division of research grants of the National Institutes of Health.

GEORGE H. HICKOX, formerly program director for engineering sciences at the National Science Foundation, has been named director of research at the Army Corps of Engineers Research and Development Laboratories, Fort Belvoir, Va. His appointment completes a newly established three-man civilian directorate that also includes a technical director and a director of development.

CLARENCE C. LITTLE, president and director of the Jackson Memorial Laboratory at Bar Harbor, Me., has announced that he will retire in the fall. He hopes to devote himself to stabilizing the financial foundation of the laboratory, which has no endowment. Little will retain his position as scientific director of the Tobacco Industry Research Committee and chairman of its scientific advisory board.

The following are among those who have recently received honorary doctoral degrees.

Philadelphia College of Pharmacy and Science: E. G. KLARMANN, president and manager of Lehn and Fink Products Corporation, New York.

Sheffield University (England): RAYMOND PRIESTLEY, president of the British Association for the Advancement of Science; GEORGE PAGET THOMSON, master of Corpus Christi College, Cambridge; CHARLES GOODEVE, director of the British Iron and Steel Research Association.

HENRY T. HARRISON has been appointed director of meteorology for United Air Lines, and T. M. PLUNKETT assumes the newly created post of weather control manager. Both men have been associated with United for many years. They will have offices at the company's Denver operating base.

FRANK R. MAYO has joined the staff of the Stanford Research Institute as a senior research chemist and a member of the fundamental research group in the physical sciences division. He was formerly on the staff of the General Electric Research Laboratory, Schenectady, N.Y., where for several years he worked on the oxidation of unsaturated compounds.

EUGENE P. WHITLOW, a refrigeration specialist who was formerly chief engineer for Servel, Inc., has joined Southwest Research Institute's department of chemistry and chemical engineering as senior physical chemist.

Col. RICHARD P. MASON, MC, USA, has been named commandant of Walter Reed Army Institute of Research, a component of Walter Reed Army Medical Center, Washington, D.C. He succeeds Brig. Gen. JOHN R. WOOD, MC, USA, who has retired from the Army to accept the position of vice president and director of research of a New York pharmaceutical company.

IVAN F. BENNETT has been appointed chief of psychiatric research in the psychiatry and neurology service of the Veterans Administration central office in Washington, D.C. He was formerly at the VA hospital in Coatesville, Pa. He suceeds RICHARD L. JENKINS, who has been reassigned as director of VA's psychiatric evaluation project with headquarters in Mt. Alto Hospital in Washington.

WILLARD H. WHITCOMB has been appointed professor of entomology at the University of Arkansas College of Agriculture. For the past 10 years he has been in South America, from 1947 to 1952 as an entomologist in the Venezuelan Department of Agriculture, and since then as entomologist for the Shell Oil Company in Venezuela and as consultant for the Colombian Cotton Growers Institute.

Recent Deaths

STANLEY C. BALL, New Haven, Conn.; 70; curator emeritus of zoology at the Peabody Museum, Yale University; expert in ornithology and in the geographical distribution of animals; 10 Aug.

MAX BARSHAK, Bronx, N.Y.; 67; former instructor of medicine at New York University and later at Bellevue Medical College; 4 Aug.

JOHN BOGERT, Southampton, N.Y.; 97; naval architect and marine engineer; associate editor of *The Marine Journal;* 11 Aug.

TOBIAS DANTZIG, Los Angeles, Calif.; 72; retired professor of mathematics who had been a member of the staff at Indiana University, Columbia University, Johns Hopkins University, and the University of Maryland; author of several books; 11 Aug.

ERNEST H. FALCONER, Los Gatos, Calif.; 73; professor emeritus of clinical medicine at the University of California; 11 Aug.

EARL V. FARRAR, Ridgewood, N.J.; 53; chief engineer of the Wright Aeronautical Division of the Curtiss-Wright Corporation of Woodridge; 11 Aug.

FORD KURTZ, Hollis, New York; 71; specialist in hydraulic engineering; president of J. G. White Engineering Corporation; 9 Aug.

SOPHIE SPITZ, New York, N.Y.; 46; director of the pathology department of the New York Infirmary and assistant professor of pathology at the Sloan-Kettering Division of Cornell University Medical College; 10 Aug.

MICHAEL H. TEITELBAUM, Mount Vernon, N.Y.; 58; neuropsychiatrist at the Neurological Institute of New York; 10 Aug.

WILLIAM H. WHITCOMB, Cranston, R.I.; former head of the chemistry department at Miami University, Oxford, Ohio; 9 Aug.

OSCAR R. WIKANDER, Pittsburgh, Pa.; 79; consulting engineer; 12 Aug.

WALTER J. WOHLENBERG, New Haven, Conn.; 68; former dean of the Yale University School of Engineering and Sterling professor of mechanical engineering; 8 Aug.

JOHN F. WOLFF, JR., Jenkintown, Pa.; 60; consulting engineer; 3 Aug.

GEZA ZEMPLÉN, Budapest, Hungary; 73; authority on carbohydrate chemistry; 24 July.

Education

■ The Department of Health, Education, and Welfare has announced that more than 500 United States and foreign teachers will participate in the 1956–57 exchange program arranged by the U.S. Office of Education. One hundred American teachers who will exchange teaching jobs with 100 teachers of the United Kingdom departed on 4 Aug. for Great Britain; the British teachers arrived in the United States 14 Aug.

Another 56 American teachers will interchange with an equal number of teachers from Australia, Austria, Belgium, Canada, France, Germany, Italy, the Netherlands, New Zealand, and Norway. Teachers from these countries arrived during the period 11–20 Aug. In addition, 103 U.S. teachers are scheduled to go late in August and early September to other countries to teach on one-way assignments. Sixteen foreign teachers will be in American classrooms under the same arrangement. At present, 71 U.S. teachers are attending summer seminars in France, Germany, and Italy.

■ The Ford Foundation has granted $3.5 million to the Institute of International Education. The grant will be allocated in equal installments during the next 10 years in support of the institute's work in its field, and especially in support of its part in the international exchange of persons. The institute has also received grants of $1.5 million from the Carnegie Foundation for a 10-year period and

$250,000 for a 5-year period from the Rockefeller Foundation in support of the same program. During the current year the institute is administering programs of exchange involving over 4500 people.

■ Argonne National Laboratory has scheduled a second summer institute in nuclear training for faculty members from engineering colleges. The first Argonne school had a capacity of 60, and more than 160 qualified applications and nominations were received from 37 institutions in 28 states.

The supplementary institute will be conducted at Brookhaven National Laboratory, Upton, N.Y. Sponsored jointly by the Atomic Energy Commission, the National Science Foundation, and the American Society for Engineering Education, the Brookhaven program will accommodate 30 additional candidates. They have been chosen from 22 institutions in 15 states. The basic aim of both programs is to expand the number and scope of engineering course offerings in atomic and nuclear fields.

■ Johns Hopkins University has announced that the field laboratory of the Chesapeake Bay Institute will be moved from St. Margaret's, Md., in the fall. The laboratory has investigated the physical and chemical properties of Chesapeake Bay for the past 7 years. The research projects will be moved to the university in Baltimore and to a small institution in Annapolis, Md.

■ During spring and summer recesses, high-school students in Port Washington, N.Y., have engaged in cancer research experiments at the Waldemar Laboratories, Port Washington. The work with the laboratories has so increased student interest in science that this fall there will be ten elective biology classes at Port Washington High School in contrast to the six of last year.

■ A graduate program in physics will be initiated this fall at St. John's University's Graduate School, Jamaica, N.Y. The new department, which is headed by S. Nevil Milford, will offer courses in pure physics leading to the master of science degree, and a program in applied physics designed to serve the educational and technological needs of employees of local industry.

Grants, Fellowships, and Awards

■ A senior research fellowship program that is administered by the National Institutes of Health is now in operation. During the first year, this program will provide for a total of 40 to 50 awards to the nation's medical schools, dental schools, and schools of public health. These awards will be increased by a like number each year for 5 years until a total of 200 to 250 such fellowships are awarded annually.

The awards will be for a maximum of $10,000 a year and may be retained for as long as 5 years. Only three applications may be made per year by each school. The program is designed to attract and hold able investigators in the preclinical sciences. Requests for information concerning this program should be addressed to the Chief, Research Fellowship Program, Division of Research Grants, National Institutes of Health, Bethesda 14, Md.

■ The $30 million for each of 3 years recently allocated to the Public Health Service under the Health Research Facilities Act of 1956 [*Science* **124**, 297 (17 Aug.)] is now available and will remain available until it is expended. The funds are for the sciences related to health and are to be provided in the form of grants that will be made on a matching basis to public and nonprofit institutions, with the Government paying no more than 50 percent. Application forms, as well as additional information, will be supplied upon request to the Division of Research Grants, National Institutes of Health, Bethesda 14, Md.

■ The Lederle medical faculty awards of the Lederle Laboratories Division of American Cyanamid Company are made to assist able men and women who are contemplating careers in the preclinical departments of medical schools. The program provides financial aid for a limited period to young individuals who have demonstrated capacities both as teachers and investigators in the fields of anatomy, biochemistry, microbiology, pathology, pharmacology, and physiology, in order to help accelerate their development and to encourage them to remain in these disciplines.

The awards are designed for persons who have progressed beyond the stage of development which is now encompassed by postdoctoral fellowships. Candidates must hold faculty rank, such as instructor or assistant professor, and should be persons who give promise of staying on to continue teaching and research within the disciplines indicated. Those chosen for the awards are to have full privileges and responsibilities for teaching and research as regular faculty members in the sponsoring department.

Nominations for Lederle medical faculty awards should be submitted to the award committee through the office of the dean of the medical school and should be endorsed by him. Only one candidate from each school will be considered in any given year. Nominations for awards to be activated during 1957–58 must be received *before 31 Oct.* Address all communications to: Lederle Medical Faculty Awards, Office of the Secretary, Pearl River, N.Y.

■ The Damon Runyon Memorial Fund has passed the $10-million mark in cancer research grants with this summer's allocation of $314,300 for institutional studies and fellowships. The current disbursements bring the amount distributed by the Runyon Fund since its creation in 1946 to $10,242,479. No funds have been deducted for administrative expenses, and the money has been allocated in 679 grants and 353 fellowships in 217 institutions in every state, the District of Columbia and 17 foreign countries.

In the Laboratories

■ Information for Industry, Inc., Washington, D.C., which first offered subscriptions to its chemical patent index last year, has announced the availability of its Uniterm index for electronics patents. The Uniterm system was devel oped by Mortimer Taube, formerly chief of the Atomic Energy Commission's technical information service, to help the Government record the large volume of literature from wartime research projects. Taube is now president of Documentation, Inc., for which Information for Industry is marketing the Uniterm service.

The new electronics index, which has been completed for 1955, will be issued quarterly beginning in 1957. Some 3000 patents that contain 40,000 references are recorded in the single small volume that covers 1955. Using this volume, it is possible to conduct a patent search in a matter of minutes on, for example, radiation sensitive glass.

By reducing complex subjects to basic words and handling them as digits, Uniterm eliminates complicated vocabulary. The vocabularies for most fields can be reduced to from 3000 to 4000 key words, and the Uniterm people hope that their system will help establish standardized glossaries of terms in the disciplines to which it is applied.

■ The Atomic Energy Commission has approved construction of a prototype reactor plant to power a small submarine. The reactor will be built at the Nuclear Engineering and Development Laboratory being established near Windsor, Conn., by Combustion Engineering, Inc., of New York. The estimated cost of construction, which will begin soon, is about $10 million.