

WILLIAM R. HAWTHORNE has been appointed to the new faculty post of Jerome Clarke Hunsaker professor of aeronautical engineering at Massachusetts Institute of Technology for the current academic year. Hawthorne is on leave from Cambridge University, England, where he holds the Hopkinson and Imperial Chemical Industries professorship in applied thermodynamics. His principal interests are aircraft propulsion and advanced fluid mechanics; at M.I.T. Hawthorne will divide his teaching efforts in these fields between the departments of mechanical and aeronautical engineering.

VINCENT DU VIGNEAUD, professor of biochemistry at Cornell University Medical College, is to receive the Chandler medal from Columbia University in recognition of his contributions to the knowledge of biochemistry, his most recent achievement being the first synthesis of certain polypeptide hormones. The medal will be presented during a dinner-meeting at the Men's Faculty Club of Columbia on 9 Nov., when du Vigneaud will discuss the "Isolation and proof of structure of the vasopressins and the synthesis of octapeptide amides with pressor-antidiuretic activity."

ALBERT CAROZZI of the University of Geneva, Switzerland, is visiting lecturer in geology at the University of Illinois for the current academic year. He is teaching an undergraduate course in structural geology and a graduate course in tectonics.

MURIEL E. WARNER, former director of the American Medical Association microbiological laboratory, has recently joined the staff of Foster D. Snell, Inc., New York, consulting chemists, engineers and biologists. The firm plans to extend its services in the microbiological and pharmaceutical fields, especially in production control, process and product development, stability tests, legal problems, and assignments involving the various regulatory bodies.

ALBERT H. COOPER, professor of chemical engineering at the University of Maryland, has been named chairman of the department of chemical engineering at Pratt Institute. Cooper is also manager of the Pilot Engineering Co. and vice president and technical director of Chemchron Corp.

HENRY C. SMITH, associate professor of psychology at Michigan State University, has been granted a Fulbright award for 1955-56 to engage in research in industrial psychology at Società Umanitaria, Milan, Italy.

FREDERICK L. STONE, assistant for professional services to the vice chancellor, School of the Health Professions, University of Pittsburgh, and a member of the executive committee of the medical advisory board of the National Multiple Sclerosis Society, has been appointed director of the society's medical and scientific department. His primary responsibility will be to develop expanded research and medical programs; he will also administer all research grants and fellowships.

MELSON BARFIELD-CARTER of the radiology department of Alabama Medical Center, and **JAMES R. GARBER**, of the department of obstetrics, retired on 1 Aug. Both men had served since 1945 as chairmen of their respective departments.

ROGER H. CHARLIER of Chester, N.J., president of the New Jersey Academy of Science, has been appointed special lecturer in geology and physical geography at Hofstra College.

WALTER H. ZIMPFER, of the civil engineering staff of the University of Florida, has been granted a 1-year leave of absence to serve as assistant in the University Relations Division of the Oak Ridge Institute of Nuclear Studies. He succeeds **WADE T. BATSON**, who has resumed his post as associate professor of biology at the University of South Carolina.

SIMON RODBARD, former assistant director of the Medical Research Institute at Michael Reese Hospital, Chicago, Ill., has been appointed professor of experimental medicine at the University of Buffalo and director of its Chronic Disease Research Institute. He will conduct an intensive program of research and training in the cardiovascular field.

Necrology

RICHARD R. DEIMEL, Englewood, N.J.; 74; retired head of the mechanical engineering department of Stevens Institute of Technology; 28 Sept.

THOMAS MACKIE, Westport, Conn.; 60; tropical disease specialist, former professor at Columbia University, Cornell University, and Bowman-Grey School of Medicine; consultant in tropical medicine to the Secretary of War during World War II; 5 Oct.

KARL PAECH, Tübingen, Germany; 46; botanist and plant chemist, professor at the University of Tübingen; 28 July.

REV. LOUIS B. SNIDER, Chicago, Ill.; 42; psychologist, professor at Loyola University; 28 Sept.

ZATAE L. STRAW, Manchester, N.H.; 89; physician, first woman graduate of Dickinson College; 1 Oct.

LOUIS L. THURSTONE, Chapel Hill, N.C.; 68; retired professor of psychology at the University of Chicago and a member of the staff there for 28 years; president of the American Psychological Association in 1932; 29 Sept.

Education

■ University of California Extension is offering a course in aviation medicine this fall. The course, which is open to graduates of approved medical schools, will meet 26, 27, and 28 Oct. in the Religious Conference Building adjoining the university's Los Angeles campus. In addition to lectures by authorities on such subjects as aviation toxicology, psychology, and otolaryngology, the course will include a field trip to the Lockheed Aircraft Corporation in Burbank, Calif.

■ A research building designed for studies of the Khapra beetle, a serious pest of stored food products, will be constructed shortly on the Riverside campus of the University of California. The new structure will provide isolated facilities that will permit entomologists to observe the beetle without any danger of contaminating other buildings.

Facilities will include rooms for raising mass cultures of the pest, laboratories for checking the effectiveness of various control techniques, fumigation chambers, and equipment for formulating the many insecticides that will be tested. Experiments will be directed by David L. Lindgren and Glenn E. Carman.

■ The department of dentistry and division of dental research of the University of Rochester School of Medicine and Dentistry celebrated its 25th anniversary on 8 Oct. Day-long scientific sessions brought together a majority of the 58 former dental research fellows at the Rochester Medical Center, many of whom have since become deans, professors, and research directors in many parts of this country and abroad. The celebration was dedicated to George H. Whipple, emeritus dean of the School of Medicine and Dentistry and emeritus professor of pathology, who originated the dental research program.

About 20 reports were given describing new developments in dental research and education. Among the participants in the sessions in Whipple Auditorium were Alan Gregg, vice president of the Rockefeller Foundation, and A. LeRoy Johnson, emeritus dean of Harvard Dental School. They, as well as Whipple, spoke on the early history of the dental research and training program, which was begun and supported for 5 years by a substantial grant from the Rockefeller Foundation.

■ The Edward S. Harkness Memorial Hall was dedicated on 7 Oct. at Yale University. The 11-story building, which cost \$2.75 million, will be a residential center for 266 medical students. Donald P. Shedd, assistant professor of surgery, has been named resident faculty member.

Grants, Fellowships, and Awards

■ During the next few months, college seniors and graduate science students throughout the United States will compete for more than 750 National Science Foundation fellowship awards for a year of graduate scientific study during the academic year 1956-57. Applications for the 1956-57 NSF fellowship program may be obtained from the Fellowship Office, National Research Council, Washington 25, D.C.

The closing dates for receipt of applications are 19 Dec. for postdoctoral applicants and 3 Jan. 1956 for graduate students working toward advanced degrees in science. The selections will be announced on 15 Mar. 1956. These fellowships are awarded to American citizens who will begin, or continue, their studies at the graduate level in the mathematical, physical, biological, medical, engineering, and other sciences during the 1956-57 academic year.

For the first time this year, the foundation will award fellowships in fields of convergence between the natural sciences and the social sciences. Approximately 20 fellowships will be awarded in such overlapping areas as mathematical economics, demography, information and communication theory, and the history and philosophy of science.

Selections will be made solely on the basis of ability. The majority of the fellowships will go to graduate students seeking master's or doctor's degrees in science, although about 80 awards will be made to postdoctoral applicants. Graduating college seniors in the sciences who desire to enter graduate school are encouraged to apply for the awards.

The rating system for selection of predoctoral fellows will be based on: (i) test scores of scientific aptitude and achievement; (ii) academic records; (iii) written evaluations of each individual from his faculty advisers and other qualified observers. Postdoctoral applicants will not be required to take the examinations. Applicants will be rated by special fellowship panels established by the National Research Council. Final selection will be made by the National Science Foundation.

Stipends vary with the academic status of the fellows. First-year fellows—students entering graduate school for the

first time or those who have had less than 1 year of graduate study—will receive annual stipends of \$1400. Fellows who need one final academic year of training for the doctor's degree will receive annual stipends of \$1800. Fellows between these groups will receive stipends at the rate of \$1600 annually. The stipends for postdoctoral Fellows will be \$3400 per year. Dependency allowances will be made to all married fellows. Tuition and laboratory fees and limited travel allowances will also be provided. Fellows may attend any accredited non-profit institution of higher education in the United States or similar institutions abroad.

In 1952-53, the first year of the foundation's fellowship program, 624 candidates were chosen from approximately 3000 applicants. Last year 785 selections were made out of 3389 applicants, and about 1400 persons were named on an honorable mention list, which was made available to deans of graduate schools.

■ Two new fellowships have been established at Johns Hopkins University. These will permit staff members of the Hopkins Applied Physics Laboratory in Silver Spring, Md., to spend a year in one of the university's Baltimore divisions.

Those selected will be appointed William S. Parsons fellows; the fellowships are named in memory of a naval officer and scientist "who, through his understanding and encouragement of new technological advances made a lasting contribution to the military preparedness of this country and to the program of the Applied Physics Laboratory."

■ As one phase of its continuing aid to education, the Ethyl Corporation has announced the award of 19 graduate research fellowships in chemistry, chemical engineering, and mechanical engineering for the 1955-56 academic year. Total value of the awards is approximately \$45,000.

Each fellowship provides the recipient with \$1500 for living expenses and an allowance for tuition and fees. In addition, the college department concerned receives \$500 for expenses in connection with the fellow's research work. The corporation has awarded fellowships at colleges and universities throughout the country annually since 1937.

■ The Division of Medical Sciences, National Academy of Sciences-National Research Council, 2101 Constitution Ave., Washington 25, D.C., is accepting applications for grants-in-aid of research in three specialized fields:

The Committee on Problems of Alcohol has available a limited fund for the support of grants. The committee is in-

terested in fostering research, primarily on the physiological, biochemical, and pharmacological effects of alcohol. Applications for the fiscal year 1956-57 should be postmarked *not later than 15 Jan. 1956*.

The Committee for Research in Problems of Sex is concerned with encouraging research, primarily on the mechanisms controlling sexual behavior in animals and man. Proposals involving endocrinological, neurological, psychological, anthropological, phylogenetic, and genetic studies directed toward this objective are therefore invited. Requests will also be considered that deal with the physiology of reproduction or with related biological and biochemical fields. Applications for the fiscal year 1956-57 should be postmarked *on or before 1 Feb. 1956*.

The Committee on Drug Addiction and Narcotics may have available for the coming year limited resources for the support of research in the fields of analgesia and addiction. The committee also invites information on basic research being carried on in these fields, in order that it may extend its activities as a center for the exchange of information on current investigations in this area.

■ At a recent meeting of the Ohio State University's board of trustees, 22 contracts totaling \$624,538.84 for research projects supported by Government and industry were reported. Most of the research agreements, which are administered by the Ohio State University Research Foundation, represented continuations of projects already under way.

Largest of the studies, with a contract for \$161,802 with the Air Research and Development Command, Baltimore, Md., called for further research by the department of chemistry on oxidation of hydrocarbons. Another contract, for \$92,000, continued studies in the department of psychology on "human engineering of air traffic control systems" for the Wright Air Development Center, Wright-Patterson Air Force Base, Dayton, Ohio.

■ The Chaim Weizmann memorial fellowships have been announced. These are tenable at the Weizmann Institute of Science, Rehovoth, Israel. The work of the institute is chiefly devoted to fundamental research in the exact sciences. Awards will be made to scientists who have done meritorious postdoctoral research.

The stipend, including fare, for an unmarried fellow coming from Europe will be \$3500 (\$4000 from the United States or Far East). The stipend, including fare, for a married fellow bringing his family from Europe will be