SVEN SØYN, director of the Norwegian Geological Survey, recently visited the U.S. Geological Survey office in Washington, D.C.

BERNARD SALZBERG has been appointed chief scientist in the research and engineering division of the Airborne Instruments Laboratory, Mineola, N.Y. Salzberg, who for 15 years was a consultant and associate superintendent of the electronics division of the Naval Research Laboratory in Washington, D.C., is known for his work in the development of Acorn tubes, the first tubes ever designed capable of working at very high frequencies.

GEORGE F. LUNGER has resigned as senior analyst on the Ford Motor Company quality control staff to accept a position as mathematician in the advanced applications section of the Univac Division of the Sperry Rand Corporation, St. Paul, Minn.

HENRY K. BEECHER, Dorr professor of research and anesthesia at the Harvard Medical School, will deliver the 19th annual Louis Gross memorial lecture of the Montreal Clinical Society on 1 Nov. at the Jewish General Hospital, Montreal, Canada. He will discuss new work on pain and pain-relieving agents.

A. JAMES FRENCH has been appointed chairman of the department of pathology at the University of Michigan Medical School. He succeeds CARL WELLER, who retired on 1 July after having served as chairman of the department since 1931. French is professor of pathology and has been at the university since he completed a residency at the University Hospital in 1940. He is chief of Clinical Laboratories at University Hospital and editor of the *University of Michigan Medical Bulletin*.

Maj. Gen. EMERSON C. ITSCHNER has been sworn in as the Army's 40th chief of engineers. He succeeds Lieut. Gen. SAMUEL STURGIS, who is retiring.

J. MORLEY ENGLISH, associate professor of engineering at the University of California, Los Angeles, is on leave to organize Harvey Aluminum Structures, a division of the Harvey Machine Company, Inc., Torrance, Calif.

HARVARD L. HULL has been named vice president of Litton Industries, Beverly Hills, Calif. He resigned his post as president of the Farnsworth Electronics Company, a division of the International Telephone and Telegraph Corporation, on 30 Sept.

WARREN R. FERRIS, head of the radio astronomy branch at the Naval Research Laboratory, Washington, D.C., has resigned to accept appointment as professor of electrical engineering at the University of South Carolina. He is succeeded by EDWARD F. McCLAIN, who has been head of the microwave spectroscopy section of the NRL radio astronomy branch.

ARTHUR CODE, formerly an assistant professor of astronomy at the University of Wisconsin, has been appointed an associate professor at the California Institute of Technology. Another appointment to associate professor at C.I.T. is that of ROBERT FINN, who has been serving as an assistant professor of mathematics at the University of Southern California.

J. LOGAN IRVIN, associate professor of biochemistry at the University of North Carolina School of Medicine, has recently completed 9 months of research, supported by a Guggenheim fellowship, at the National Institutes of Health in Bethesda, Md., where he investigated the biosynthesis of proteins and nucleic acids.

FREDERICK SPERLING, pharmacologist-in-charge of the pharmacological and rodenticide laboratory of the pesticide regulation section of the U.S. Department of Agriculture, has resigned his position in order to establish the Sperling Laboratories in Arlington, Va., which will be devoted to toxicological, pharmacological, and physiological testing and research.

New appointments to the physics, mathematics, and engineering faculties of the University of Pennsylvania are as follows.

KEITH A. BRUECKNER of the Brookhaven National Laboratory, Mary Amanda Wood professor of physics.

HSUAN YEH of Johns Hopkins University, professor of mechanical engineering.

ORHAN H. ALISBAH of the University of Ankara, and PETER SCHERK of the University of Saskatchewan, visiting professors of mathematics.

LEE C. EAGLETON of the Rohm and Haas Company, and R. WAYNE HOUSTON of the University of New Hampshire, associate professors of chemical engineering.

NEV A. GOKCEN of the Michigan College of Mines and Technology, associate professor of metallurgical engineering.

DOUGLAS E. MODE of the Burroughs Corporation Research Laboratory, associate professor of electrical engineering.

WILLEM LASTHUYSEN, formerly chief chemist at Dodge and Olcott, Inc., has joined the perfumery and essential oils division of the research and development department of the Colgate-Palmolive Company, Jersey City, N.J.

WILLIAM E. FRYE, who has been engaged in aircraft navigation and ballistic missile guidance research for the Rand Corporation in Santa Monica, Calif., has joined the staff of the Lockheed Missile Systems Division research laboratories in Palo Alto, Calif.

RICHARD W. VILTER of the University of Cincinnati College of Medicine has been appointed to the Gordon and Helen Hughes Taylor professorship of medicine and director of the college's department of internal medicine. He succeeds MARION A. BLANKENHORN, who has retired after having held this dual post since 1935.

EDWARD WENK, JR., has been named chairman of the department of engineering mechanics at Southwest Research Institute, San Antonio, Tex. A specialist in stress analysis, naval architecture, and building design and construction, he was formerly head of the structures division at the David Taylor Model Basin, Washington, D.C.

Education

■ Fifteen industrial firms and government agencies have pledged a total of nearly $100,000 to Purdue University for a 3-year research program on extending the use and value of electronic computers. Basic research on computers from both the numerical and engineering standpoints will be performed within the program. Project director is Paul Brock, director of Purdue's computer laboratory. Engineering director is John R. Clark, associate professor of electrical engineering.

■ Checks totaling $515,000 have been mailed to 556 Merit Scholars and to the colleges they are attending. Sponsors for these freshmen are 23 business organizations and the National Merit Scholarship Corporation, which last season conducted the largest private scholarship competition in this country's history. Some 11,000 high schools entered nearly 60,000 of their best representatives in the competition, and winners come from every state.

Seniors at 13,000 high schools are expected to enter the 1957 competition. The first screening examination is on 24 Oct. Interested students should see their principals for details.

The nonprofit National Merit Scholarship Corporation was established in 1955

with initial grants that totaled $20.5 million. It is underwritten for a 10-year period. Besides providing some $2 million per year in scholarship awards, the Merit program is used by many companies who grant Merit Scholarships of their own.

The Merit Scholars are free to select any accredited college or university, and choose any course of study. Harvard is the most popular among the Merit Scholars, followed by Massachusetts Institute of Technology. Of this year's group, engineering and the physical science courses will claim 68 percent of the boys and 13 percent of the girls. Eighteen percent of the boys plan to major in physics, the most popular of the physical sciences. Of the 556 winners, 72 percent are boys and 28 percent girls.

■ An 8-week conference to improve the teaching of biology in high schools and colleges will be held at Michigan State University next summer. Twenty outstanding high-school biology teachers in the United States and 10 college and university biology professors will be invited to participate in the conference, which is being made possible through a $37,000 grant by the National Science Foundation. Chester A. Lawson, head of the department of natural science, will conduct the program.

During the summer, the teachers will attempt to develop a laboratory manual for use in high school—a manual of exercises that can be adapted to the needs of schools throughout the country. Two preliminary meetings to set up an outline for the summer will be held at Michigan State this year, with the first one scheduled for the Thanksgiving weekend.

■ In fulfillment of terms of a bequest of more than $9 million from the estate of the late Ralph Hochstetter of Buffalo, N.Y., four groups of postdoctoral research fellowships to be awarded to graduates of approved medical schools have been established at the University of Rochester School of Medicine and Dentistry. In his will Hochstetter, president of the Cliff Petroleum Company, provided that oil and gasoline royalties and other securities be divided equally between the medical schools of the University of Rochester and the University of Buffalo.

The new funds for Rochester make it possible for the school to conduct its research on a long-range basis. Much of the current medical research is financed by the government in the form of annual grants, which may be terminated at any time. The fellowships, to be named Bertha H. Buswell and Dr. Henry C. Buswell fellowships in memory of Hochstetter's late sister and her late husband, will permit recipients to pursue research in any of the several departments of the medical school. The awards have been divided into the following categories: Buswell junior fellowships, Buswell senior fellowships, Buswell faculty fellowships, and Buswell distinguished service fellowships.

■ A new division of sponsored research has been established at the Massachusetts Institute of Technology. It takes the place of both the division of industrial cooperation and the division of defense laboratories. Research at M.I.T. is largely sponsored either by private enterprise or by government agencies. Privately supported research and a substantial proportion of the Government sponsored research, other than the defense work performed for the Department of Defense, is an essential part of the educational program at M.I.T. and is conducted under the direction of the faculty in the campus laboratories. The administrative services for this work have in the past been provided by the division of industrial cooperation.

Research for the Department of Defense, on the other hand, is generally conducted in laboratories that are independent of the academic departments. Such work has been administered by the division of defense laboratories. Now, however, the new division of sponsored research has taken over policy guidance and general administration for both types of research.

F. Leroy Foster, who was director of the division of industrial cooperation, has been appointed director of the new division, and James M. West, an assistant in the division of defense laboratories, has been made associate director.

Henry W. Fitzpatrick, formerly director of the division of defense laboratories, has become assistant director for administration of the Lincoln Laboratory, the largest of the M.I.T. defense laboratories. Lawrence E. Beckley, who has been assistant director of the division of industrial cooperation, is now associate director for administration of the instrumentation laboratory.

■ A $440,000 physics lecture building is to be erected at Stanford University with funds provided by the university's royalties on the klystron. Construction will begin next month.

Grants, Fellowships, and Awards

■ The U.S. Public Health Service's National Institute of Neurological Diseases and Blindness has announced that funds are being made available to medical schools to strengthen existing clinical programs in advanced training in ophthalmological and otological diseases. The purpose is to stimulate the interest of more young physicians and scientists in careers as teachers and investigators in this field.

Training grants also are available to basic science departments to expand postdoctoral training programs in the neurological sciences. Further information, together with application forms, may be obtained from the Chief, Extramural Programs, National Institute of Neurological Diseases and Blindness, National Institutes of Health, Bethesda 14, Md.

■ The Engineering Foundation, New York, will be able to support an expanded research program with the income from a bequest for the benefit of the foundation to United Engineering Trustees, Inc., custodian of the foundation's funds. Some $425,000 is being made available from the estate of the late Edwin H. McHenry, civil engineer and railroad executive of Ardmore, Pa., who died in 1931.

In his will McHenry provided that upon the death of the last beneficiary his entire estate should go to United Engineering Trustees, Inc., which is empowered to pay the net income from it to the Engineering Foundation for a period of 30 years. The will stipulates that the gift "constitute and be kept as a special trust fund for the furtherance of research in science and engineering" and that it be dedicated to the memory of his wife, Blanche H. McHenry. At the expiration of the 30-year period the principal of the fund held by United Engineering Trustees, Inc., may also be applied to Engineering Foundation research projects. At present the foundation administers the income from a $1.5 million fund dedicated to engineering research.

■ The Southern Fellowships Fund, acting for the Council of Southern Universities, Inc., and with funds granted to the council by the General Education Board, is offering a program of fellowship awards and grants-in-aid for advanced study and research to qualified persons in institutions of higher education in the following states: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. The primary purpose of the program is the advancement of teaching and scholarship in colleges and universities in the southern area.

Fellowship awards will be made for advanced study and research, leading to the Ph.D. or a similar high degree, primarily in the basic biological and physical sciences, the social sciences, or the humanities. Preference will be given to