

WOLFGANG FINKELNBURG, physicist at Siemens-Schuckertwerke AG., Erlangen, Bavaria, Germany, will participate in the High Temperature Symposium that is to be held at the University of California, Berkeley, 25-27 June. The symposium, which has as its theme "High temperature—a tool for the future," is being sponsored jointly by the university and the Stanford Research Institute. The U.S. Army Office of Ordnance Research is sponsoring Finkelburg's trip.

JOSEPH B. PLATT, chairman of the physics department at the University of Rochester, has been named president of Harvey Mudd College, Claremont, Calif. He will assume direction of the new college of science and engineering on 1 Sept. Incorporated last December, Harvey Mudd College will enroll its first class in September 1957.

Recent Deaths

WARD C. BOWEN, Elmsmere, N.Y.; 64; geologist; director of visual education for the New York State Education Department; 22 May.

WILHELM B. BRONANDER, SR., Montclair, N.J.; 68; mechanical engineer; president of Scandia Manufacturing Company; 18 May.

ROBERT W. BUZZARD, Washington, D.C.; 52; project leader in the metallurgy division of the National Bureau of Standards; 3 May.

WILLIAM FOSHAG, Westmoreland Hills, Md.; 62; head curator of the department of geology at the Smithsonian Institution; specialist in gems; 21 May.

FRED GREGG, Washington, D.C.; 89; former teacher of natural sciences at Wayne State Teachers College, Peru Teachers College, and Nebraska Wesleyan University; 21 May.

MARTHA M. KENNERLY, Tucson, Ariz., and White Post, Va.; 83; retired assistant professor of biology at Hunter College; 22 May.

J. R. NELSON, Arlington, Mass.; 56; authority on vacuum tubes; director of work on transistor applications for the Raytheon Manufacturing Company; 18 May.

THOMAS A. C. RENNIE, New York, N.Y.; 52; professor of social psychiatry at Cornell University Medical College; 21 May.

FREDERICK P. REYNOLDS, Santa Barbara, Calif.; 88; former executive secretary of the committee on medical education of the New York Academy of Medicine; army officer during World War I and later professor of military hygiene at the U.S. Military Academy; 18 May.

NATHANIEL McL. SAGE, Brook-

line, Mass.; 66; civil engineer; director of the office of sponsored research and placement officer at Massachusetts Institute of Technology; 14 May.

Education

■ Stanford University has appropriated \$45,000 for additional office and shop space in a new wing that is to be added to the Microwave Laboratory, one of the two buildings that make up the W. W. Hansen Laboratories of Physics. The wing will free space in the High-Energy Physics Laboratory, where the 220-foot Mark III linear accelerator is located.

After other plans for remodeling the accelerator are completed, the extra space will be used to add 40 feet to its length. These changes are expected to increase the machine's output of energy by at least 200 mev.

Previously announced plans for expansion of the Microwave Laboratory called for a \$160,000 addition; the revised plans raise the amount for new construction to \$205,000. The new wing will nearly double the present size of the laboratory, which was built in 1954 at a cost of \$200,000.

■ The University of Texas Medical Branch, Galveston, has announced a 5-year, \$250,000 research project in muscular dystrophy that is being sponsored jointly by the university and the National Muscular Dystrophy Research Foundation. The Medical Branch also has announced that it plans to establish a muscular dystrophy clinic, the first in that part of the United States.

■ The establishment of a laboratory for research in parapsychology at St. Joseph's College (Philadelphia), has been made possible by a grant from the Parapsychology Foundation in New York to Carroll B. Nash, professor of biology at St. Joseph's. The laboratory, which will be headed by Nash, will deal with phenomena of extrasensory perception. The only other such laboratory in this country was opened in the early 1930's at Duke University.

Grants, Fellowships, and Awards

■ The American College Health Association has announced that Continental Casualty Company has established grants in support of promising research in student medicine. The purpose of these grants is to encourage investigation that will promote the physical and mental health of college students and benefit student medical practices.

Two grants of \$500 will be made annually: one grant will be awarded to

support research in a college of less than 2000 enrollment, and one grant will be awarded to a college of more than 2000 enrollment. An award can be used for either clinical or experimental research. The funds can be used as the sole source of support for an exploratory or small-scale study, or they can be used in conjunction with college or other funds to support sections of a large-scale research project.

Recipients will be selected annually by the Committee on Research of the American College Health Association. Member colleges are invited to submit research proposals (6 copies) at any time. Proposals should be mailed to John Summerskill, Student Medical Clinic, Cornell University, Ithaca, N.Y.

■ The Commonwealth Fund has announced the allocation of unrestricted grants totaling \$4,850,000 to seven university medical schools. The awards may be used in whatever ways the schools consider most effective to improve their programs of medical education.

These grants bring to a total of \$12,600,000 the amount of such gifts made by the fund since November 1955. This is in addition to the sums expended for specific medical education projects during 1955-56.

The medical schools that received the grants are the Albany Medical College of Union University, \$500,000; the George Washington University School of Medicine, \$500,000; the University of Pennsylvania School of Medicine, \$500,000; the Boston University School of Medicine, \$600,000; the University of Rochester School of Medicine and Dentistry, \$750,000; the Johns Hopkins University School of Medicine, \$1 million; and the Stanford University School of Medicine, \$1 million.

■ The Glycerine Producers' Association has announced that the fifth annual Glycerine Research awards are now open and that nomination blanks are available. The first award is \$1000 and an honor plaque, the second is \$300, and the third is \$200.

These awards are granted for independent research leading to new and improved applications of glycerine or glycerine derivatives to products or processes. Copies of a bulletin that gives details about the awards may be obtained from the Glycerine Producers' Association, 295 Madison Ave., New York 17, N.Y.

■ The Eastman Kodak Company has announced that it will support 34 predoctoral fellowships in 1956-57 for students working toward degrees in physics, chemistry, or chemical engineering. Grants will be made to 34 colleges and universities in the United States and

Canada; the educational institution will select the fellowship recipient. The cost of these fellowships is more than \$100,000. The fellowship program is part of Kodak's over-all aid-to-education plan, which last year amounted to about \$650,000 and benefited more than 100 educational institutions and organizations.

Each fellowship grant provides at least \$1400 for the recipient; for those who are married and have dependent children, the amount is \$2100. In addition, \$1000 is given to help defray the student's research expenses during the fellowship period. The grant also provides tuition and fees, and funds for the student to attend one professional meeting in his field of study.

■ The Ciba Foundation has announced its 1957 awards program for papers on problems of aging. Not less than five awards, of an average value of £300 each, are available.

Entries will be judged by an international panel of scientists that includes: Prof. C. H. Best (Toronto), Dr. E. Braun-Menendez (Buenos Aires), Prof. E. J. Conway (Dublin), Prof. G. W. Corner (New York), Prof. A. Haddow (London), Prof. V. R. Khanolkar (Bombay), Prof. R. Nicolaysen (Oslo), Dr. A. S. Parkes (London), Prof. F. Verzar (Basle), and Prof. F. G. Young (Cambridge). In making the awards preference will be given to younger workers.

The work submitted should not have been published before 31 May 1956, although it may be under consideration for publication at that date. A paper may be in the candidate's own language. It should not be more than 7000 words in length, and a summary in English not exceeding in words 3 percent of the length of the paper must be attached. If there are coauthors, the name of the leading author should be indicated; it is to him that the award will normally be made, and it will be left to his discretion to share this award appropriately with his colleagues.

Copies of the regulations and application forms must be obtained before an entry is submitted. Entries must be received *not later than 31 Jan. 1957* by the director of the foundation, G. E. W. Wolstenholme, Ciba Foundation, 41 Portland Place, London, W.1, England.

■ The Cranbrook Institute of Science has announced that a 1-year fellowship is available to a scholar seeking an opportunity to work in Michigan in one of the geological or biological sciences or in ethnology. Candidates may be postdoctoral students or persons who have recently retired.

The stipend is \$4500, with limited ad-

ditional research funds and residence. An applicant should submit full credentials and an outline of his proposed program *before 1 July* to: Director, Cranbrook Institute of Science, Bloomfield Hills, Mich.

■ The Ethyl Corporation has announced an expanded program of aid to education, including for the first time the award of graduate fellowships to science teachers and scholarships to undergraduate students. The \$50,000 program is effective with the forthcoming academic year. It provides 18 graduate research fellowships in chemistry, chemical engineering, and mechanical engineering; three graduate fellowships for college and high-school science teachers; and five undergraduate scholarships in chemical and mechanical engineering. The awards will be made to 24 institutions.

The graduate research fellowships, which Ethyl has awarded continuously since 1937, provide each recipient with \$1500 for living expenses and an allowance for tuition and fees. The university department concerned receives \$500 for expenses in connection with the fellow's research work.

The undergraduate scholarships, covering tuition and a part of the student's living expenses, are intended to supplement his own resources and income. Up to \$1200 will be provided to recipients at private institutions. The maximum for those attending tax-supported schools is \$800.

One of the three teacher fellows to be supported will be a member of the science department of a teacher's college or school of education. Under the fellowship, he will attend Columbia University for a year. The other two fellows, both high-school science teachers, will attend workshops this summer at Louisiana State University.

Miscellaneous

■ Cornell University has recorded the voices of 40 insects on a disk that is the ninth in a series of wildlife recordings. The insects are all native to the eastern United States.

■ The American Mosquito Control Association has compiled a list of mosquitoes that bite, of which there are at least 138 different species in North America. One species does not bite human beings but only frogs. The list of mosquitoes was compiled by Harry D. Pratt of the Public Health Service's Communicable Disease Center, Atlanta, Ga.

■ The *Proceedings—Second General Assembly* of the Engineers Joint Council is available for \$1 from the council, 29 W.

39 St., New York, N.Y. The 68-page pamphlet includes a discussion of the Reserve Forces Act of 1955 by representatives of the Selective Service Department of the Department of Defense, and of the findings of the Hoover Commission. It contains not only the formal talks at the EJC general assembly, which was held in New York, 26–27 Jan., but also the questions and discussions from the floor.

■ The National Academy of Sciences–National Research Council has announced the release of *Industrial Research Laboratories of the United States (1956)*, the tenth edition of an annotated directory that has been compiled and published by the NAS–NRC since 1920. The new edition includes information on 4834 laboratories of 4060 companies gathered during the first half of 1955.

The entry for each organization reported shows the names and locations of its laboratories, its principal research executives, the number of professional, technical, and the administrative employees in each laboratory and the kinds of research in which they are engaged. In addition, as an aid in finding individual laboratories or subsidiaries of large companies, an effort has been made to report the entire structure of an organization under its parent company's name with extensive cross-references to component units, subsidiaries, and laboratories.

A simple alphabetic code indicates the types of research services performed by each laboratory, showing whether it undertakes research only for its parent company or sponsor or whether it also does fee or contract research for others, whether it offers consultation or advice, and whether it does testing and analysis. The code also indicates the kind of sponsorship under which each laboratory operates; that is, whether it is owned by a commercial organization, by a nonprofit research institute, by a trade association, or is an independent commercial laboratory. Government and university research and development laboratories are not included.

An index of research activities lists well over 1000 major subject headings. A 10-page index of the geographical location of the laboratories is also included. The usefulness of the directory for reference purposes is further increased by the addition of an edge index to the alphabetic listing of the laboratories.

Industrial Research Laboratories may be purchased from the Academy–Research Council through the Publications Office for \$10 per copy. Discounts are given to all educational and other nonprofit organizations, all local and state governments in the United States, and to all units of the Federal Government.