

in different fields. A study of the effect of crystal orientation of fatigue crack initiation in metal was also completed.

The annual report is composed of five sections: a general review or summary, a résumé of the bureau's research and development work in progress or completed during 1956, a review of the testing and calibration program, a discussion of the bureau's various cooperative activities, and an appendix consisting primarily of statistical and organizational material and a complete list of publications by NBS staff members for the fiscal year.

May Scientific Monthly

Articles appearing in the May issue of *The Scientific Monthly* are "Changing Energy Scene," C. A. Scarlott; "Livestock Parasites and Grass," B. Schwartz and H. H. Vegors; "Global Distribution of Strontium-90 from Nuclear Detonations," M. Eisenbud; "Man's Place in Living Nature," H. J. Muller; "Canalization of the Moselle," W. E. McIntyre. Nine books are reviewed.

Scientists in the News

HERBERT S. GASSER of the Rockefeller Institute of Medical Research will deliver the annual Hughlings Jackson memorial lecture on 15 May at the Montreal Neurological Institute, Montreal, Canada. He will discuss "The properties of unmodulated nerve fibres with afferent function."

ROBERT W. WHITE, chairman of the department of social relations at Harvard University, will deliver a public lecture on 10 May at the New York Academy of Medicine on "Adler and the future of ego psychology." The occasion of the address will be the commemoration of the 20th anniversary of the death of Adler on 28 May 1937.

L. SIMINOVITCH of the Connaught Medical Research Laboratories, University of Toronto, has received the Ross G. Harrison prize of the International Society for Cell Biology. The award consists of a travel grant of \$750 for attendance at the International Congress of Cell Biology.

FRANK J. DIXON, professor of pathology and chairman of the department in the University of Pittsburgh School of Medicine, has been awarded the first national Parke-Davis award in experimental pathology for "his original and meritorious work" in the field. He received the \$1000 prize and a bronze plaque at the recent meeting of the

American Society for Experimental Pathology in Chicago, Ill. The society is the administrator of the award. Dixon won the AAAS Theobald Smith award in 1952.

S. MARSH TENNEY, formerly associate professor of physiology and medicine at the University of Rochester School of Medicine and Dentistry, has been appointed professor of physiology and chairman of the department of physiological science at Dartmouth Medical School. In addition, he is the college's associate dean in charge of research and planning.

ROBERT GOSSELIN, also formerly of Rochester, where he was assistant professor of pharmacology, has been appointed professor of pharmacology at Dartmouth.

PETER HIDNERT, well-known specialist in the field of thermal expansion, retired on 31 Mar. after 45 years of service at the National Bureau of Standards. He has been active in the study and development of low-expanding alloys and thermostatic devices depending on thermal expansion. His studies of the structural changes occurring in metals under varying temperature conditions have been of particular importance in developing high-temperature, high-strength alloys used in jet and rocket engines.

Hidnert joined the NBS staff in 1912 as a laboratory apprentice. He started his work in thermal expansion in 1916 and in 1946 was made chief of the thermal expansion section. Hidnert was awarded his A.B. degree in physics from George Washington University in 1918 and his M.S. degree in 1919. He took his doctorate in physics at American University, where he received his degree in 1931.

DICKINSON W. RICHARDS of Columbia University College of Physicians and Surgeons, who last fall was one of the three winners of the Nobel prize in medicine and physiology, will deliver the fifth annual Dakin memorial lecture at Adelphi College on 8 May.

The new appointments to the staff of the National Science Foundation have been announced: WILLIAM B. COOK will be associated with the Summer Institutes Program in the Division of Scientific Personnel and Education; and ROBERT L. BUTENHOFF has been appointed program director, Scientific Communication Systems, in the Office of Scientific Information.

Cook is on leave of absence from Baylor University, where he has been professor of chemistry since 1953.

Butenhoff will be responsible for co-

ordinating arrangements for United States participation in the Brussels World's Fair—1958. The foundation has been charged with developing and carrying out the American science program to be presented at the fair. Butenhoff has been with the U.S. Atomic Energy Commission since 1949 as chief of the radiation instruments branch of the Division of Biology and Medicine.

I. BERNARD COHEN, associate professor of the history of science and general education at Harvard University, has been awarded the \$500 book prize of the Institute of Early American History and Culture. The prize, given annually for the best book published in the field of early American History, will be presented to Cohen on 4 May at the yearly meeting in Williamsburg, Va., of the institute's council. The institute is devoted to research and publication in early American history and is sponsored jointly by the College of William and Mary and Colonial Williamsburg.

Cohen is being honored for his study on *Franklin and Newton, an Inquiry into Speculative Newtonian Experimental Science and Franklin's Work in Electricity as an Example Thereof*. The work was published this year by the American Philosophical Society as volume 43 of its "Memoirs."

CHARLES G. DODD, formerly of Lehigh University, has been named Halliburton professor of petroleum engineering at the University of Oklahoma.

J. FREDERIC WALKER of the DuPont Company's Electrochemicals Department, Niagara Falls, N.Y., has been selected to receive the 1957 Jacob F. Schoellkopf medal of the Western New York Section of the American Chemical Society. He will be honored for his outstanding contributions to the chemistry of formaldehyde. The medal will be presented at the annual Schoellkopf Award Meeting at the Sheraton Brock Hotel, Niagara Falls, Ont., on 14 May.

Sister MARY JOHN, chief pharmacist at Mercy Hospital, Toledo, Ohio, is the recipient of the 1957 Harvey A. K. Whitney award of the Michigan Society of Hospital Pharmacists. She has been chief pharmacist at Mercy for 17 years.

JAMES B. EVANS, bacteriologist with the American Meat Institute Foundation, Chicago, Ill., for the last 9 years, has been appointed chief of the division of bacteriology. In addition, J. WALTER GIFFEE, formerly assistant chief of the radiation preservation branch of the Quartermaster Food and Container Institute, has joined the foundation as chief of the division of hide research.

Evans succeeds CHARLES F. NIVEN, JR., who was named associate director of research and education last November; Giffie succeeds FRANK L. LEBUEKELAER, former chief of hide research, who has retired and is living in Florida.

IVAN D. BARONOFSKY has been appointed director of the department of surgery at the Mount Sinai Hospital of New York. In February he completed a 2-year tour of duty as chief, Thoracic Surgery Service, Naval Hospital, San Diego, Calif. Before that, he was associate professor of surgery and director of the department of postgraduate surgery, University of Minnesota Medical School; director, postgraduate surgery education, Ancker Hospital, St. Paul; and staff surgeon, University Hospital, Minneapolis.

BUELL W. BEADLE has been appointed manager of the chemistry division at the Midwest Research Institute. He succeeds JOHN T. GOODWIN, JR., who resigned to become technical director of the Corn Industries Research Foundation, Washington, D.C. Beadle was formerly on the staff of the Southwest Research Institute, San Antonio, Tex., where he was chairman of the department of chemistry and chemical engineering. In his new position, he will head a staff of 50 research chemists.

EMERSON DAY, director of the Strang Cancer Prevention Clinic of the Memorial Center for Cancer and Allied Diseases, New York, has received the annual bronze medal of the New York City Cancer Committee of the American Cancer Society "in recognition of his distinguished service in the field of cancer detection and control." Day, who has been vice president and director of the committee since 1950, also is chief of the Division of Preventive Medicine at the Sloan-Kettering Institute.

JOHN BURR, formerly a senior chemist at Oak Ridge National Laboratory, has joined Atomics International, a division of North American Aviation, where he has been named supervisor of the radiation chemistry unit.

ROMAN SMOLUCHOWSKI, professor of physics and metallurgical engineering at Carnegie Institute of Technology, has been invited to give a series of lectures in July at the International Summer School on Solids in Varenna, Italy. Internationally known for his work in solid-state physics and physics of metals, Smoluchowski has been working for more than 5 years on the effects of irradiation in atomic reactors for the U.S. Atomic Energy Commission.

DAVID ATLAS has been selected as Guenter Loeser memorial lecturer for 1957 by the Geophysics Research Directorate, Air Force Cambridge Research Center, Bedford, Mass. Atlas will speak on "Progress and prospects of radar meteorology" on 23 May in the New England Mutual Building, Boston, Mass. The Loeser lecture is given at intervals of 1 year or more by a scientist of the Geophysics Research Directorate who is nominated in recognition of outstanding achievement in research.

GEORGE M. DARROW, founder of research on small fruits in the U.S. Department of Agriculture, retired from the department on 31 Mar. after 46 years of government service. Darrow is widely recognized for his work in originating a number of different high-yielding strawberry varieties and in helping to make possible the commercial production of blueberries in the United States through cross-breeding and selection of wild varieties of this fruit.

He is credited with the development, through his own efforts and in cooperation with state agricultural experiment stations and industry plant breeders, of 23 varieties of strawberries, including 10 that are of current commercial importance. One, the Blakemore strawberry, is now produced on about 30 percent of the commercial acreage in this country. Darrow received USDA's Distinguished Service award in 1954 for his achievements in horticultural research.

He is continuing as a consultant to the Crops Research Division of the USDA Agricultural Research Service. This year he will assist his successor, D. H. SCOTT, in the selection of new and promising varieties of blueberries at the USDA Agricultural Research Center, Beltsville, Md.

Darrow received the A.B. degree in horticulture from Middlebury College in 1910 and his A.M. degree from Cornell University in 1911. He obtained his doctorate at Johns Hopkins University in 1927.

In 1948 he was awarded the Wilder medal for "leadership in the development of small fruit and in the origination of meritorious varieties." He is a past-president of the American Society for Horticultural Science and of the Washington (D.C.) Botanical Society. He has served on the editorial board of the American Genetic Association since 1923.

JOHN A. KING, industrial research chemist, has been appointed director of research for Armour and Company, Chicago, Ill.

THOMAS G. FOX, polymer chemist who is at present in the research department of the Rohm and Haas Company,

Philadelphia, Pa., has been appointed an assistant director of research at the Mellon Institute, Pittsburgh, Pa., effective 1 June. He will head Mellon's polymer research programs.

JOHN A. HRONES, mechanical engineer and director of the Dynamic Analysis and Control Laboratory at Massachusetts Institute of Technology, will join the staff of Case Institute of Technology on 1 July as vice president for academic affairs. The position is a newly created one designed to provide increased coordination of all educational and research activities in the fields of science, engineering, and management.

ROBERT F. SMART, professor of biology and chairman of the division of sciences and mathematics at Richmond College has succeeded the late Raymond B. Pinchbeck as dean of the college.

Recent Deaths

ADAM G. BÖVING, Washington, D.C.; 87; associate of the Smithsonian Institution; former senior entomologist of the Bureau of Entomology and Plant Quarantine, U.S. Department of Agriculture; 16 Mar.

THOMAS M. BRENNAN, Brooklyn, N.Y.; 72; surgeon; formerly professor of operational surgery at the Long Island College of Medicine; 11 Apr.

BRADLEY M. DAVIS, Portland, Ore.; 76; head instructor at the Marine Biological Laboratory; 13 Mar.

FREDERICK B. FLINN, New York, N.Y.; 80; retired physiologist, industrial toxicologist, and associate professor of industrial hygiene at the College of Physicians and Surgeons, Columbia University; 8 Apr.

RANSOM S. HOOKER, Charleston, S.C.; 83; former director of surgery at Bellevue Hospital who also had been associate professor of surgery at the College of Physicians and Surgeons, Columbia University; 11 Apr.

FREDERICK KETTNER, Cleveland, Ohio; 71; founder-president of the Biosophical Institute; 28 Mar.

THORVALD MADSEN, Copenhagen, Denmark; 87; Danish bacteriologist who was director of Denmark's Serum Institute from 1902 to 1940; 15 Apr.

FRANK M. SIMPSON, Lewisburg, Pa.; 84; professor of physics, emeritus, at Bucknell University; 10 Apr.

JOSHUA E. SWEET, Unadilla, N.Y.; 80; retired professor of surgical research at Cornell Medical College; 8 Apr.

JAMES VAUGHN, Cincinnati, Ohio; 59; professor of psychology in the McMicken College of Arts and Sciences at the University of Cincinnati; 10 Apr.