

must repeatedly return to the hospital for further surgery. Since 1896, Grubbe has taught 7000 other physicians how to use x-rays.

### News Briefs

■ Homosexual patterns in our society will be discussed by Margaret Mead, noted anthropologist and AAAS board member, and Max Lerner, author and *New York Post* commentator, on 12 Jan. over WRCA-TV (New York area). This will be the third broadcast on homosexuality by the NBC program series "The Open Mind." The first two were last August, and it is reported that substantial pressure was brought to bear on NBC to cancel the second program because of sensitivity about public discussion of such a subject.

■ The Council for Scientific and Industrial Research, Union of South Africa, has stationed a permanent scientific liaison officer in Germany, thus establishing the third South African Scientific Liaison Office overseas; the other two are in London and Washington. J. P. Van Zyl is the scientific adviser who heads the new office, which is in Cologne.

### Scientists in the News

The American Institute of Mining, Metallurgical and Petroleum Engineers has announced the names of 14 men who will receive awards at the organization's annual meeting in New Orleans, 24-28 Feb.:

ANDREW FLETCHER, president of the St. Joseph Lead Company, Charles F. Rand medal.

RUSSEL B. CAPLES, president of the Anaconda Aluminum Company, James Douglas medal.

JOHN E. BRANTLY of Cocoa, Fla., retired founder of the American Association of Oil Well Drilling Contractors, Anthony F. Lucas medal.

LEO F. REINHARTZ, who recently retired as vice president of the Armco Steel Corporation, Benjamin F. Fairless award.

ANTOME MAR GAUDIN, professor of mineral dressing, Massachusetts Institute of Technology, Robert H. Richards award.

ARTHUR TIX of Bochumer, Germany, works director of Gusstahlwerk Bochumer Verein, A.G., Robert W. Hunt medal.

MOHAMMED MORTADA, senior engineer of the Magnolia Petroleum Company, Rossiter W. Raymond award.

PAUL GORDON of the Institute for the Study of Metals, Chicago, Mathewson medal.

RAYMOND W. SUNDQUIST, as-

sistant division superintendent of blast furnaces, United States Steel Corporation, J. E. Johnson, Jr., award.

JOSEPH L. GILLSON, geologist for E. I. du Pont de Nemours and Company, D. C. Jackling award.

R. C. BELL, senior research engineer, and G. H. TURNER and E. PETERS, research engineers, all of the Consolidated Mining and Smelting Company of Canada, Ltd., Extractive Metallurgy Division award.

LOUIS A. PANEK, mining methods research engineer, U.S. Bureau of Mines, Robert Peele award.

KARL K. DARROW, internationally known author and lecturer on physics, retired from the technical staff of Bell Telephone Laboratories on 30 Nov. after nearly 40 years of service with the Bell Telephone System. He joined the Western Electric Company as a research physicist in 1917 and became a member of Bell Laboratories on its incorporation in 1925. He had previously completed extensive studies in mathematics and physics at the universities of Chicago, Paris, and Berlin. He received the B.S. and Ph.D. degrees from the University of Chicago in 1911 and 1917, respectively.



At Bell Laboratories he has devoted a major portion of his time to the study and interpretation of current and historical scientific information for his colleagues, to keep them informed of developments in fields of science related to their research activities.

As a result of his extensive writing and lecturing, the influence of Darrow's work in interpreting science has extended outside the Bell System. He has published eight books and more than 200 articles. In addition, Darrow has served as visiting professor at the University of Chicago, Columbia University, Smith College, and Stanford University.

He has long been active in the American Physical Society and has been its secretary since 1941. He is also a member of the American Philosophical Society, of which he was a councilor for 4 years. He has been a member of the French Physical Society for many years and served for a term on its council. He is also a member of the Physical Society of London and of the International Union of Pure and Applied Physics, which he served as vice president from 1947 to 1951.

In recognition of Darrow's contributions to science, the University of Lyons in 1949 granted him the honorary degree of doctor of science. In 1951 the French Legion of Honor awarded him its deco-

ration, with the rank of Chevalier, for "services rendered to the international relations of science and to the cultural relations between France and the United States."

After his retirement, Darrow plans to continue his work with the American Physical Society, with frequent intervals of foreign travel. He also intends to continue, through his writings and lectures, to assess and interpret the latest discoveries in the physical sciences.

GEORGE F. REDDISH, chief bacteriologist of the Lambert-Hudnut Division of the Warner-Lambert Pharmaceutical Company, St. Louis, Mo., has received the 1956 achievement award of the Chemical Specialties Manufacturers' Association for outstanding work in the fields of public health, disinfection, and antisepsis.

JOHN B. MACDONALD, formerly chairman of the division of dental research and professor of bacteriology at the University of Toronto, has been named director of the Forsyth Dental Infirmary for Children and professor of oral microbiology in the Harvard School of Dental Medicine. Macdonald's selection is the first joint appointment made by the two institutions since their affiliation in May 1955. Macdonald succeeds the late HOWARD M. MARJERISON as director of the Forsyth Dental Infirmary.

Three appointments to the staff of the John Jay Hopkins Laboratory for Pure and Applied Science (San Diego) have been announced by the General Atomic Division of General Dynamics Corporation: THEODORE B. TAYLOR, a theoretical physicist formerly with Los Alamos Scientific Laboratory; HAROLD A. THOMAS, a physicist who was chief of the Radio Standards Division of the National Bureau of Standards, and LLOYD ZUMWALT, a physical chemist who during the past year was operations vice president of the Nuclear Science and Engineering Corporation.

WILLIAM S. McCANN, chairman of the department of medicine at the University of Rochester School of Medicine and Dentistry since the school was opened in 1925, will become emeritus professor on 1 July 1957. President of the Association of American physicians in 1952, McCann has served as deputy chairman of the Committee on Medical Sciences of the Research and Development Board, Department of Defense; chairman of the American Board of Internal Medicine; member of the Naval Research Advisory Committee and of the Committee on Medicine of the National Research Council; vice

president and member of the council of the American Society for Clinical Investigation; and consultant for the Veterans Administration in Area 1 (New York and New England).

In 1949, the Cornell University Medical School Alumni Association gave him its first annual award of distinction "in recognition of his notable achievements in medical science and education and for his dynamic influence in the art and practice of medicine." In 1950, McCann's past and present students took part in an all-day symposium in his honor celebrating his 24th anniversary as Charles A. Dewey professor of medicine.

McCann is noted for his research on the relation between heart and lung diseases. He pioneered in work on silicosis and has made important contributions to the overcoming of that disease as a major health problem in industry.

In World War II, McCann served with the U.S. Naval Reserve from 1941 to 1944, going on active duty in December 1942 with the rank of commander. He was chief of medicine and later executive officer at the U.S. Naval Hospital at the Naval Operating Base at Norfolk, Va. Subsequently he had 8 months of sea duty aboard the U.S.S. *Refuge*, the Navy's largest hospital ship, as chief of clinical activities. He saw service in the invasion of southern France, and also in North Africa, Italy, England, and Iceland. During these actions, the *Refuge's* medical staff took aboard 2500 wounded, and only two deaths occurred. McCann was promoted to captain in 1944.

McCann graduated from Ohio State University in 1911 and received his M.D. degree at Cornell University Medical School in 1915. His wife, Dr. Gertrude Guild Fisher McCann, who died 15 Nov. 1956, was his classmate. Their daughter, Dr. Elizabeth McCann Adams (who is the wife of Dr. Hugh R. Adams of Cooperstown, N.Y.) and their son, Dr. William P. McCann, also are graduates of Cornell Medical School.

McCann is a fellow of the AAAS, and he holds honorary degrees from Ohio State University and Hobart College.

ORLAN W. BOSTON, professor emeritus of mechanical and production engineering at the University of Michigan, and WILLIAM W. GILBERT, former professor of production engineering, who is now with the General Electric Company, received the Blackall machine tool and gage award of the American Society of Mechanical Engineers during the society's recent annual meeting. They were honored for a technical paper on "Forces and power required to turn aluminum and seven alloys," which they published this year.

CHARLES P. HUTTRER, formerly executive secretary in the Division of Research Grants, National Institutes of Health, Bethesda, Md., has joined the staff of the Cancer Chemotherapy National Service Center, National Cancer Institute, as assistant chief in charge of two sections, one on documentation, information, and publications, and one on program analysis and planning. He will also serve as liaison with the NIH Division of Research Grants.

CRAIG M. CRENSHAW has been appointed chief scientist, Signal Corps Research and Development, U.S. Army. He was formerly director of the Physical Sciences Division, Evans Signal Laboratory, Fort Monmouth, N.J.

ABOLGHASSEM GHAFFARI, professor of mathematics at the University of Teheran (Iran), has joined the applied mathematics division of the National Bureau of Standards. As a member of the mathematical physics section, he will devote his time to studies involving theoretical aspects of fluid dynamics and nonlinear vibrations. His principal areas of research have involved differential equations and fluid dynamics. Ghaffari, who is a member of the Princeton Institute for Advanced Study, has lectured at a number of universities in this country, including Columbia, Harvard, and Princeton and the Massachusetts Institute of Technology.

THOMAS S. BUCHANAN, since 1951 director of research for the International Cooperation Administration's agricultural development program in Liberia, has been appointed assistant chief, Division of Forest Disease Research, Washington office of the U.S. Forest Service. He replaces MARVIN E. FOWLER, who has transferred to the Northeastern Forest Experiment Station at Upper Darby, Pa., to serve as chief, Division of Forest Disease Research.

HARRIS ROSENKRANTZ of the Worcester Foundation for Experimental Biology in Shrewsbury, Mass., has received the 1956 Admiral Ralph Earle award of the Worcester Engineering Society. He was recognized for his work in the development of infrared analytical techniques and interpretation of infrared absorption spectra. Rosenkrantz is the first biochemist to win this award.

FRANK P. GREENSPAN, formerly manager of organic research and development of the Becco Chemical Division, Food Machinery and Chemical Corporation, has been named director of development of the new FMC Organic Chemicals Division. This division makes and sells all plastics and organic chemicals

not directly linked with FMC's Westvaco, Becco, Fairfield, and Niagara divisions. Greenspan will move to New York soon to take up his new post.

C. HAROLD FISHER, chief of the U.S. Department of Agriculture's Southern Utilization Research Branch, New Orleans, La., has won the 1956 Southern Chemist award of the American Chemical Society's Memphis (Tenn.) section. The gold medal, given annually for distinguished service to the profession of chemistry in the southern states, was presented to Fisher on 7 Dec. during a banquet in Memphis that was a highlight of the ACS Southwide Chemical Conference.

WINFRED O. MILLIGAN, professor of chemistry at Rice Institute, and director of research for the Robert A. Welch Foundation, was also honored at the banquet. He received the 1956 Southwest award of the ACS.

Col. LLOYD E. FELLEÑZ has replaced Col. DONALD H. HALE as chief of the Army Chemical Corps Chemical Warfare Laboratories at Edgewood, Md. Hale has retired from the Army and is now an executive with the Food Machinery and Chemical Corporation, San Jose, Calif. Fellenz has served with the War Plans Division, the Industrial Engineering Division, and the Chemical Corps Board, in addition to having commanded a chemical group and served as chemical officer with the Continental Army Command, Fort Monroe, Va.

## Recent Deaths

SAMUEL T. ARNOLD, Providence, R.I.; 64; provost of Brown University and former chairman of the chemistry department; 12 Dec.

JAMES BIRNHOLZ, Putnam Valley, N.Y.; 86; former vice president of the General Electric Company of Germany; 12 Dec.

ALMENA DAWLEY, Flourtown, Pa.; 66; founder and retired associate director of the Child Guidance Clinic of Philadelphia; 12 Dec.

EVERETTE L. DEGOLYER, Dallas, Tex.; 70; petroleum geologist and chairman of the board of the *Saturday Review*; 14 Dec.

W. A. NEWMAN DORLAND, Chicago, Ill.; 92; editor of the *American Illustrated Medical Dictionary*; 11 Sept.

D. M. HETTLER, Missoula, Mont.; 60; professor of bacteriology and chairman of the department at Montana State University; early September.

CHARLES C. HUNTINGTON, Columbus, Ohio; 83; retired professor and first chairman of the department of geog-