the *Proceedings* of that conference. He was a member of the American Physical Society.

Raymond B. Meyer, head of the communication branch of the Naval Research Laboratory's radio division and a member of the staff of NRL since the time of its inception in 1923, died of a heart attack in Washington, D. C. on March 8th. He was fifty-eight at the time of his death. A native of Wisconsin, Mr. Meyer studied at the Wisconsin State Normal School and at George Washington University. In 1919 he joined the Aircraft Radio Laboratories in Anacostia as a radio engineer. In 1923 the Laboratories became part of the new Naval Research Laboratory and Mr. Meyer transferred with them. He was a member of the American Physical Society.

Harold Stiles, associate professor of physics at Iowa State College of Agriculture and Mechanic Arts from 1914 to 1954, died at his home in Fresno, California, on February 16th. He was eighty years old. Dr. Stiles received his master's degree from Harvard University in 1904 and his PhD from Northwestern University, where he was a physics instructor, in 1909. Before coming to Iowa State in 1914, he served as head of the physics department at Morningside College, Sioux City, for five years. He was a member of the American Physical Society.

James A. Swindler, professor of physics and chairman of the department at Westminster College, New Wilmington, Pennsylvania, died on February 28th at the age of sixty-seven. Dr. Swindler attended Indiana University, receiving his master's degree in 1915 and his doctorate in 1925. He had been an assistant professor of physics at The Pennsylvania State College for two years before joining the Westminster faculty in 1919. During his 35 years at Westminster, Dr. Swindler served not only as professor of physics and chairman of the department, but also as registrar of the College from 1920 to 1936 and as acting dean from 1934 to 1935. A charter member of the Western Pennsylvania Section of the American Association of Physics Teachers, he was also a member of the American Physical Society.

F. J. Williams, director of the research and development laboratories of the National Lead Company's Baroid Division since 1950, died in Houston, Texas, on March 19th. He was forty-seven years old. Dr. Williams attended Alfred University, receiving his bachelor's degree in 1928, and Ohio State University, where he received his PhD in 1932. He served on the faculty of The Pennsylvania State College until 1936 when he became the first incumbent of the National Lead Company's fellowship at Mellon Institute. Dr. Williams remained with the Company, becoming head of the research and development department of the Brooklyn, New York, laboratories, and later, from 1948 to 1950, serving as technical director of the researh laboratories. He was a member of the Society of Rheology.

We hear that..

John Bardeen, Walter H. Brattain, Marvin Camras, and **Robley C. Williams** have received 1954 John Scott Medals. Administered by the City Trusts of Philadelphia, the copper medal and premium of $1000 is the outgrowth of an 1816 bequest by chemist John Scott of Edinburgh. The medals, distributed annually "among ingenious men and women who make useful inventions," were awarded to Drs. Bardeen and Brattain for the invention of the transistor, to Dr. Camras for his work in high-frequency bias and magnetic recording, and to Dr. Williams for his invention of a method of depositing thin metal films by thermal evaporation used in mirror coatings for astronomy and in electron microscopy.

Francis L. Bentzen and **Ira W. Noble** have joined the technical staff of the materials testing reactor, operated by Phillips Petroleum Company for the Atomic Energy Commission at the National Reactor Testing Station near Idaho Falls, Idaho. For the previous four years both were with the Sandia Corporation at Albuquerque, New Mexico.

Herbert B. Brooks, retired chief of the electrical instrument section at the National Bureau of Standards, has been elected vice president of the Edison Pioneers, an organization of men who worked with Thomas A. Edison, or who played a part in developing the Edison system of power plants.

John L. Carter, Jr., formerly with the instrument department of the General Electric Measurements Laboratory in West Lynn, Massachusetts, is now a theoretical physicist at the Hanford atomic installation near Richland, Washington.

The Division of Fluid Dynamics of the American Physical Society has elected the following officers: **S. Chandrasekhar,** Yerkes Observatory, chairman; **G. B. Schubauer,** NBS, vice chairman; and **F. N. Frenkiel,** Applied Physics Laboratory, The Johns Hopkins University, secretary-treasurer (he is the retiring chairman). The executive committee of the Division includes: **J. C. Evvard,** Lewis Flight Propulsion Laboratory, NACA; **B. Lewis,** Combustion and Explosive Research Inc.; **H. W. Liepmann,** California Institute of Technology; and **S. A. Schaaf,** University of California at Berkeley.

Francis T. Cole, assistant professor of physics at the State University of Iowa, has been granted a six-months' leave of absence to work with D. W. Kerst at the University of Illinois on orbit stability problems of the proposed high-energy accelerator of the Midwestern Universities Research Association.

Louis Costrell, Forest K. Harris, and **Samuel G. Weissberg,** staff member of the NBS, have been awarded silver medals for meritorious service. Gold medals for exceptional service were awarded to **Irvine C. Gardner, Carl C. Kiess,** and **L. L. Marton.**

W. Kenneth Davis has been appointed director of reactor development for the AEC. Mr. Davis had been deputy director of the division since August 1954 and acting director since the resignation of Lawrence R. Hafstad in January of this year.

Charles A. Domenicali, previously at the Franklin Institute Laboratories, has joined the staff of the Honeywell Research Center at Hopkins, Minnesota, where he will carry on research in semiconductors and in metal physics. He was at the Naval Research Laboratory during the war and has also been chairman of the physics department at Alfred University.

Louis G. Dunn, associate director of the guided missile division of the Ramo-Wooldridge Corporation, has received the Army's highest civilian award, the Certificate of Appreciation, for his work in missile ordnance.

James Franck of the University of Chicago Research Institutes has been awarded the 1955 Rumford medals and premium of the American Academy of Arts and Sciences. The award was made for Professor Franck's work in photosynthesis.

Richard B. Fritz, William H. Roach, Gordon R. Sanborn, and **Otto C. Turchan** have joined the technical staff of Hughes Research and Development, Culver City, California.

Guy E. Grantham, professor of physics at Cornell University, will retire on July 1st after forty-four years of teaching. He has been at Cornell since 1928.

Lee Grodzins is a new staff member of the Brookhaven National Laboratory's physics department.

Elden D. Haller, formerly associated with Beckman Instruments, Inc. of Fullerton, California, has joined the technology and development staff of Arthur H. Thomas Company. Dr. Haller will serve as a consultant in spectroscopy and general analytical instrumentation for the Philadelphia firm.

Rudolf G. E. Hutter has been named manager of the physics laboratory of Sylvania Electric Products Inc., New York. He was formerly manager of the physical electronics branch of the laboratory.

Harold H. Kantner has been promoted to supervisor of mathematical services at Armour Research Foundation. "Mathematical services" includes the Foundation's computer center as well as its operations research work.