

Paul F. Gast FREE

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The Alfred P. Sloan Foundation has awarded Sloan Research Fellowships to 78 young scientists, among them a number of individuals in physics and related fields. They are **Peter A. Strittmatter** of the University of Arizona, Tucson; **Geoffrey C. Fox** and **Thomas C. McGill, Jr** of the California Institute of Technology; **Robert L. Byer** and **Thomas W. Donnelly** of Stanford University; **Richard C. Brower** and **Joel R. Primack** of the University of California, Santa Cruz; **Ronald F. Fox** of the Georgia Institute of Technology; **John A. Hertz** and **Paul M. Horn** of the University of Chicago; **Frederick K. Lamb** and **William D. Watson** of the University of Illinois, Urbana; **Robert H. Gowdy** of the University of Maryland, College Park; **Thomas W. Appelquist**, **Konrad Osterwalder** and **Helen R. Quinn** of Harvard University; **Bruce R. Patton**, **Saul A. Rappaport** and **Charles B. Thorn** of the Massachusetts Institute of Technology; **William H. Press** and **Remo J. Ruffini** of Princeton University; **Alfred H. Mueller** of Columbia University; **Aaron Lewis** and **Tung-Mow Yan** of Cornell University; **Chris Quigg** of the

State University of New York, Stony Brook; **Anton J. Hopfinger** of Case Western Reserve University; **Frederick L. Hinton** of the University of Texas, Austin, and **Joseph H. Weis** of the University of Washington.

David A. Kiewit, formerly on the technical staff of Hughes Aircraft Co., has been appointed manager of sensor and device development at Gould Laboratories for Electrical and Electronic Research in Rolling Meadows, Illinois.

Anthony J. DeMaria has been appointed manager of electromagnetics and physics at United Aircraft Research Laboratories in East Hartford, Connecticut.

John L. Potts and **Paul Zitzewitz** have been appointed assistant professors of physics at the University of Michigan, Dearborn.

The new chairman of the physics department at the University of Santa Clara is **William Duffy, Jr.**, formerly a professor in the department. **Carl H.**

Hayn, S. J. has been promoted to professor.

Chester H. Page, chief of the electricity division of the Institute for Basic Standards of the National Bureau of Standards, has been appointed the first IBS Coordinator of International Standardization Activities.

Terry J. Vander Werff, formerly visiting assistant professor of medicine at the University of Colorado Medical Center in Denver, has become chief bioengineer and head of the biomedical engineering program at Groote Schuur Hospital and the University of Cape Town Medical School in Cape Town, South Africa.

J. E. Houston has been promoted to supervisor of the surface-physics division at Sandia Laboratories; **H. H. Madden**, formerly professor of physics at Wayne State University and **R. R. Rye**, formerly assistant professor of chemistry at Cornell University, will join the division later this summer.

we hit on a fruitful path. Though we went our separate ways after Los Alamos on completion of our work on the neutrino, I continued to treasure his friendship, understanding and support. It is with a profound sense of personal loss that I write of his passing.

FREDERICK REINES
*University of California
Irvine*

Jack W. Keuffel

Jack W. Keuffel, a researcher in cosmic rays, died on 23 May. He was 55 years old.

Keuffel was director of the neutrino research project at the Silver King Mine (Park City, Utah). He suggested that cosmic rays left a trail of radio signals in the sky and designed a large radio antenna to track these rays.

Keuffel received his bachelor's degree from Princeton and his PhD from the California Institute of Technology. In 1953 he joined the faculty of the University of Utah and became full professor in 1960.

Paul F. Gast

Paul F. Gast, a senior physicist at the Argonne National Laboratory, died on 27 May at the age of 57. Gast devoted his career to the development of nuclear reactors.

Gast joined Argonne in April 1964 as

a senior physicist in the reactor physics division. In February 1967 he moved to the newly established program office for the liquid-metal fast-breeder reactor effort as associate director, and served as acting director from July 1970 until July 1971, at which time he was appointed to responsibilities in the office of the (Argonne) director, reactor program administration.

Gast served in the World War II Manhattan Project as a physicist with the DuPont Company's Hanford (Washington) works, and then spent ten years as chief of the physics section of the General Electric Company's Hanford works.

He was a member of the editorial board for the Reactor Handbook produced by the Atomic Energy Commission's committee on reactor reclassification, and during 1964-67 was director of the American Nuclear Society.

Gast was a member of several international technical missions and of the US delegations to the International Conferences on the Peaceful Uses of Atomic Energy held in Geneva, Switzerland.

He earned his doctorate in physics in 1941 at the University of Washington (Seattle).

Floyd Rowe Watson

Floyd Rowe Watson, age 101, died on 18 January after a long career in architectural acoustics.

He received his PhD from Cornell in

1902 and, for the next 38 years, he served on the faculty of the University of Illinois. His lifetime of work included acoustical design of some 1000 buildings and auditoriums. Among the buildings he worked on were the Pentagon and more recently, the Beckman Auditorium at Cal Tech. He was one of the founders of the Acoustical Society of America (1929) and the first editor of the society's journal.

Ray Palmer Teele

Ray Palmer Teele, a physicist associated for over 40 years with the National Bureau of Standards and well known as an authority on the measurement of light intensity, total light output and surface brightness, died recently at the age of 71.

As physicist in charge of photometric research, Teele was responsible for developing and maintaining the national photometric standards of light intensity and luminance. He also engaged in a wide variety of projects ranging from the design of automobile headlamps to developing methods for measuring the intensity of lasers. He received recognition for his work on the international standard of light intensity and his participation in international comparisons of national standards. Teele was active on the Commission Internationale de L'Eclairage, as a long-time member of the US National Committee and chairman of the US Committee on Photometry. □