we hear that

Two Argonne scientists win Optical Society's Meggers Award

The Optical Society of America has chosen Mark S. Fred and Frank S. Tomkins, both of Argonne National Laboratory, as co-recipients of its 1977 William F. Meggers Award. The Award consists of a silver medal and citation and is presented annually for outstanding work in spectroscopy. Fred and Tomkins will be cited for their contributions to spectroscopy and spectroscopic measuring instruments.

Fred joined the University of Chicago metallurgical laboratory in 1942 after receiving his bachelor's, master's and PhD degrees from the University. He came to Argonne as senior scientist in 1948, where he served until his retirement in 1976. Fred now serves as a consultant to Argonne.

Tomkins earned his PhD at Michigan State University in 1942 and began working at the University of Chicago metallurgical laboratory in 1943. Two years later he became a senior scientist at Argonne National Laboratory. He also spent a year in research at Purdue University in 1975 as the recipient of the 1975 Argonne Universities Association Distinguished Appointment Award.

The two recipients of the Meggers Award designed and built an improved instrument for measuring photographic plates of atomic emission spectra; this instrument has become the prototype for similar instruments now in use in laboratories worldwide.

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TOMKINS

Fred and Tomkins have collaborated on a 30-foot spectrograph, which is used to analyze the spectra of both rare-earth and transuranic elements. Emission-spectrum measurements of einsteinium-253 (element 99) were the most recent investigations done with the spectrograph.

In addition, these two scientists have initiated cooperative research programs between Argonne National Laboratory and other laboratories, including the Laboratoire Aimé Cotton in France, the Zeeman Laboratorium in The Netherlands, Imperial College and the University Observatory in England and the Harvard College Observatory.

The William F. Meggers Award was established by the Optical Society in 1970 in honor of Meggers and his contributions to spectroscopy and metrology. This year's Award will be presented at the Society's annual meeting in Toronto, 10–14 October.

Bruce Gold Medal presented to Bok

The Astronomical Society of the Pacific has presented its Catherine Wolfe Bruce Gold Medal to Bart J. Bok, professor emeritus of astronomy at the University of Arizona.

Bok, a native of Holland, received his PhD from the State University of Groningen in 1932. He was a faculty member in the Harvard University astronomy department, 1937–57, at which time he became a professor of astronomy at the Australian National University and director of the Mt Stromlo Observatory in Canberra. He went to the University of Arizona in 1966 where he served as professor and director of the Steward Observatory; Bok served also as head of the astronomy department during this time, until he became professor emeritus in 1974.

Bok's scientific work has been directed to the problems of galactic structure and evolution; he is also known for his study of very small dark nebulae, which are known as "Bok Globules" and may be the locations of stellar birth.

Bok is a corresponding member of the Australian Academy of Sciences and has served as the vice-president of the International Astronomical Union, 1970–74, and as president of the American Astronomical Society, during the period 1972–74.

Herbert J. Bernstein has been appointed director of technical programs at the Volunteers in Technical Assistance (Mt Rainier, Md.); most recently he worked as science and technology consultant to the World Bank, while on leave from Hampshire College where he was associate professor of physics.

The first Woldemar A. Weyl International Glass Science Award, which is given by the Pennsylvania State University in cooperation with the International Commission on Glass, has been presented to **Peter C. Schultz**, materials-research manager for optical waveguide technology at the Corning Glass Works (Corning, N.Y.).