

OSA Ives Medal to David Rank of Pennsylvania State

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professor is **Frank S. Mathews** and to associate professor **Jeffold J. Burnett**. **Joseph A. Moyzis** was named assistant professor, as of September.

Victor F. Hanson has retired after 35 years with Du Pont Co. He served as the first director of the applied-physics section and of the radiation-physics laboratory. In 1963 he was named manager of engineering-physics research.

At MIT the Everett Moore Baker Award for outstanding undergraduate teaching was given to **Harry M. Schey**.

S. S. Penner, professor of engineering and physics at the University of California, San Diego, completed his term as vice chancellor for academic affairs and will continue as director of the Institute for Pure and Applied Physical Sciences.

Joining KEV Electronics as senior physicist in the advanced development group is **Francis Harper**, formerly of Bell Telephone Laboratories.

Effective as of Sept., **Joseph W. Weinberg**, professor at Case Western Reserve, will join Syracuse University as Kenan Professor of Physics. He succeeds **William R. Fredrickson**, who will continue to teach. **K. C. Wali**, senior physicist and head of the high-energy theory group at Argonne National Laboratory, was named professor. New assistant professors are **Robert Geroch**, **Yoshiaki Ueda** and **Maurice Blackmon**.

Kenneth Young, a senior at Cal Tech was awarded the Richard P. Feynman Fellowship for graduate work in high-energy physics.

OSA Ives Medal to David Rank of Pennsylvania State

The Optical Society of America will award its Frederic Ives Medal to David Rank during its October meeting in Chicago. Rank is Evan Pugh Research Professor of Physics and head of the physics department at Pennsylvania State University.

Rank has worked on atomic and molecular spectroscopy in the ultra-violet, visible and infrared regions of the spectrum and is also known for his work on Raman and Brillouin scattering. He has also worked on geometri-

cal optics, optical instrumentation, optical shop practice and testing and the application of diffraction gratings to high-resolution spectroscopy.

In 1966 he began laser studies on nonlinear and stimulated optical phenomena and has since discovered the stimulated Rayleigh scattering, stimulated thermal Rayleigh scattering and optical mixing in stimulated Brillouin scattering. He is currently an associate editor of *The Journal of the Optical Society of America*.

Given annually, the medal was endowed by the late Herbert E. Ives in honor of his father, who was a pioneer in color photography, photoengraving and three-color process printing.

Lark-Horovitz Prize Goes To Spears for Ultrasonics

The Lark-Horovitz Prize in Physics, given by Purdue University, went to David L. Spears for his studies of intense beams of ultrasonic waves in semiconductors. The award honors Karl Lark-Horovitz and is given for exceptional ability and research by a physics graduate student.

Spears received his PhD this June and is now working at the MIT Lincoln Laboratory. Working under Ralph Bray, Spears studied how ultrasonic beams can deflect the light or greatly vary their intensity as they pass through the crystals.

ANS Special Award To Arthur G. Ward

Arthur G. Ward is the recipient of the American Nuclear Society Special Award for his fuel burn-up predictions and measurements. Ward is director of the applied-physics division, Atomic Energy Limited, Chalk River Nuclear Laboratories, and has supervised the development work for the Intense Neutron Generator.

Ward has also guided the program on fuel burn-up including determination of reactivity and isotopic composition. He derived and published the first criterion for xenon instability.

Spencer Gets Gray Medal For Charged-Particle Work

Lewis V. Spencer is the first recipient of the L.H. Gray Medal given by the International Commission on Radiation Units and Measurements. Spencer, with the Center for Radiation Research, National Bureau of Standards,

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