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Herzfeld Medal goes to Alvin Radkwosky

Catholic University awarded the first Karl F. Herzfeld Medal to Alvin Radkwosky, a nuclear physics expert with the Navy since 1938 and a former student of Herzfeld's. The medal will be awarded periodically for achievement in the fields of natural, social and applied sciences.

Radkwosky began his work with the Navy's Bureau of Ships in electrical engineering, but after receiving his PhD from Catholic University he began working with nuclear reactors at the Argonne National Laboratory, and he has continued work in this field ever since. Among Radkwosky's accomplishments is the "burnable poison" method of controlling nuclear reactors and extending their endurance.

Gamow Memorial Award goes to Wigner

The University of Colorado has presented the second George Gamow Memorial Lectureship Award to Eugene P. Wigner, 1963 Nobel Prize laureate in physics. He was recognized for his "contributions to the development of physics and to the elucidation of its fundamental concepts."

The Gamow memorial lectures are designed to promote public understanding of the nature and role of science. Wigner spoke on "Symmetry Principles in Nature."

APS prizes to Mueller, Anderson and Robson

During the spring meeting of the American Physical Society in Washington, the Tom W. Bonner Prize in Nuclear Physics was presented to John D. Anderson, of Lawrence Livermore Laboratory and to Donald Robson, of Florida State University, and the Davisson-Germer Prize was awarded to Erwin W. Mueller, of Pennsylvania State University.

The Bonner prize, consisting of $1000 to be shared by the recipients, is sponsored by the friends of Tom Bonner and the Texas Nuclear Corp. Anderson and Robson were recognized for their contributions to the discovery and understanding of the analog states in complex nuclei, which have "greatly extended the applicability of the concept of isopin symmetry, offered new insights into nuclear dynamics and provided a new conceptual tool for the analysis of the structure of nuclear states."

Donated by Bell Telephone Laboratories, the Davisson-Germer Prize consists of $2500. The prize cites Mueller for "the invention of the field-ion microscope and its application to the study of surfaces at the atomic level."

John W. Boag wins Gray Medal

The International Commission on Radiation Units and Measurements has selected John W. Boag as the second recipient of the L. H. Gray Medal. Boag, professor of physics as applied to medicine at the Institute of Cancer

BOAG

Research and an honorary director of the department of physics of the Royal Marsden Hospital (both in Surrey, UK), will receive the award at the International Congress of Radiology to be held in Madrid, Spain in 1973.

Boag was chosen because of his "outstanding contributions to scientific fields of interest to the ICRU." His research has included work on the theory of recombination in ionization chambers. With E. J. Hart, Boag was

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the first to observe the spectrum of the hydrated electron, which had been postulated by Robert Platzman. He has also contributed to the statistical analysis of the results of radiation therapy and to the understanding of linear energy-transfer distribution.

The award was established in 1967 to honor Louis H. Gray, former vice-chairman of the ICRU. Before coming to the Institute of Cancer Research, Boag had worked with Gray at the research unit in radiobiology of the British Empire Cancer Campaign.

Five E. O. Lawrence Award winners named

Charles C. Cremer, of the Los Alamos Scientific Laboratory, Sidney D. Drell, of Stanford University and Paul F. Zweifel, of Virginia Polytechnic Institute are among the five recipients of the Atomic Energy Commissions's Ernest Orlando Lawrence Memorial Award. The awards, consisting of a gold medal, a citation and $5000, recognize contributions to the field of atomic energy.

Cremer, a group leader of the theoretical design division at Los Alamos, was honored for his contributions to the development of weapons design codes and for his design of small weapons. The citation recognized Drell for his "theoretical investigations of the range of validity of quantum electrodynamics and for his contributions to understanding electromagnetic processes involving hadrons." Drell is deputy director and executive head of theoretical physics at the Stanford Linear Accelerator Center. Zweifel, a professor in VPI's department of physics, was cited for his "contributions to the slowing down and thermalizing of neutrons, which have been of particular importance to the design and development of water-moderated reactors."

The other two recipients were Marvin Goldman, a radiobiologist at the University of California, Davis and David A. Shirley, chairman of the chemistry department at the University of California, Berkeley.

Arno A. Penzias has been promoted to head of the radio techniques research department at Bell Laboratories, and **Joe H. Mullins** has been promoted to head of the T2 digital line department there.

Joining the staff of Los Alamos Scientific Laboratory are **William P. Gula** in the theoretical division and **Gregg C. Giesler** in the chemistry–nuclear-chemistry division.

At the University of Virginia, **Stanley Sobottka** has been promoted to professor and **John Ruvalds** and **Hans-Jurgen Weber** have been promoted to associate professors. **Prabahan Kabir**, formerly a visiting professor at the university, has been appointed professor. Other new appointments include **Julian V. Noble**, of the University of Pennsylvania, as associate professor and **Paul M. Fishbane**, from the University of Illinois and **Ronald H. McKnight**, from the University of Washington as assistant professors. **R. Carter Morris** and **Richard J. Van Brunt**, both previously research associates at Virginia, have been named assistant professors.

Norton L. Moise has joined Xonics Inc in Van Nuys, Calif. as director of operations and manager of the company's engineering physics division. He was previously with Montana State University.

Michael J. Brady, formerly of the State University of New York at Stony Brook, has become a member of the acousto-optical physics group at IBM's Thomas J. Watson Research Laboratories.

Erwin F. Shrader has been appointed director of research and development for nuclear-detection systems at the Harshaw Chemical Co's crystal and electronic products department.

William P. Raney, formerly special assistant to the assistant secretary of the navy, has been promoted to chief scientist for the Office of Naval Research.

Pennsylvania State University has named **Roland H. Good**, a senior scientist at the Ames Laboratory, to head the physics department.

George W. Wheeler, formerly of Brookhaven National Laboratory, has been appointed to the high-energy physics branch, division of physical research at the Atomic Energy Commission.

Lewis M. Branscomb has resigned as director of the National Bureau of Standards to become chief scientist and vice-president of research for IBM.

Promotions at Wayne State University include **Harry H. Denman** to professor and **Pao-Kuang Kuo** and **William B. Rol-**