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Carnegie-Mellon Merit Award to Julius Halpern

Julius Halpern, physics professor at the University of Pennsylvania, has received the Merit Award from Carnegie-Mellon University. The award cites him for "his extensive and fruitful experimental investigations aimed at providing an understanding of the atomic nucleus, and his studies of the production and decay mechanisms of newly discovered sub-nuclear particles."

Before joining the University of Pennsylvania in 1947, Halpern was with the Massachusetts Institute of Technology. His undergraduate and graduate education were at Carnegie-Mellon, where he received his PhD in 1938.

AIP gives Compton Gold Medal to Frederick Seitz

Frederick Seitz, president of Rockefeller University and former president of the National Academy of Sciences, has received the Karl Taylor Compton Gold Medal, the highest award given by the American Institute of Physics.

Seitz is the fifth person to receive the award, which is named for the late president of the Massachusetts Institute of Technology. It was presented during the annual meeting of the AIP society officers and corporate associates, and it honored Seitz for "distinguished statesmanship in science." The citation recognized him for "his outstanding service to physics and to science as a pioneering researcher, noted educator, able administrator and effective government adviser."

The award, which consists of a gold medal, a citation and $1000, was established during Seitz's tenure as chairman of the AIP governing board from 1954 to 1959; he is now a member of the board.

Frederick Seitz (left) receives Karl Taylor Compton Gold Medal from Ralph Sawyer, chairman of the governing board of the American Institute of Physics.

Herzberg first Canadian to receive Faraday Medal

Gerhard Herzberg, with the National Research Council of Canada, is the first Canadian to become the Faraday Medallist and Lecturer of the Chemical Society of London.

He received the award, which was founded in 1867, during the fall meeting of the society; the award is usually given every three years. Herzberg, who is a pioneer in molecular spectroscopy, retired from the council last year. Before his retirement he was named distinguished research scientist so that he could continue his research.

Franklin Institute Honors Panofsky, Heidenreich, Hirsch

During its October meeting the Franklin Institute awarded its Franklin Medal to Wolfgang K. H. Panofsky and its Francis J. Clamer Medal to Robert D. Heidenreich and Peter B. Hirsch.

Panofsky was honored for his contributions to the Stanford Linear Accelerator. He was one of the original group of scientists who conceived the accelerator and is its director, a position he has held since 1961. He joined Stanford as a professor in 1951 and in 1953 became director of its high-energy physics laboratory. Panofsky was also, during the second world war, project director for the office of scientific research and development.

Heidenreich, of Bell Telephone Laboratories, and Hirsch, of the University of Oxford, were each given the award for their work in transmission electron microscopy. Heidenreich, during the 1940's, showed the experimental feasibility of unraveling the nature of metallic crystals and of studying their behavior. He was the first to demonstrate, by using thin-film transmission with the electron microscope, that it was possible to see and photograph the microstructure of crystals. Hirsch continued Heidenreich's work and developed an x-ray microbeam technique that provided some of the first observations of mosaic structure. Later he pioneered and helped develop the thin-film transmission technique and, recently, the scanning electron microscope.

John E. Mock, director of the Georgia Science and Technology Commission, was elected chairman of the National Governors' Council on Science and Technology.

The Atomic Energy Commission has reappointed **Nunzio J. Palladino** of Pennsylvania State University to its advisory committee on reactor safeguards. He had resigned from the committee last year.

John Hubbard of the Atomic Energy Research Establishment at Harwell, UK, is currently a visiting professor at Brown University.

Itek Corp named **Walter R. Hedrick** as a corporate vice-president. He had recently retired from the US Air Force where he was in charge of its space research and development programs.

Alan C. Greene, formerly of Rensselaer Polytechnic Institute, and **Robert F. Tinker,** a recent graduate from MIT, have joined the Commission on College Physics as staff physicists.

Brown F. Williams has been promoted to manager of the RCA Electro-Optics Laboratory at the David Samoff Research Center.

Recently promoted at the University of Texas, Austin, are **C. Fred Moore** to professor; **Peter R. Antoniewicz, Patrick Richard** and **Lawrence C. Shepley** to associate professor, and **Manfred Fink, Roger Bengston** and **Richard A. Matzner** to assistant professor. New appointments in the department are **Robert**

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Geroch from Syracuse University as associate professor, **George E. Fredericks** from the University of Illinois and **Takeshi Udagawa** from Kyoto University as assistant professor.

The University of Nebraska has named **M. Eugene Rudd** as acting chairman to succeed **H. S. Valk.** New appointments include **James A. R. Samson** of G.C.A. Corp as professor, **David Golden** of the University of Bari as associate professor and **Kam-Ching Leung** of the NASA Institute for Space Studies as assistant professor.

Clement L. Henshaw has retired as physics and astronomy chairman of Colgate University after 12 years. He is succeeded by **Charles H. Holbrow.**

At the University of Kentucky **Guy Lehman,** formerly of North American Rockwell Science Center, was appointed professor and **John Christopher,** formerly of the University of Virginia as assistant professor.

Joining the Holograf Corp as vice-president and technical director is **Larry V. Knight.** He was previously with Brigham Young University.

Michigan State University has named **Thomas A. Kaplan** of Lincoln Laboratory as professor; **K. W. Chen** of Princeton University and **J. Nolen** of the University of Maryland as associate professor, and **J. Pumplin** of the Stanford Linear Accelerator and **W. Repko** of Johns Hopkins University as assistant professor.

Anthony C. Gilby has been elected a vice-president and member of the board of directors of Wilks Scientific Corp. He was named research manager in June 1968.

At Texas A&M University, **William H. Bassichis,** formerly with MIT, has become associate professor and **Roland E. Allen** of the University of Texas, Austin, and **James R. Wayland** of the University of Maryland have become assistant professors.

Winston E. Kock, vice-president and chief scientist of the Bendix Corp, has been elected an honorary fellow by the Indian Academy of Sciences.

Henry M. O'Bryan has become professor emeritus at Merrimack College.

At the University of Arizona **Hormoz Mahmoud** was promoted to professor and **Jose D. Garcia, Donald R. Huffman, Laurence G. McIntyre, John O. Stoner** and **Joseph J. Vuillemin** to associate professor. New assistant professors are **Bruce Barrett** from the University of Pittsburgh, **Michael Goldhaber** from Rockefeller University, **Chung Heng Liu** from New York University and **Robert Thews** from the University of Rochester.

Los Alamos Scientific Laboratory appointed **John L. Norton** to the theoretical division, **Harold V. Romero** to the physics division and **James M. Potter** to the medium-energy physics division.

P. Gerald Kruger has retired from the physics department of the University of Illinois where he has taught for 39 years. During 1935–36 he built the university's first cyclotron and later, during 1940–42, a second higher-energy cyclotron.

New assistant professors at North Carolina State University, Raleigh, are **Kwong T. Tung** of the Institute for Pure and Applied Physical Sciences, La Jolla, Calif. and **Jan F. Schetzina** of Pennsylvania State University.

Charles F. Lillie has joined the University of Colorado as assistant professor of physics and astrophysics and as a research faculty member of the Laboratory for Atmospheric and Space Physics.

FULLER

Dean of the new college of Arts and Sciences at the University of Missouri-Rolla is **Harold Q. Fuller,** physics chairman at the university since 1948. The new college was formed by the merger of the school of science with the division of liberal arts and includes the departments of chemistry, computer science, geology and geophysics, humanities, mathematics, physics and social sciences.

Fuller's successor as chairman is **Robert J. Bell,** who was an associate professor at the university. New appointments in the department are **Jerry Dowell, Ralph W. Alexander Jr,** and **David Crandall** as assistant professors.

Jacob Bigeleisen, chemistry chairman at the University of Rochester, has been elected chairman of the board of trustees of the Gordon Research Conferences.

Joining the research staff of the Naval Ordance Laboratory at Silver Spring, Md., is **George E. Hudson,** who was formerly with the University of Colorado.

Robert J. Swenson, formerly chairman at Temple University, has become physics chairman at Montana State University. **John Hermanson** of the Univer-

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sity of California, Berkeley, and **Fred Klotz** from Syracuse University were appointed assistant professors. **Ken Nordtvedt** was promoted to professor.

New appointments to Los Alamos Scientific Laboratory are **Robert M. Abernathey** and **James C. Fraser** to the chemistry metallurgy division; **Hastings A. Smith, Jr,** and **David K. McDaniels,** physics division; **Harold W. Fearing** and **Gerald M. Hale,** theoretical division; **Larry Jones,** testing division; **Barton W. Olinger,** explosives-testing division, and **Delbert M. Jones,** weapons division.

NASH

Harold E. Nash has been named technical director of the newly formed Naval Underwater Systems Center, located in Newport, R.I. He was formerly the technical director of the Navy Underwater Sound Laboratory in New London Conn., which merged with the Naval Underwater Weapons Research and Engineering Station at Newport, to form the new center during last summer. The center is concentrating on warfare and systems analyses, research, development, test evaluation and fleet support in underwater weapons systems.

Promoted to associate professor at the College of William and Mary are **W. J. Kossler, E. A. Remler** and **H. C. von Baeyer. Frank L. Gross** was named associate professor and **S. Peter Gary,** assistant professor.

Graham Gurr was promoted to laboratory manager, physics and materials, at the 3M Co Physical Sciences Research Laboratory.

Kenneth M. Schlesier has joined RCA Laboratories at the David Sarnoff Research Center.

Reginald T. Jenkins

Reginald T. Jenkins, retired member of the apparatus development department at Bell Telephone Laboratories, died this summer at the age of 76.

In 1916 he joined the Western Electric Co, and in 1925 he transferred to Bell Laboratories, where he did research in acoustics, including the acoustical measurement, development and calibration of telephone instruments. He had retired in 1959. Jenkins was a member of the Acoustical Society of America and of the American Association for the Advancement of Science. □