

George Vineyard, currently associate director of Brookhaven National Laboratory, will take over the position of deputy director from **Clarke Williams**.

Arthur J. Freeman has been appointed professor of physics and chairman of the department at Northwestern University. He was previously associate director of the National Magnet Laboratory.

Paul R. Camp has been named physics-department chairman of the University of Maine. He was previously a staff physicist with the Commission on College Physics.

Leonard Reiffel has been appointed science consultant to CBS News. He will participate in broadcasts from the launching site at Cape Kennedy; he will report periodically on science and cover developments in space and atomic science. He is now consultant to NASA for the Apollo program and chairman of the board of Instructional Dynamics Company. He received a PhD in physics and engineering from Illinois Institute of Technology in 1953.



REIFFEL

MIT has promoted the following faculty members to the rank of professor: **Henry W. Kendall**, **Jerome I. Friedman**, **Stanislaw Olbert**, **Lawrence Rosen**, **Rainer Weiss**, **Gordon P. Garmire** and **Carl M. Shakin** were promoted to associate-professor positions.

Alan Berman of Hudson Laboratories, Columbia University, was appointed director of research at the Naval Research Laboratory in Washington.

Karl Ott, presently with Technische Hochschule in Karlsruhe, Germany accepted an appointment as professor of nuclear engineering at Purdue University. He is also consultant to the Karlsruhe Research Center, where he was formerly head of the

theoretical section of the Institute for Neutron Physics and Reactor Technology.

Two physicists have been named president and chancellor of the new federated institution known as Case Western Reserve University. **Robert W. Morse**, currently president of Case, and **John S. Millis**, currently president of Western Reserve, were appointed president and chancellor, respectively.

Thomas F. Stratton has joined the staff of the Columbus Laboratories of Battelle Memorial Institute as a senior fellow. Prior to joining the Battelle staff Stratton was with the Los Alamos Scientific Laboratory.

William W. D. Bygrave has recently joined High Voltage Engineering Corporation as physics specialist for the sales division. He holds a PhD in physics from Oxford University.

Donald A. Hicks was appointed vice president of corporate research and manager of the Northrop Corporate Laboratories. Hicks has been a vice president and manager of the Northrop Nortronics applied research department at Newbury Park, California.

Sidney W. Barnes of the University of Rochester will become professor emeritus of physics in September. He has been a member of the Rochester faculty for 33 years and holds a PhD from Cornell University.

Leon Pape was promoted from associate professor to chairman of the physics department at California State College at Los Angeles.

Arthur A. Oliner was named head of the electrophysics department at Polytechnic Institute of Brooklyn. He holds a PhD in physics from Cornell University.

Roger S. Van Heyningen was appointed assistant head of the physics division of the Kodak Research Laboratories. He was formerly a research associate with Kodak.

Delbert Merle Jones of Lyons, Kansas, has joined the staff of the Los Alamos Scientific Laboratory to work as a physicist in the chemistry and metallurgy divisions. He holds a PhD from the University of Wisconsin.

The physics department of the University of Massachusetts at Boston has made the following appointments: to associate professor, **Donald H. Lyons**, formerly staff physicist at Sperry Rand Research Center, Sudbury, Mass.; to assistant professor, **Edward S. Ginsberg**, formerly research associate at University of Pennsylvania.

Brian J. Thompson has been appointed adjunct professor of electrooptics at Northeastern University, Boston. He is director of the optics department of Technical Operations Research Company in Burlington. Thompson will work in both the graduate program of N.U. and in its continuing education center.

Clifford S. Swartz of the State University of New York at Stony Brook has become editor of *The Physics Teacher*. **Lester G. Paldy** of Cold Spring Harbor High School will be assistant editor, with **Patricia R. Wakeling** of W INC as editorial consultant.



SWARTZ

Ten fellows have been named to visit the joint institute for laboratory astrophysics at the University of Colorado in the 1967-68 academic year: **Adam J. Barnard**, associate professor of physics at the University of British Columbia, Vancouver; **T. Richard Carson**, senior lecturer of astronomy, University of St. Andrews, Scotland; **Willi Deinzer**, research associate of the institute for theoretical astrophysics, University of Heidelberg, Germany; **Wolfgang Demtroeder**, research physicist at the institute of physics, University of Freiburg, Germany; **Frederick A. Goldsworthy**, professor of mathe-

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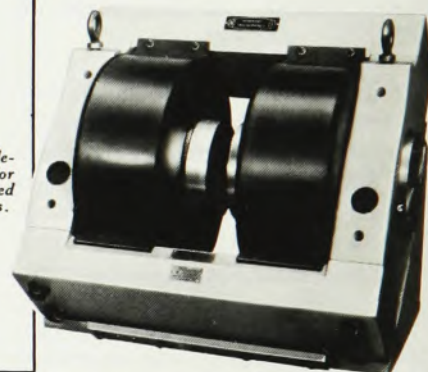
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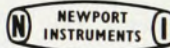
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matics, University of Leeds, England; **Peter Hammerling**, physics research associate, Brandeis University; **Hans Kleinpoppen**, the institute of physics, University of Tuebingen, Germany; **Earle E. Muschlitz Jr.**, professor of chemistry, University of Florida, Gainesville; **K. Y. Shen**, assistant professor of physics, California State College at Long Beach; **Eleanore Trefftz**, the institute for astrophysics, Max-Planck Institute for Physics and Astrophysics, Munich.

American Chemical Society Awards Gerhart Friedlander

The American Chemical Society awarded Gerhart Friedlander of Brookhaven National Laboratory with \$1000 for nuclear applications in chemistry. The award, sponsored by Nuclear-Chicago Corporation, is in recognition of Friedlander's research in experimental and theoretical studies of the interactions between complex nuclei and high-energy bombarding particles such as protons from the

BNL alternating gradient synchrotron and the cosmotron prior to its shutdown on 31 December 1966. His work led to the discovery of five radioactive nuclides.

American Crystallographic Society Elects Abrahams

The American Crystallographic Association completed the selection of its 1967 officers. Sidney C. Abrahams, Bell Telephone Laboratories, Murray Hill, N.J., is the society's vice president for 1967. He will succeed automatically to the presidency in 1968. Abrahams holds PhD and DSc degrees from the University of Glasgow and has been a member of the Bell Labs staff since 1957.

John S. Kasper, physical chemist at the research development center, General Electric Company, Schenectady, N.Y., is the society's president. Treasurer of the society is Robinson D. Burbank, who was elected to a three-year term in 1965. Burbank is also on the Bell Labs staff. William L. Kehl, elected secretary in 1964, will continue to serve in that office until 1969.

He is currently employed with Gulf Research and Development Company, Pittsburgh.

Nuclear Scientists Receive Lawrence Memorial Award

The Atomic Energy Commission announced that five scientists have been chosen to receive the Ernest Orlando Lawrence Memorial Award for 1967. The winners were presented with a \$5000 cash award and a gold medal and citation. The award is made each year to citizens of the US "who have made recent, especially meritorious contributions to the development, use or control of atomic energy in areas of all sciences related to atomic energy, including medicine and engineering." The recipients are Mortimer M. Elkind (National Institutes of Health), Allan F. Henry (Bettis Atomic Power Laboratory, Westinghouse), Robert N. Thorn (Los Alamos Scientific Laboratory), John O. Rasmussen (Lawrence Radiation Laboratory and University of California) and John M. Googin (Union Carbide Nuclear Division, Oak Ridge).

Frederic Palmer Jr Dies, Was Haverford Professor

On 19 April, Frederic Palmer Jr, professor emeritus and dean of Haverford College, died in Bryn Mawr Hospital at the age of 88. Palmer received a BA from Harvard University in 1900 and a PhD in 1913. He taught at

retirement in 1945 he was a physicist until 1949 for the Franklin Institute.

Past president and one of the founders of the American Association of Physics Teachers, Palmer was also a fellow of the American Physical Society, past president of the Physics Club of Philadelphia, a life member of the American Association for the Advancement of Science and president of the Wellfleet Historical Society.

Jules P. Russell Was a Dean at Brooklyn Polytech

Jules P. Russell, associate dean of the Brooklyn Polytechnic Institute Long Island graduate center at Farmingdale, died of a heart ailment on 15 April. He had been associate dean of the Long Island center since 1965. A mathematics professor and authority on differential equations and mathematical physics, Russell was the school's representative in working for the development of oceanography on Long Island and administered a \$3 300 000 National Science Foundation grant for developing an advanced pro-

gram in electronics and physics at the center. He was also a textbook consultant for Prentice-Hall Inc.

Lloyd F. Ryan Dies, Was At IIT Research Institute

Lloyd F. Ryan died on 22 Feb of a heart attack. He was assistant to the director of the Illinois Institute of Technology Research Institute and director of Transition, Inc. He was also a member of the board of International Electro-Magnetics Inc. Ryan received a BS in physics from Reed College in 1933. He was manager of sales engineering and in charge of the development of motion picture equipment for specialized purposes at Bell and Howell until 1941, when he joined the Air Force. In 1951 he received a PhD in aerodynamics from the Eidgenossischen Technischen Hochschule in Zurich, where he studied under Jakob Ackeret. In 1956, after attaining the rank of colonel in the Air Force, he was a business development consultant for General Electric until joining ITT in 1965. □



PALMER

Harvard, the Asheville (N.C.) School and Worcester Academy in Massachusetts. Joining the Haverford faculty in 1904 as an instructor, he became an associate professor and dean in 1908 and a full professor in 1916. After his