

we hear that

in experimental physics and is presented by the Science Faculty of the University of Giessen, West Germany, where Roentgen was a physics professor when he discovered x-rays in 1895.

NY Academy of Sciences awards to six physicists

Six physicists received awards from the New York Academy of Sciences during their annual banquet at the Waldorf Astoria Hotel in New York on 2 Dec. The recipients were I. I. Rabi, Helmut Schwarz, Peter Bergmann, Harold Grad, Elliot H. Lieb and Oele Heilmann.

Rabi, professor emeritus of Columbia University, received the Lehman award of \$1000 for his overall contribution to science. Rabi received the Nobel Prize in 1944 for his resonance method for recording magnetic methods of atomic nuclei.

The other awards were given for specific papers. Schwarz, of the Rennselaer Polytechnic Institute Hartford Graduate Center, received the Morrison Award in natural sciences and \$1000 for his paper, "Modulation of Electron Beams by Laser Light." The Borris Pregel Award for research in physics and astronomy was given to Bergmann, of Syracuse University, for his paper, "Hamilton-Jacobi Theory with Mixed Constraints." The Pregel Award for

George T. Reynolds has been named director of Princeton University's newly established center for environmental studies. The center, which is a major element of the council of environmental studies, will be funded externally and will draw its membership from social, physical, life and engineering scientists throughout the university. Reynolds, who has been a member of the faculty since 1946, was for the past 18 years director of the elementary-particles laboratory and before that, director of the program in science in human affairs. Reynolds introduced the liquid scintillator, a tool used for nuclear and cosmic-ray research, biological and medical research and for the construction of large radiation detectors.



REYNOLDS

research in chemical physics was awarded to Lieb of the Massachusetts Institute of Technology and Heilmann of the University of Copenhagen for their paper, "Violation of Non-Crossing Rule: The Hubbard-Hamiltonian for Benzene." Grad received the Pregel Award for nuclear physics and nuclear engineering for his paper, "Magnetic Properties of a Contained Plasma." Grad is a professor at the Courant Institute of Mathematics at New York University.

Buerger to receive Fankuchen Memorial Award

Martin J. Buerger will receive the American Crystallographic Association's first I. Fankuchen Memorial Award. The award, established in memory of I. Fankuchen, professor of physics at Polytechnic Institute of Brooklyn from 1942 to 1964, is to be made every three years to a crystallographer or x-ray diffractionist. The award, consisting of \$1500, requires that the recipient deliver Fankuchen Memorial Lectures at the ACA presentation of the award, at the Polytechnic Institute of Brooklyn and at two additional institutes.

Buerger is institute professor emeritus at Massachusetts Institute of Technology and professor at the Institute of Materials Science at the University of Connecticut, Storrs. He received his MS degree in geology and his PhD degree in mineralogy from the Massachusetts Institute of Technology.

Frank E. Swindells has been appointed vice-president of development and manufacturing at the newly formed ARTECH Corp.

Joining Raytheon Company's Semiconductor Division as section head for memory processing is **Keith G. Taft**. He was formerly head for digital electronic components of Fairchild Research and Development.

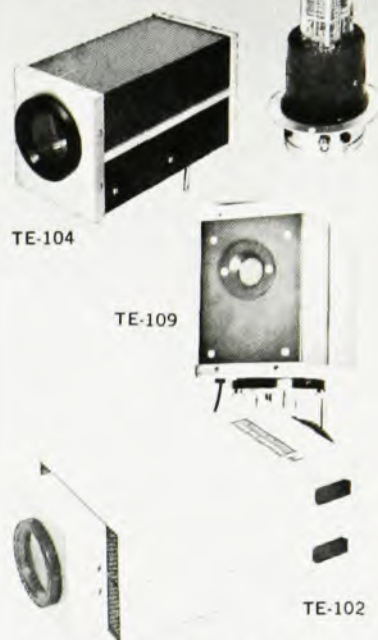
Joseph E. Herceg has joined the staff of the Los Alamos Scientific Laboratory, health division. **Kenneth S. Krane** has joined the physics division.

James J. Zwolenik has been promoted to staff associate, Office of Policy Studies of the chemistry section of the National Science Foundation.

Serge A. Korff of New York University has been elected president-elect of the New York Academy of Sciences for 1971.

Recently appointed as chairman of the department of physics at Northern Illinois University was **Thomas D. Rossing**. Rossing was formerly chair-

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