

Kurt S. Lion, professor emeritus and senior lecturer at MIT, received the Instrument Society of America's Arnold O. Beckman Award during a luncheon at Houston in October. A biophysicist, Lion is professor emeritus of applied physics at MIT. He was cited for "his pioneering work in sensors for physical and biological measurements, and particularly for his application of capacitance principles in the development of transducers."

Robert W. Kedzie, formerly with Ventron Instruments, has become associate professor of physics at the University of Detroit.

Joining St. Joseph's College in Philadelphia are the **Rev. Thaddeus J. Burch**, formerly of Brookhaven National Laboratory, who will be an assistant professor, and **Joseph L. Wiza**, who will be a lecturer and research associate. Wiza had been senior physicist at the Lowell Technological Institute Research Foundation, Massachusetts.

Karl Dieter Moeller, professor of physics at Fairleigh Dickinson University, will be a visiting scientist at the European Space Research Institute in Rome from December until June.



HAZZARD

George W. Hazzard is the new president of Worcester Polytechnic Institute, Massachusetts. He succeeds **Harry P. Storke** who retired this summer. Hazzard, a physicist, was with General Electric Research Laboratories from 1954-65. He then became vice chancellor for research at Washington University in St. Louis, Mo.; **Robert W. Johnston**, executive assistant to the director of the National Science Foundation, will succeed Hazzard at Washington.

Richard N. Thomas and **H. Alastair Gebbie** have been appointed senior research fellows of the National Bureau of Standards. Thomas, who came to NBS in 1957, is a founder of the Joint Institute for Laboratory

Astrophysics, a cooperative venture of NBS and the University of Colorado. **Gebbie**, a specialist in infrared and submillimeter waves, formerly headed the advanced instrumentation unit of the National Physical Laboratory, UK. **Darrell H. Reneker** has been appointed chief of the polymer-crystal physics section, polymers division, at NBS. Reneker was formerly with E. I. du Pont de Nemours & Company. **Robert A. Kamper** will head the recently established cryoelectronics section of NBS cryogenics division. In his new post Kamper, who has been with NBS since 1963, will attempt to apply superconductivity to improve measurement techniques.

NASA has awarded its Exceptional Service Medal to **James C. Elms**, director of the agency's Electronics Research Center located in Cambridge, Mass.

Colin Thompson has joined Northwestern University as associate professor of physics and mathematics. He had been assistant professor of mathematics at MIT. **Boris J. Kayser** has moved to Northwestern as an associate professor of physics; he had been an assistant professor at the State University of New York, Stony Brook.

Charlotte Gordon, an astrophysicist who had been a research associate for the National Aeronautics and Space Administration for the past two years, has been appointed visiting professor of physics at the Belfer School of Science at Yeshiva University in N. Y. **Jonathan M. Wachtel** has been appointed assistant professor at Yeshiva. Wachtel had been in the Navy; he was working on nuclear weapons at the Defense Atomic Support Agency.

New appointments at the Los Alamos Scientific Laboratory include **John T. Caldwell**, nuclear-propulsion division; **John S. Clarke**, theoretical division; **Alvin H. Davis**, testing division; **Nobuyuki Tanaka**, medium-energy physics; and **LaMar J. Johnson**, health division.

Col. William B. Haidler has been named professor of physics and department head at the Air Force Acad-

emy. He replaces Col. **Anthony J. Mione**, who is on a two-year sabbatical assignment at the European Office of Aerospace Research in London.

Recent faculty appointments at Kansas State University include two adjunct associate professors, **Sevket Ozkök** on sabbatical leave from the University of Istanbul and **Christian Swenson** on sabbatical leave from Bethany College, Kansas. New assistant professors are **C. Lewis Cocke** of the University of Strasbourg, **John Eck** of Florida State University, **Kent Morrison** of Brandeis and **Thomas Tumolillo** of the University of Illinois.

The first of eight new appointments in solid-state physics at Brown University is **Leo Kadanoff**, formerly professor at the University of Illinois, who will be university professor and professor of physics.

Vincent P. Guinn, manager of the activation-analysis department at Gulf General Atomic, will leave in March to become professor of chemistry at the University of California, Irvine.

Govind S. Khandelwal has been pro-

Phimsy Disappears

Phimsy has disappeared; since the first of the year we haven't been able to find him anywhere. In times past we editors would periodically find notes from Phimsy stuck in our typewriters. Or we'd receive page proofs from our printer with "his" column included. Phimsy's urge to comment on matters that were absolutely none of his business seemed irrepressible.

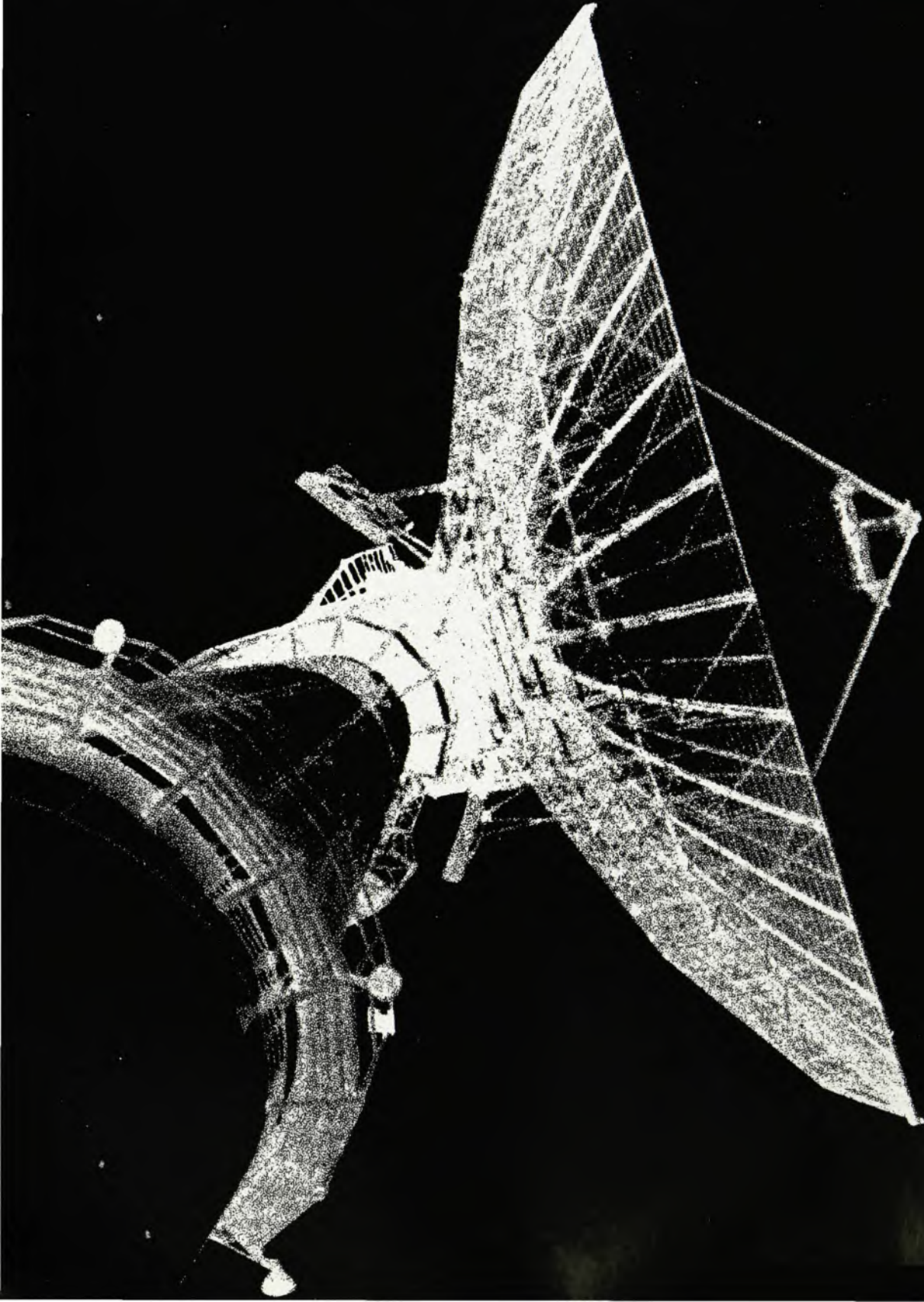
Our attempts to discourage him have suddenly been successful. He didn't leave a forwarding address or even bother to answer his mail. Phimsy, we've concluded, has been promoted from his janitorial position and so no longer concerns himself with us. But what is he doing? Is he caught in the quest for quarks? Is he tailing tachyons? We'll be on the lookout for evidences of his work in the scholarly journals.

THE EDITORS



Lincoln Laboratory of the Massachusetts Institute of Technology conducts a program of general research in selected areas of advanced electronics with emphasis on applications to national defense and space exploration. The program in *Re-entry Physics* consists of theoretical and experimental investigations of the electromagnetic effects associated with the passage of hypervelocity objects through the atmosphere. All qualified applicants will receive consideration for employment without regard to race, creed, color or national origin. Lincoln Laboratory, Massachusetts Institute of Technology, Box 15, Lexington, Massachusetts 02173.

Solid State Physics
Information Processing
Radio Physics and Astronomy
Radar
Computer Applications
Space Surveillance Techniques
Re-entry Physics
Space Communications
A description of the Laboratory's work will be sent upon request.



moted to associate professor at Old Dominion University, Norfolk, Va. New members of the physics faculty are assistant professors **Grayson H. Rayborn** and **James L. Cox**. Rayborn was formerly at the University of Florida and Cox at North Carolina State University.

At Alfred University, Alfred, N. Y., **Fred W. Dix** has been appointed assistant professor, and **Michael Webb** has been promoted to associate professor. Dix is a recent graduate of Case-Western Reserve University.

Joseph L. Snider, formerly an assistant professor at Harvard, has been named associate professor of physics at Oberlin College.

New appointments in the Division of Undergraduate Science Education at the National Science Foundation are **Leo L. Baggerly** of Texas Christian

University as associate program director, Science-Curriculum Improvement Program, and **Gregg Edwards** of the Commission on College Physics as assistant program director.

Frank E. Jamerson has been named head of the 75-man physics department at General Motors Research Laboratories. He joined GM as a senior nuclear physicist in 1957. **Nils L. Muench**, former physics-department head, is now technical director of the mathematical-sciences departments at the GM labs.

The new chairman of Wayne State University's Department of Chemical Engineering and Material Sciences is **Julius L. Jackson**, formerly professor of physics at Howard University.

Promoted at Florida Atlantic University were **Robert F. Stetson** to professor and **Björn N. A. Lamborn** to associate professor. New appointments include **Herman E. Matthews**, for-

merly of Stanford University, as assistant professor.

Alexander Stein, formerly of Control Data Corporation, is now at Quantronix Corporation, New York, as head of laser-component research.



PANOFSKY

Wolfgang Panofsky, director of the Stanford Linear Accelerator Center, is to be awarded a 1970 National Medal of Science. He has been cited "for classic experiments probing the

elementary particles of matter and for contributions to advancing the means of experimentation in this challenging field." The medal, established by Congress in 1959, is the US Government's highest science and engineering award. Six of these medals will be presented by President Nixon at ceremonies early this year.

IEEE Elects Officers And Presents Awards

John V. Granger is the president of the Institute of Electrical and Electronics Engineers for 1970. Granger, chairman of the board of Granger Associates, Palo Alto, succeeds **F. Karl Willenbrock** of the State University of New York, Buffalo. **James H. Mulligan**, executive secretary of the National Academy of Engineering, has been elected vice-president of the IEEE; two additional vice-presidents were to be elected in January.

Ragnar Holm, a Swedish-born physicist, received the 1969 Contribution Award of the Parts, Materials and Packaging Group of the IEEE. Holm, now a consultant for the Stackpole Carbon Co., St. Mary's Pa., was honored as the man whose "... work is the basis for all present activities on electrical contacts ..."

Robert Rediker, professor of electrical engineering at MIT, received the David Sarnoff Award of the institute during the IEEE October meeting in Washington. Cited for contributions to semiconductor-device research and injection lasers, Rediker received a medal, certificate and \$1000.

The IEEE Leeds Award for 1970 has been awarded to **Harold I. Ewen** of Ewen Knight Corp., East Natick,

Mass. Ewen, a radioastronomer, was cited "for contributions to the design of sensitive radiometric systems, and for the codiscovery of the 21-cm spectral line of interstellar hydrogen."

John A. Copeland of Bell Telephone Laboratories has been honored for his discovery of the limited space-charge accumulation mode of oscillation. The institute has awarded him its Liebmann medal; the presentation will be made in 1970. Copeland has been doing research on the Gunn effect; his present work includes theoretical studies of space-charge dynamics, thermal noise generation and interactions of bulk devices with external circuits.

Bradbury to Retire From Los Alamos Laboratory

Norris E. Bradbury, director of the Los Alamos Scientific Laboratory, will resign no later than October 1970, the date that marks his 25th anniversary as director. Bradbury succeeded **J. Robert Oppenheimer** and is only the second director in the history of the laboratory. He came to Los Alamos in 1944 from the Naval Proving Ground at Dahlgren, Va., to head the implosion field-test program.

A naval reserve officer, (and concurrently professor of physics at Stan-

ford University) Bradbury was released from active duty to become director of the laboratory. He is a fellow of the American Physical Society and the National Academy of Sciences, and has received the Department of Defense distinguished public service medal and an AEC citation. (The citation is the highest AEC award.)

Samuel Devons Wins IPPS Rutherford Medal and Award

The Institute of Physics and the Physical Society Rutherford Medal and Award for nuclear physics has been won by **Samuel Devons** of Columbia University. The biennial award was given in 1968 to **B. H. Flowers** of the University of Manchester; in 1966 **Peter Kapitsa** of the USSR Institute for Physical Problems was the winner. Devons, born in Wales, has been a professor at Columbia since he came to the US from England in 1959. He is director of the history of physics laboratory at Barnard College.

Franklin Institute Has New Head and Presents Awards

Bowen C. Dees is new president of the Franklin Institute. Dees, most recently provost for academic affairs at the University of Arizona, received a