WE HEAR THAT . . .



HOFSTADTER

Nobel Prize physicist and Stanford Robert professor Hofstadter was appointed director of high-energy the physics laboratory at Stanford University. He replaces Carlisle Barber, who has become professor at MIT.

Florida Technological University has named Harvey N. Rexroad, formerly at West Virginia University, department chairman. John R. Bolte, formerly with San Diego State Teachers College, has been named

professor.

New appointments at the Environmental Science Services Administration Research Laboratories include Robert W. Knecht as deputy director, C. Gordon Little as director of the wave-propagation laboratory Ralph J. Slutz acting director of the space-disturbances laboratory.

Tunis Wentink Jr, on leave from Geophysics Corporation of America, has been appointed National Science Foundation visiting professor at the Geophysical Institute, University of Alaska, for the spring semester.

Promotions at the City College of New York include Hiram Hart to professor, and Alvin Bachman, Philip Baumel and Myriam Sarachik to associate professor. Fred Rose is retiring.

Louis D. Roberts, formerly at Oak Ridge National Laboratory, and Charles S. Smith Jr, formerly with Case Western Reserve, have become professors at the University of North Carolina, Chapel Hill.

New appointments at Brown University include Hendrik J. Gerritsen from RCA Laboratories, Zürich and Princeton, and Frank S. Levin from Brookhaven and Harwell as associate professors, Peder J. Z. Estrup from the Bartol Research Foundation as associate professor jointly with the chemistry department, Gerald S. Guralnik from Rochester, David Penn from Chicago and Harwell and Krishnan

Raman from Syracuse as assistant professors, Raymond A. Lyttleton from Cambridge as visiting professor and W. Noel Cottingham from Birmingham as visiting associate professor. Promotions include George Seidel to professor, Anthony Houghton to associate professor and C. Azeez UI Haque, Joseph Rosen and Richard Murphy to assistant professors.

Courtland S. Randall has been named chairman of the information and exhibits division of Oak Ridge Associated Universities and Frederick P. Napp has been appointed new assistant chairman.

Russell G. Herron, retired Navy commander, has joined Planning Research Corp as a senior associate in the space-systems department.

James A. McLennan Jr, professor at Lehigh University, has been appointed acting department chairman in place of Raymond J. Emrich, who is on leave.

George S. Benton, director of research laboratories, Environmental Science Services Administration (ESSA), is president-elect for 1968 of the American Meteorological Society. Elected as councilors of the society are Alfred K. Blackadar, professor and head of the meteorology department, Pennsylvania State University; Fred D. White, head of the atmospheric-sciences section, National Science Foundation; William H. Best Jr, United States Air Force, deputy chief of staff, operations, Hq. Air Weather Service; David S. Johnson, director, National Environmental Satellite Center, ESSA and Robert D. Elliott, president of North American Weather Consultants.



HYDE

W. Lewis Hyde, director of the Institute of Optics, University of Rochester, has been appointed provost at the Bronx campus of New York University. A consultant to the Ameri-

can Institute of Physics, Hyde will assume his new position in June.

Promoted to the senior staff at Argonne National Laboratory were Malcolm Derrick and Kameshwar C. Wali, both of the high-energy physics division and Walter Y. Kato of the reactorphysics division.

John K. Hulm, director of solid-state sciences at Westinghouse Electric Corp, has been appointed to the National Science Foundation Advisory Committee for Science Education.

Walter Gilbert will become professor of biophysics at Harvard in July. He is a member of the new biochemistry and molecular biology department as well as of the physics department.

Professor emeritus at Massachusetts Institute of Technology Samuel C. Collins has become a vice-president of 500 Incorporated.



RAMSEY

Norman F. Ramsey, Higgins Professor of physics at Harvard and president of the Universities Research Association. joined the Middlebury College faculty as a visiting

professor for the spring semester. He will also direct a special summer conference in physics in June 1969, on the Middlebury campus.

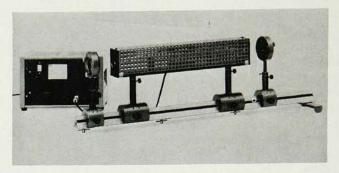
Cornell University has appointed Carl Sagan, formerly with Harvard, as associate professor in the astronomy department. Beginning in July he will work in the center for radiophysics and space research, which operates the Arecibo Ionospheric Observatory in Puerto Rico.

Herbert C. Corben, chief scientist of the physical research center, TRW Systems, is visiting professor at Queens College, N. Y.

Newly elected officers of the American Crystallographic Association for 1968 are Sidney C. Abrahams of Bell Laboratories, president, Walter C. Hamilton of Brookhaven, vice-president. Robert A. Young, professor at Georgia Institute of Technology, will succeed Robinson D. Burbank as treasurer

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in June. William L. Kehl of Gulf Research and Development Co starts his second three-year term as secretary.

At New York Institute of Technology Miriam Sidran, formerly with the research department at Grumman Aircraft, has become associate professor and deputy department chairman, and Robert Small, also from Grumman, has become associate professor. New assistant professors are Jack Lowenthal from Upsala College, James Kerwin from St John's and Lester Seigel from Columbia.

Karl G. Malmfors, former head of the Research Institute for Physics at Stockholm, is National Science Foundation senior scientist and professor at Kansas State University. Donald Lang of Harwell and Arie van Wijngaarden of the University of Windsor have been named visiting associate professors.

Indiana State University has appointed Torsten Alväger as associate professor. He was formerly with the University of Stockholm and the Princeton-Pennsylvania Accelerator at Princeton.

Frank Verbrugge, professor of physics and acting dean of the University of Minnesota Institute of Technology, has become director of the university computer services. In this position he



VERBRUGGE

will have responsibility for the general-purpose computing facilities. Warren B. Cheston, director of the university space-science center, was named dean of the Institute of Technology.

Stevens Institute of Technology has named Eugene T. Booth professor and dean-designate of graduate studies. Formerly scientific director and vicepresident of Laser Inc, he will become dean in June. Other promotions include Franklin Pollock to professor and Menasha Tausner to associate professor.

Stanislaw M. Ulam, head of the department of mathematics at the University of Colorado, has been given a joint appointment as professor of biophysics in the CU School of Medicine. Among the recipients of the National Medals of Science presented by President Johnson were Kenneth S. Cole, senior biophysicist at the National Institutes of Health, Jesse W. Beams, professor at the University of Virginia, and Gregory Breit, professor at Yale.

Sanford B. Newman has become chief of the materials-evaluation laboratory division at the National Bureau of Standards. Bascom W. Birmingham has been appointed executive officer of the NBS Boulder Laboratories. He will continue as chief of the cryogenics division.

Philco-Ford has made John R. Welty general manager of the microelectronics division and a vice-president of the corporation. Welty was formerly a vice-president of Motorola.

At Lake Forrest College Tung Hon Jeong has been promoted to associate professor.

Johnson Wins Armstrong Medal For 50 Years of Radio Study

The Radio Club of America has presented the Edwin H. Armstrong medal to John B. Johnson. A memorial to the inventor of frequency modulation and superheterodyne circuits, the award is presented to persons contributing outstandingly to the art and science of

Johnson, head of the instrument division at Thomas A. Edison Industries, won the medal in recognition of his discovery of the electromotive force due to thermal agitation in conductors -referred to by communications engineers as the "Johnson noise"-and for his productive career of more than 50 years. Active in early research on cathode-ray tubes, Johnson constructed the first modern oscilloscope tube. After finishing his studies at the University of North Dakota and Yale, he was associated with the Western Electric Co and Bell Laboratories for more than 25 years.

Watumull Foundation Award Conferred on N. S. Kapany

A pioneer in fiber optics, Narinder S. Kapany has won the first Distinguished Achievement Award of the Watumull Foundation. The award, presented by the Prime Minister of India, recognizes Kapany's many research contributions that have had wide applications in optics. Kapany, president and director of research at Optics Technology,



has contributed to lens design, spectroscopy, hypersonic reconnaissance and lunar-probe instrumentation. He has applied fiber-optic technology to television, astronomy, refractometry and nuclear-particle tracking.

The Watumull Foundation was established in 1942 with the objective of promoting better understanding between India and the US, increasing India's national efficiency and supporting institutions in Hawaii.

Panetti Engineering Prize Goes to Clifford Truesdell

The Academy of Science of Turin, Italy, has awarded the Modesto Panetti Prize in engineering to Clifford Truesdell, Ill. The prize carries a cash award of \$2500 and a gold medallion, Truesdell, professor at Johns Hopkins, is known for his work in rational mechanics.

IEEE Presents Medal of Honor to Gordon K. Teal

The principal award of the Institute of Electrical and Electronics Engineers was presented to Gordon K. Teal, vice president and director of the science and technology office at Texas Instruments Inc. Teal received the IEEE Medal of Honor for his contributions to single-crystal germanium and silicon technology and the single-crystal growth-junction transistor.

Bloom Gets Steacie Prize For Molecular-Physics Work

For his important work in molecular physics, Myer Bloom has received the 1967 Steacie Prize. Awarded annually for outstanding scientific work that has some connection with the Canadian scene, the prize consists of a \$1500 honorarium; it is named after the late Edgar W. R. Steacie, who was the president of the National Research