

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 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 vice-president 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 radio.

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,



KAPANY

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, III. 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



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