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ent synchrotron. Industrial Research Inc, which presents the award annually, publishes *Industrial Research* and *Oceanography International*.

Fritz London Award to Josephson of Cambridge

The Fritz London Award in Low Temperature Physics was made this year to Brian Josephson of Cambridge University for his theoretical predictions in superconductivity.

He was honored for predicting effects that "have provided concrete examples of macroscopic quantum phenomena, whose importance was stressed by Fritz London. In addition, the effects have led to the development of a variety of experimental tools of increased range, sensitivity and precision, applicable to many areas of research" (see article on page 23).

The award (supported by IBM Corp.) consists of a certificate and \$1000. It was given at the 12th International Conference on Low Temperature Physics; Josephson is the award's youngest recipient.

The University of Texas at El Paso named **C. Sharp Cook** as head of the physics department. **Juan O. Lawson** was promoted to associate professor in the department and named to the newly created position of assistant dean of the graduate school.

Louis R. Maxwell has retired as a senior research consultant at the Naval Ordnance Laboratory.

Promoted to head of the ion-implantation department in the Sprague Electric research and development center is **John A. Macdougall**.

Bell Laboratories promoted **Joseph H. Condon** to head of the systems-models research department, and **John T. La Macchia** to head of the graduate level, in-hours programs department.

At the University of Missouri-Rolla, **Jerry T. Dowell** and **Ralph Alexander** have been appointed assistant professors and **Alexander Animalu** has resigned to become associate professor at Drexel University. Dowell was formerly with Lockheed Research Laboratories and Alexander was a postdoctoral fellow at the university.

D. Allan Bromley, professor and director of the Arthur Williams Wright Nuclear Structure Laboratory at Yale University, has been named chairman of the physics department.

The former manager of Dow Corning's solid-state research and development, **E. L. Kern**, has become president of the new firm High Performance Technology, Inc. Joining him is **Dennis W. Hamill** who heads the firm's semiconductor-materials center and **Thomas Tucker** who has been named principal physicist.

At Brookhaven National Laboratory, **Glenn A. Price** has joined the office of scientific personnel. He was formerly with the department of applied science.

Robert F. King has joined Norton Co vacuum-equipment division as product manager.

Formerly professor and department chairman at Rose Polytechnic Institute, **Ralph A. Llewellyn** has become professor and chairman at Indiana State University.

L. A. Ferrari has succeeded **A. L. Harvey** as physics chairman at Queens College, and **Marion Dickey**, formerly of Brookhaven National Laboratory, has joined the department as assistant professor.

At Denison University, **F. Trevor Gamble** was promoted to professor and **Roderick M. Grant** to associate professor.

Jesse L. Greenstein has been appointed to the newly created Lee A. DuBridge Professorship at the California Institute of Technology. The chair was established and will be supported by the Associates of Cal Tech, a group of civic and business leaders, in honor of the former president of Cal Tech who has recently retired as President Nixon's science adviser. Greenstein is presently executive officer for astronomy at the university and is a professor of astrophysics and staff member of the Hale and Owens Valley Observatories. He is known for his research in the discovery of quasars, in stellar composition and in the evolution of stars.



GREENSTEIN

The director of the Center for Nuclear Studies at the University of Texas at Austin, **Ira L. Morgan**, has become chairman of the Atomic Energy Commission's Advisory Committee on Isotopes and Radiation Development.

At the University of Rhode Island, **Frederick H. Fisher**, formerly of the Scripps Institution of Oceanography, has become chairman of the physics department and **Jan Northby** of the University of Oregon was appointed assistant professor.

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The new vice-president of research and engineering for Packard Instrument Co is **Sidney Soloway**, who was with the instrument division of Fisher Scientific Co.

The National Academy of Engineering elected **Clarence H. Linder** as its first full-time president and **Chauncey Starr** as its vice-president. Linder is a retired vice-president and group executive of the General Electric Co, and Starr is dean of the College of Engineering and Applied Science at the University of California, Los Angeles.

The City College of the City University of New York has named **S. J. Lindenbaum** to the newly created Mark W. Zemansky Chair in Physics and **Bunji Sakita** as distinguished professor. Lindenbaum, who will continue to work at Brookhaven National Laboratory, is known for his work on strong interactions in his precise measurements on high-energy scattering.

Formerly with the University of Wisconsin, Sakita conceived the SU(6) particle theory in 1964 while at Argonne National Laboratory. During the 1970-71 academic year he is at the Laboratoire de Physique Theorique, University of Paris, and the Institute des Hautes Etudes.

Other faculty changes at the college include the retirement of **Robert Wolff** and **Lawrence Wills**. Newly appointed associate professors are **Keiji Kikkawa** of the University of Tokyo and **Philip Bloomfield** from the University of Pennsylvania. **Timothy Boyer**, of the University of Maryland, **Robert Callender**, recently with the University of Paris, **Joel Gersten**, Bell Telephone Laboratories, and **Frederick Smith**, Rutgers University, have been named as assistant professors. Promoted to professor are **Marvin Mittleman** and **Harold Stolov** and to associate professor, **Martin Tiersten**.

Formerly with the Michelson Laboratory at the Naval Weapons Center, **Bernhard O. Seraphin** has become a professor at the Optical Sciences Center at the University of Arizona.

Michael J. Glaubman has become chairman of the physics department at Northeastern University. **Alan H. Cromer**, **Marvin W. Gettner** were promoted to professor, **J. Edward Neighbor** to associate professor and **William L. Faissler** to assistant professor. Newly appointed assistant professors are **David R. Bowen** and **James M. Loveluck**.

William G. Hodgson was promoted to manager of the analytical and spectroscopy section at the American Cyanamid Co., Stamford Research Laboratories. □

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