

Texas Instruments has added several new members to its technical staff. They include **Dennis D. Buss**, formerly assistant professor of electrical engineering at Massachusetts Institute of Technology, **Al F. Tasch**, recent PhD from the University of Illinois and **James D. Boyd**, new PhD from the University of Missouri.

**Eric Manning Jones**, who received his PhD in astronomy and physics from the University of Wisconsin, has joined the Testing Division of the Los Alamos Scientific Laboratory.



KULTHAU

A professor of aerospace engineering and associate provost for research at the University of Virginia, **A. Robert Kulthau**, has been appointed president of the Universities Space Research Administration. This association of 48 universities was founded to promote cooperation among universities, the federal government and other space-oriented organizations for the advancement of space research.

Another provost of the University of Virginia, professor of physics **Frank L. Hereford Jr.**, was promoted to the rank of vice president of the university.



WEBER

On 1 July **Ernst Weber** will succeed **John A. Hutcheson** as chairman of the division of engineering of the National Research Council. Earlier this year Weber became president emeritus of the Polytechnic Institute of Brooklyn, after serving as president since 1957 and as a member of the faculty since 1930.

**Morris Schulkin** has been named associate director for acoustics for the US Naval Oceanographic Office. Schulkin was assigned to this post from the Navy Underwater Sound Laboratory, New London, Conn., where he has

been chief consultant on underwater acoustics propagation. In his new post he will coordinate Oceanographic Office ocean research with ocean research carried out by other laboratories. Schulkin's research has been in microwave radiation (he was chief of the radio-meteorology section at National Bureau of Standards from 1948-1950) as well as underwater acoustics.

**Robert J. Phelan**, formerly with the Lincoln Laboratories at the Massachusetts Institute of Technology, has joined the National Bureau of Standards in Boulder as a member of its quantum electronics group.

Two former employees of the Lawrence Radiation Laboratory in Livermore have accepted positions with Physics International Company in San Leandro, California. **James S. Kahn** and **Carl F. Cline** are now manager and deputy manager, respectively, of the advanced technology department there.

**Roy W. Gould**, professor of electrical engineering and physics at the California Institute of Technology, will replace **Amasa S. Bishop** as assistant director for controlled thermonuclear research at the Atomic Energy Commission. Bishop plans to devote his time to environmental problems and to move back to Europe.

Textile Research Institute of Princeton has announced the retirement of **W. James Lyons**, senior physicist and director of physics and mechanical processing with TRI.

**Herwig F. Schopper** has assumed leadership of the Nuclear Physics Division at CERN. He had been chairman of the Scientific Council of the Nuclear Research Center in Karlsruhe.

The physics department of the University of Wyoming has announced several new appointments to its faculty. **E. Lee Schick**, from the University of Southern California, has been appointed associate professor while **Raymond Kunselman** from the University of California, Berkeley, and **Jean**

**Pierre Biscar** from the University of California, Los Angeles, have been named assistant professors. **Werner Guttinger**, National Science Foundation Senior Foreign Scientist, and **Ernst Pfaffelhuber**, University of Munich, will become visiting professor and visiting assistant professor, respectively.

This month **Krzysztof Serkowski** from the Australian National University in Canberra begins work as associate professor at the Lunar and Planetary Laboratory of the University of Arizona in Tucson.

The Griffith Observatory in Los Angeles has a new director, **William K. Kaufman**, who comes to the observatory after postdoctoral work at the California Institute of Technology. He replaces **Clarence H. Clemmshaw**, director for 11 years.




KUNZLER

**J. Eugene Kunzler**, formerly head of the Metal Physics Research Department at Bell Telephone Laboratories, was promoted to director of the Electronic Materials Laboratory. Kunzler's research interests are in low-temperature solid-state physics. He directed work that led to the discovery of high-field, high-current superconductors and superconducting magnets.

The new director of the computer center at Millersville State College in Pennsylvania is **Thomas J. Houser**, formerly with the Nuclear-Chicago Corp.

**Daniel J. Horen** has been appointed director of the Nuclear Data Project at the Oak Ridge National Laboratory, replacing ORNL assistant director **Arthur H. Snell**, who had been acting director since 1968. Horen leaves the US Naval Radiological Defense Laboratory in San Francisco where he was head of the accelerator branch.

A new member of the research staff at RCA Laboratories is **Raymond J. Beshinske**. Formerly assistant profes-



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sor at St. John's University, Beshinske will work in the Systems and Programming Research Laboratory at the David Sarnoff Research Center in Princeton.



YORK

**Carl Monroe York Jr.** has joined the staff of the Office of Science and Technology, advisory board to the President on scientific matters. York has been assistant chancellor-research

at the University of California, Los Angeles, since 1965 and has served the government previously as chairman of the Advisory Committee for Planning of the National Science Foundation.

Yeshiva University will host **Peter G. Bergmann**, professor of physics at Syracuse University, as visiting professor for the spring semester in the Belfer Graduate School of Science.

**Eugenio Lerner** is new assistant professor of physics at Stevens Institute of Technology, Hoboken, N. J. Lerner had been a research associate at the Stevens Cryogenics Center since 1967.

**John C. Simons, Jr.** is director of development of Vacuum Industries Inc, Somerville, Mass. Simons had most recently headed his own firm of engineering consultants, and previously directed applied-physics and vacuum-technology programs at the National Research Corp.

**William B. Fowler**, now of Brookhaven National Laboratory, will be head of the bubble-chamber group of the experimental-facilities section at the National Accelerator Laboratory, Batavia, Ill.

**Monroe S. Wechsler** is a visiting professor in the department of metallurgy and the Ames Laboratory at Iowa State University. He is on leave from the Oak Ridge National Laboratory.

The Massachusetts Institute of Technology has appointed **Albert G. Hill**, professor of physics, to be vice-president for research, a new position combining responsibilities for research at laboratories both on and off campus.

Another physics professor at MIT, **Anthony P. French**, has become associate head of the department.

The National Planning Association has named **Sherwood L. Fawcett**, president of Battelle Memorial Institute, a member of its National Council. The council promotes cooperation among major US economic groups to help solve domestic and international problems.

### 1970 Charles Goodyear Medal Goes to Samuel D. Gehman

The American Chemical Society's division of rubber chemistry will award the Charles Goodyear Medal to Samuel D. Gehman at its spring meeting in Washington, D. C. Gehman, retired manager of physics research in the Goodyear Tire and Rubber Company's research division, receives the award for contributions to the science and technology of rubber.

### Hess, McIlwan, Receive AIAA Awards at Honors Banquet

During its January meeting in New York, the American Institute of Aeronautics and Astronautics presented the G. Edward Pendray Award, given for an outstanding contribution to aeronautical and astronautical literature, to Wilmont N. Hess, Director of Research Laboratories at the Environmental Science Services Administration. The citation mentioned a text written by Hess, *The Radiation Belt and Magnetosphere*. The AIAA Space Science Award went to Carl E. McIlwan of the University of California, San Diego for his research on radiation trapped in the earth's geomagnetic field and for his formulation of a system of coordinates useful in such studies.

### Royal Netherlands Academy Honors Francis Bundy of GE

Francis P. Bundy has been awarded the Bakhuis Roozeboom Foundation gold medal by the Royal Netherlands Academy of Sciences. The award, which has been given only eight times since it was established in 1911, is for work in heterogeneous phase equilibria; Bundy, a physicist at the General Electric Research and Development Center, Schenectady, was part of the team that developed manmade industrial diamond at GE.

### Physicists Are Winners of NSF Fellowships

The National Science Foundation has announced 58 winners of senior postdoctoral fellowships. The physicist recipients, who must have received their PhD degree at least five years ago, include Joseph M. Ballantyne, Clyde K. Edmiston, Alfred S. Goldhaber, Karl T. Hecht, Robert W. Hellwarth, Thomas W. Koenig, John T. Kuo, William G. Oldham, Norman E. Phillips, Arthur L. Schawlow, David A. Shirley, Albert J. Sievers, Edward A. Stern, Edward H. Thorndike, Anthony L. Turkevich, Gershon Vincow, David H. White and Robert M. White.

### Robert Gilruth, John Evans Win Public Service Awards

Robert R. Gilruth, Director of the National Aeronautics and Space Administration Manned Spacecraft Center, and John W. Evans, director of the Sacramento Peak Observatory, Sunspot, N. M., are among the seven winners of the 1969 Rockefeller Public Service Awards. The awards, given annually for distinguished service to the US government, are administered by the Princeton University Woodrow Wilson School of Public and International Affairs and carry a cash grant of \$10 000 each.

Gilruth, who was director of Project Mercury before he became director of the Manned Spacecraft Center in 1961, received a special at-large award for "an extraordinary accomplishment of so broad a nature that it can not properly be categorized by one field of endeavor." Evans, who is an optical physicist as well as an astrophysicist and designed many of the instruments used at Sacramento to study solar phenomena, won the Science, Technology or Engineering Award. Presentation of awards took place in December.

### Dennis Gabor Honored For Discovery Of Holography

At the international convention and exhibition of the Institute of Electrical and Electronics Engineers held in New York in March, Dennis Gabor received the institute's Medal of Honor for his "discovery and verification of the principles of holography." Gabor produced the first hologram in 1948, years before the development of the laser made possible high quality holography. Currently Gabor is pro-