
We hear that...

Bruce H. Billings, vice president and director of Baird-Atomic, Inc., has been named assistant director of research and engineering in charge of "special projects" for the Department of Defense.

Robert L. Christensen has been appointed staff physicist at the International Business Machines Corporation's Poughkeepsie, N. Y., research laboratory. **Edward M. Da-Silva**, **Morton D. Reeber**, and **Robert T. C. Tsui** have been appointed associate physicists at the laboratory. Other IBM personnel who have received new appointments (rather than becoming new members of the laboratory staff, as was indicated incorrectly in another issue) are: **R. C. Casella**, staff physicist; **Richard A. Connell**, project physicist; **Seymour P. Keller**, senior chemist; **Emerson W. Pugh**, research physicist; and **Donald P. Seraphim**, staff metallurgist.

Dale R. Corson, professor of engineering physics and chairman of the Physics Department at Cornell University, Ithaca, N. Y., has been named dean of Cornell's College of Engineering.

Frederic de Hoffmann has been promoted to the positions of senior vice president of General Dynamics Corporation and president of the firm's General Atomic Division in San Diego. **E. C. Creutz** has been appointed vice president of research at General Atomic.

Jack S. DeMunck, formerly at the Naval Ammunition Depot, Lualualei, Hawaii, has joined the Countermeasures Evaluation Branch of the US Naval Radiological Defense Laboratory in San Francisco.

C. S. Draper, head of the Department of Aeronautics and Astronautics at the Massachusetts Institute of Technology, has been appointed chairman of the National Inventors Council, a liaison agency between the US Armed Forces and civilian inventors. **Harald A. Enge** and **Louis S. Osborne** have been promoted to associate professors of physics at MIT.

Shelden D. Elliott, Jr., **Arlin J. Krueger**, and **Richard T. Zbur** have joined the Astronautical Sciences Division of the Research Department at the US Naval Ordnance Test Station, China Lake, Calif.

Walter M. Elsasser of the University of California at La Jolla was presented on May 6 with the William Bowie Medal, the highest award of the American Geophysical Union, which is given for "unselfish cooperation in research".

The following joined the Department of Physics at the Florida State University in Tallahassee during 1958-59: **Paul Erdos**, on leave of absence from the IBM Research Laboratory, Zurich; **Richard H. Lemmer** from the Uni-

versity of Pretoria; **Theo. A. J. Maris** from the University of Uppsala and the Niels Bohr Institute of Theoretical Physics, Copenhagen; **Basharat A. Munir** from the University of Birmingham; **L. Donald Pearlstein** from the University of Pennsylvania; and **Y. C. Tang** from the University of Illinois.

William M. Fairband, currently associate professor of physics at Duke University, has accepted an appointment as professor of physics at Stanford University, beginning with the fall semester.

Herbert Friedman, superintendent of the Atmosphere and Astrophysics Division, US Naval Research Laboratory, received the Department of Defense Distinguished Civilian Service Award on May 6. Dr. Friedman was cited for "outstanding accomplishments in the development of radiation detection devices and in the conduct of important research in astronomy and astrophysics, including the first ultraviolet survey of the celestial sphere".

Royal M. Frye, formerly at Simmons College in Boston, has been appointed professor of physics at Merrimack College, North Andover, Mass.

Osmund T. Fundingsland, manager of Sylvania Electric's Microwave Physics Laboratory for the last three years, has been appointed director of research at Raytheon Manufacturing Company, Waltham, Mass.

Glenn W. Giddings has been named educational relations consultant for the General Electric Company's Educational Relations and Support Service, with headquarters at Crotonville, N. Y. Dr. Giddings, who was formerly manager of research personnel at GE's Research Laboratory in Schenectady, N. Y., will be responsible for relations with institutions and associations engaged in scientific and technical education. He will also be concerned with GE's program of support to education at the postgraduate and undergraduate levels.

J. Charles Grosskreutz has been promoted at the Midwest Research Institute in Kansas City to the newly created position of principal physicist.

John T. Hayward has been promoted to vice admiral in the US Navy and assigned to the newly created post of deputy chief of naval operations for development with headquarters in Washington, D. C.

Albert G. Hill, who has served since 1955 as director of research for the Weapons System Evaluation Group and as vice president and director of research for the Institute of Defense Analysis, has returned to the staff of the Massachusetts Institute of Technology. He will also be associated with General Atronics Corporation and Atronic Products, Inc., of Bala-Cynwyd, Pa., in the capacity of a director of both corporations and as an active consultant.

Hubert M. James has been appointed head of the Department of Physics at Purdue University, Lafayette, Ind. He has been acting head of the department since the death of Karl Lark-Horovitz in April 1958.

Leon Katz has been granted a sabbatical leave by the University of Saskatchewan in Saskatoon and will spend ten months doing nuclear physics research at the Atomic Energy Research Establishment, Harwell, England, followed by two months at the University of Torino, Italy,

where he will collaborate with Italian scientists on a research project. He will return to Saskatchewan in the fall of 1960.

Alfred A. H. Keil, formerly with the Underwater Explosions Research Division of the Norfolk Naval Shipyard, has been appointed technical director of the Structural Mechanics Laboratory at the David Taylor Model Basin in Washington, D. C.

Mervin J. Kelly, recently retired chairman of the board of the Bell Telephone Laboratories, will serve as a consultant to Bausch & Lomb Optical Co., Rochester, N. Y.

William F. Miller has been appointed director of the Applied Mathematics Division at Argonne National Laboratory, Lemont, Ill. **Kundan S. Singwi**, formerly head of the Theoretical Physics Division of India's Atomic Energy Establishment and reader at the Tata Institute of Fundamental Research, Bombay, has joined Argonne's solid-state sciences staff.

Roger Newman, formerly with the GE Research Laboratories, has joined the Hughes Aircraft Product Group as head of the Semiconductor Division's Physics Department in Newport Beach, Calif. **Thomas D. Hanscome** from the US Naval Research Laboratory and **Walter G. Wadey** from Yale University have joined the firm's Nuclear Electronics Department in Culver City, Calif.

Thor L. Smith, formerly at the Caltech Jet Propulsion Laboratory, has joined Stanford Research Institute, Menlo Park, Calif., where he will be a member of the propulsion group recently created within the Institute's Poulter Laboratories. **Donald B. Harris**, formerly of the General Electric Microwave Laboratory, has joined SRI as a senior executive engineer and will assist in administering research programs in the eight laboratories of the Engineering Research Division.

George C. Southworth, formerly with the Bell Telephone Laboratories, has been named a consultant for advanced research and development work in electronics at Goodyear Aircraft Corporation's Arizona Division, located in Litchfield Park, Ariz.

Otto Struve, professor of astronomy and director of the Leuschner Observatory at the University of California since 1950, has been named as the first director of the National Radio Astronomy Observatory, Green Bank, W. Va. The observatory, which is being constructed and operated by Associated Universities, Inc., under contract to the National Science Foundation, was designed to supplement facilities available to university research scientists and includes the 85-ft Howard E. Tatel precision radio telescope recently put into operation, a 140-ft radio telescope now under construction, and a variety of auxiliary devices.

William E. Williams has been elected to the board of directors of the Bulova Research and Development Laboratories, Inc., and will serve as scientific adviser to Everett M. Patterson, president of the Laboratories.

Joseph P. Wronski, formerly of the Westinghouse Bettis Atomic Power Division, has joined the Research and Development Laboratory at the US Asbestos Division of Raybestos-Manhattan, Inc., in Manheim, Pa., as head of the Physics Section.

EXPERIMENTAL ENGINEERS AND PHYSICISTS

For the expansion of a small group of competent physicists and engineers who are concerned with the development of basically new techniques and the solution of problems in advanced electronic technology.

This group is responsible for devising methods for the solution of special problems and for the experimental verification of these methods.

The final engineering is normally carried out by other groups in the organization.

The varied nature* of this work requires both recent graduates and experienced people capable of accepting primary responsibility for the solution of problems of varying degrees of complexity.

The work is stimulating and satisfying in comfortable and pleasant surroundings in suburban Detroit.

Opportunity for advanced study.



Included in the current investigations are problems of angle of arrival measurement, ultrabroad band receivers, new antenna concepts, new counter-countermeasure and countermeasure concepts, logical systems design, electromagnetic detection, new product development, microwave research, electron tubes and acoustics.

**Write or wire Fred A. Barry,
Research Laboratories Division,
Bendix Aviation Corporation
P.O. Box 5115, Detroit 35, Michigan**

**Research Laboratories
Division** SOUTHFIELD, MICHIGAN

