



William O. Baker, vice president for research at the Bell Telephone Laboratories, has been appointed to the Trustees' Scientific Advisory Board of Mellon Institute, Pittsburgh, Pa.

Ernst Bauer, formerly a member of the physics staff at the University of Munich, Germany, has joined the Research Department at the US Naval Ordnance Test Station, China Lake, Calif., where he will inaugurate a fundamental research program in high-resolution electron microscopy and electron diffraction.

Bernard Bernstein has been named general manager of the new Advanced Development and Systems Division at Gulton Industries, Inc., Metuchen, N. J. The new division is a consolidation of the company's Ordnance Systems Department, Underwater Sound Laboratory, Fuze Development Group, and Atomic Energy Research Program.

James J. Billings has joined the GMX Division of the University of California's Los Alamos Scientific Laboratory, Los Alamos, N. M.

Wallace R. Brode, associate director of the National Bureau of Standards (now on leave as science adviser to the Secretary of State), and **Wilfrid B. Mann**, chief of the Radioactivity Section in the NBS Atomic and Radiation Physics Division, were presented with Department of Commerce Exceptional Service Awards on February 12, during the Department's Tenth Annual Awards Program. The following were among a group of NBS staff members to receive the Department's Meritorious Service Awards: **Elmer N. Bunting**, **Everett G. Fuller**, **Irvin H. Fullmer**, **Evans Hayward**, **Floyd A. Mauer**, **Howard H. Seliger**, and **Richard E. Trees**. **Charles M. Eisenhauer**, formerly at Brookhaven National Laboratory, has joined the Bureau's Atomic and Radiation Physics Division. At the NBS Boulder Laboratories, **David M. Gates**, formerly scientific director of the London branch of the Office of Naval Research, has been appointed assistant chief of the Radio Propagation Physics Division.

Richard I. Condit, formerly president of the Boardview Research Corp., has joined the staff of Stanford Research Institute, Menlo Park, Calif., as a senior scientist attached to the Naval Warfare Research Center.

Hans Courant has joined the Physics Department at Brookhaven National Laboratory, Upton, N. Y.

Richard F. Daly, formerly of the Ramo-Wooldridge Corp., has joined the Electronics Research Directorate Staff of the Air Force Cambridge Research Center as a physicist and chief of the Program Plans Section. The Section is responsible for long-range planning for electronics research and development within the Air Force.

Paul M. Fye, formerly associate technical director for research at the Naval Ordnance Laboratory, Silver Spring, Md., and special adviser for the Polaris missile program, has been named director of the Woods Hole Oceanographic Institution in Woods Hole, Mass. Dr. Fye succeeds **Columbus O'D. Iselin**, who will continue to be associated with Woods Hole as the first Henry Bryant Bigelow Oceanographer, a chair recently founded by the Institution's Board of Trustees.

J. N. Gadel, formerly a physicist in the Ammunition Research Laboratory of the Picatinny Arsenal, has joined the Pyrofilm Resistor Co., Inc., Parsippany, N. J.

Ross Gunn, after more than thirty years spent at the US Naval Research Laboratory and the US Weather Bureau, has joined the staff of the American University, Washington, D. C., as visiting research professor of physics. Under an Atomic Energy Commission contract Dr. Gunn will be associated full time with the Controlled Thermo-nuclear Branch of the AEC's Research Division and will assist in the AEC Nuclear Fusion Power Program being conducted at the University.

Harvey Hall, professor of physics and chairman of the Physics Department at Florida State University at Tallahassee, was awarded the Navy's Meritorious Civilian Service Award on January 6. Prof. Hall was formerly director of the Naval Analysis Group in the Office of Naval Research. **Alex E. S. Green**, currently at Los Alamos Scientific Laboratory on leave from Florida State, will return to Tallahassee in the fall to his position as professor of physics and scientific director of the tandem Van de Graaff program at the University. **M. A. Melvin**, who has been on leave at Uppsala, Sweden, for the past two years, will also return to Florida State in the fall as professor of physics.

Donald R. Hamilton, a member of Princeton University's Department of Physics since 1946, has been elected dean of the Princeton Graduate School. Dr. Hamilton will succeed **Hugh S. Taylor**, who has reached Princeton's compulsory retirement age. Dr. Taylor will relinquish his administrative duties on July 1, after a thirteen-year tenure.

Edward G. Harris, formerly with the Radiation Division of the Naval Research Laboratories, and **R. W. Lide**, of the University of Michigan, were named assistant professors of physics at the University of Tennessee, Knoxville, in September 1957. **Norman M. Gailar**, currently completing his PhD at Ohio State University, will join Tennessee's Department of Physics early this summer.

Lester Hogan, professor of applied physics at Harvard University, has been appointed manager of Motorola's Semiconductor Division in Phoenix, Ariz., effective July 1, succeeding **J. T. Hickey**, who has been named assistant to the president for long-range planning on Motorola's corporate staff in Chicago.

David R. Hull has been appointed to the newly created position of vice president for Defense Programs at the Raytheon Manufacturing Co., Waltham, Mass. For the past seven years he has been vice president and general manager of Raytheon's Equipment Operations.

Frances L. Lummis and Frank L. Matossi were among a group of civilian employees at the US Naval Ordnance Laboratory, Silver Spring, Md., who recently received Meritorious Civilian Service Awards.

Henry M. Morgan, assistant professor at Massachusetts Institute of Technology, has been appointed assistant director of Fabric Research Laboratories, Inc., Dedham, Mass. He will also continue to lecture at MIT.

Frank E. Myers, dean of the Graduate School and head of the Department of Physics at Lehigh University, Bethlehem, Pa., has been granted a two-year leave of absence to accept a position as associate laboratory director of the Argonne National Laboratory, Lemont, Ill. Raymond J. Emrich will succeed Dr. Myers as head of Lehigh's Department of Physics.

Louis N. Ridenour, head of research for Lockheed Missile Systems Division, Sunnyvale, Calif., has again been appointed to the Air Force's Scientific Advisory Board. Dr. Ridenour previously served on the Board from 1948 to 1952. In 1949 he was chairman of a committee to survey Air Force research and development activities. The resulting report of that committee led to the establishment of the Air Research and Development Command and of the office of Deputy Chief of Staff for Development.

Charles H. Schauer has been elected a vice president of Research Corp., a nonprofit foundation which supports scientific research in educational and scientific institutions. Mr. Schauer will also continue in his present capacity as director of grants.

Kurt E. Shuler, formerly head of the High-Temperature Processes Group of the National Bureau of Standards Heat Division, has been named science adviser to the Research Staff of the General Motors Corp., Warren, Mich.

Robert D. Slantz, formerly at the General Electric Co., has been named assistant professor of physics at Union College, Schenectady, N. Y. Mr. Slantz will fill the vacancy left by Cecil W. Byers, associate professor emeritus of physics, who has been named head of the Physics Department at Hillsdale College, Hillsdale, Mich. Richard W. Henry, an alumnus of Union College who is currently completing his PhD degree at the University of Illinois, will return to Union next fall as assistant professor of physics.

Roy F. Stratton, from the University of Tennessee, has been appointed to the staff of the Oak Ridge National Laboratory, Oak Ridge, Tenn.

C. N. Yang of the Institute for Advanced Study, Princeton, N. J., and Julian Schwinger of Harvard University will spend the summer as visiting members of the University of Wisconsin Department of Physics. They will join the staff at Madison about July 10 and will stay approximately two months.

Paul R. Zilsel of McMaster University, Hamilton, Ont., has been appointed visiting lecturer in physics at Western Reserve University, Cleveland, Ohio, for the academic year 1958-59.

**Excellent opportunities
at IBM**

SOLID-STATE DEVELOPMENT

Excellent opportunities for well-qualified men with solid-state experience are now open at IBM, a recognized leader in the rapidly expanding electronic computer field. Current openings at IBM's Product Development Laboratory at Endicott, N. Y., are in the following:

- Solid-state physics
- Semi-conductor device evaluation
- Circuit applications of magnetic devices
- Circuit applications of semi-conductor devices
- Magnetic device evaluation
- Physical chemistry

Challenging assignments in developing solid-state circuits, using both magnetic and semi-conductor devices. Heavy interest in theoretical analysis and evaluation of pulse circuit operation and components.

Qualifications

Degree in: electrical, mechanical or chemical engineering, physics, engineering physics, mathematics, metallurgy or chemistry, and

At least one year's experience in the design and development of solid-state devices or circuits.

FOR DETAILS, just write, outlining background and interests, to:

Mr. W. R. Yapple, Dept. 640-P
Product Development
Laboratory
IBM Corporation
Endicott, N. Y.

IBM
®

**INTERNATIONAL
BUSINESS MACHINES
CORPORATION**

DATA PROCESSING
ELECTRIC TYPEWRITERS
MILITARY PRODUCTS
SPECIAL ENG'G. PRODUCTS
SUPPLIES
TIME EQUIPMENT