



Benjamin B. Bauer has been appointed a vice president of CBS Laboratories and head of the newly formed Department of Acoustics and Magnetics. Also established recently were the Department of Reconnaissance and Electronic Systems and the Department of Physics, which will be headed by CBS vice presidents **Joseph Bambara** and **John W. Christensen**, respectively. All major activities of the laboratories are now being carried out under these three departments.

Lyman G. Bonner has been appointed to the newly created position of director of development of the Explosives Department at the Hercules Powder Co. Research Center in Wilmington, Del. **L. G. Maury** has been named manager of the Explosives Research Division and High-Pressure Laboratory.

Donald L. Bowers, formerly a research assistant at Cornell University, has joined the Test Division at the University of California's Los Alamos Scientific Laboratory. **William A. Ranken**, previously with the Union Carbide Nuclear Co., has joined Los Alamos as a physicist in the Laboratory's N Division.

Sydney Chapman, professor of geophysics at the University of Alaska and a member of the research staff of the High-Altitude Observatory, Boulder, Colo., has been named as a consultant to the University of Michigan Engineering Research Institute at Ann Arbor for a two- to six-month period between August 1 and February 28. He has also been appointed visiting lecturer in both the College of Literature, Arts, and Science and the College of Engineering for the coming academic year. **Robert R. Lewis**, currently a member of the University of Notre Dame faculty, has been appointed assistant professor of physics at Michigan for a three-year term beginning with the 1958-59 academic year. **Paul F. Zweifel**, consulting physicist at General Electric's Knolls Atomic Power Laboratory since 1953, will join Michigan's staff for a two-year period beginning this fall as associate professor of nuclear engineering.

Raymond Davis has retired as chief of the Photographic Technology Section of the Optics and Metrology Division at the National Bureau of Standards after more than 46 years of service. He has been appointed to serve as a consultant to the division for the next year.

William R. Davis, **Wesley O. Doggett**, and **David H. Martin**, formerly associated with the University of Oklahoma, Wright-Patterson Air Force Base, and Douglas Aircraft Co., respectively, have joined the Physics Department at North Carolina State College of Agriculture and Engineering at Raleigh as assistant professors.

Roger S. Estey has joined the technical staff of Nortronics, a division of Northrop Aircraft, Inc., located in Hawthorne, Calif.

Paul P. Ewald, professor of physics and retired chairman of the Department of Physics at the Polytechnic Institute of Brooklyn, has been elected a fellow of the Royal Society of London.

Martyn Foss, **Lawrence E. Glendenin**, **Gerhart R. Hennig**, **John R. Huizenga**, **Bernard Smaller**, and **Ellis P. Steinberg** have been appointed to the rank of senior scientist at Argonne National Laboratory, Lemont, Ill.

The following are new members of the Physics Section at the Convair Division of General Dynamics Corp., San Diego, Calif.: **F. C. Harshbarger**, formerly associated with the Norwegian Institute of Technology at Trondheim; **H. M. Lieberstein**, formerly with the Ramo-Wooldridge Corp.; **R. A. Pappert**, from Cornell University; **H. F. Poppendiek**, formerly of General Atomic; **A. R. Rana**, formerly of Admiral Corp.; **S. Rand**, from the New York University Institute of Mathematical Sciences; and **J. A. Thomson**, from the California Institute of Technology.

Gregory K. Hartmann, technical director of the US Naval Ordnance Laboratory at Silver Spring, Md., has received the Defense Department's Distinguished Civilian Service Award for outstanding technical and administrative direction of the Laboratory and for his major contributions to the advancement of American military science and technology.

Horace A. Howe, formerly of Reed College and the University of California at Los Angeles, has joined the staff of the US Naval Radiological Defense Laboratory in San Francisco, Calif., as head of the Accelerator Branch, Nucleonics Division. **Hans Welton**, who has spent the past seven years in the Orient as an instructor for US military personnel stationed in Japan, Guam, Korea, and Okinawa, is now temporarily affiliated with the Radiological Defense Laboratory. In the fall he will become head of the Physics Department at Robert College, Istanbul, Turkey.

Leonard S. Kisslinger, assistant professor of physics at Western Reserve University, Cleveland, Ohio, will be on leave of absence during the 1958-59 academic year while visiting the University Institute for Theoretical Physics in Copenhagen, Denmark, where he will work under a Research Corp. fellowship. **Joseph W. Weinberg**, formerly of the University of Minnesota, has been appointed visiting lecturer in physics at Western Reserve for the 1958-59 academic year.

Arthur E. Lilley, assistant professor of astronomy at Yale University, has been named the first recipient of the Bart J. Bok Prize, recently established by the Harvard University Observatory Council. The prize is awarded to a recent holder of the PhD degree in the physical sciences (under 35 years of age) from either Harvard or Radcliffe College, and preferably to one whose research has related to observations of the Milky Way.

Howard R. Lillie has been appointed to the newly created position of staff research manager in the Research

and Development Division of Corning Glass Works, Corning, N. Y. **William W. Shaver** succeeds Mr. Lillie as manager of the Division's Fundamental Physical Research Department.

Robert I. Louttit has joined the Physics Department at Brookhaven National Laboratory, Upton, N. Y.

Joseph Morgan, professor of physics and director of the engineering program at Texas Christian University, Fort Worth, has been appointed chairman of the Department of Physics, effective September 1. He succeeds **Newton Gaines** who retires after holding the department's chairmanship for the past 34 years.

Theodore Schiffman has been named assistant manager of the Propulsion and Fluid Mechanics Research Department at Armour Research Foundation of Illinois Institute of Technology in Chicago.

Donald L. Stierwalt, formerly at Syracuse University, has joined the staff of the Infrared Division at the US Naval Ordnance Laboratory, Corona, Calif.

Richard M. Sutton, currently professor of physics with the Case Institute of Technology Management Development Program, has accepted an appointment as professor of physics and director of relations with secondary schools at the California Institute of Technology, effective September 1.

Edward Teller, head of the Livermore Laboratories of the University of California, was presented with the Albert Einstein Medal and Award of the Lewis and Rosa Strauss Memorial Fund at ceremonies held May 5 at Atomic Energy Commission headquarters. AEC chairman Lewis L. Strauss, president of the Fund, established the award some years ago in memory of his parents, the late Lewis and Rosa Strauss of Richmond, Va. Heretofore, the award has been made at three-year intervals and has carried with it a cash prize of \$15 000; it was recently decided that the award will be made annually and the prize divided accordingly. In a statement announcing this year's recipient, Admiral Strauss paid high tribute to Dr. Teller for having contributed to studies from which "*came the triumph of producing on earth the thermonuclear reactions of the sun and stars. This was first achieved in the hydrogen bomb which greatly strengthened US national security and well-being. More recently, Dr. Teller has been a leader in the research designed to convert this man-made counterpart of the sun's energy to peaceful uses for the benefit of all mankind.*"

Robert B. Vaile has been named chairman of the Physics Department at Stanford Research Institute, Menlo Park, Calif.

John H. Williams, professor of physics and director of the proton linear accelerator project at the University of Minnesota, has been granted leave of absence by the University to accept an appointment as director of the Research Division of the US Atomic Energy Commission. The appointment became effective on April 17. Dr. Williams, who is a former president of the Midwestern Universities Research Association (MURA), succeeds Thomas H. Johnson, who resigned on October 1, 1957, to manage the Research Division of the Raytheon Manufacturing Co., Waltham, Mass.

*To the talented engineer
& scientist*

APL OFFERS GREATER FREEDOM OF ACTIVITY

APL has responsibility for the *technical direction* of much of the guided missile program of the Navy Bureau of Ordnance. As a result staff members participate in assignments of challenging scope that range from basic research to prototype testing of weapons and weapons systems.

A high degree of freedom of action enables APL staff members to give free rein to their talents and ideas. Thus, professional advancement and opportunities to accept program responsibility come rapidly. Promotion is rapid, too, because of our policy of placing professional technical men at all levels of supervision.

APL's past accomplishments include: the first ram-jet engine, the Aerobee high altitude rocket, the supersonic Terrier, Tartar, and Talos missiles. Presently the Laboratory is engaged in solving complex and advanced problems leading to future weapons and weapons systems vital to the national security. Interested engineers and physicists are invited to address inquiries to:

Professional Staff Appointments

**The Johns Hopkins University
Applied Physics Laboratory**

8611 Georgia Avenue, Silver Spring, Md.