

We hear that...

George W. Allen has been appointed assistant manufacturing engineer in the International Business Machines plant in Endicott, N. Y.

Lucien M. Biberman, formerly of the Naval Ordnance Test Station, China Lake, Calif., has been appointed Director of the Electronics Division of the Chicago Midway Laboratories of The University of Chicago.

Lawrence E. Brennan, **Thomas P. Merritt**, and **Neill C. Ostrander** have joined the staff of Systems Laboratories Corp., Sherman Oaks, Calif.

Wallace R. Brode, associate director of the National Bureau of Standards and editor of the *Journal of the Optical Society of America*, has been named the 1957 president-elect of the American Association for the Advancement of Science. **Paul B. Sears**, chairman of the Yale Conservation Program, is the retiring president. **Alan T. Waterman**, director of the National Science Foundation, has been elected to the AAAS board, and **Paul Klopsteg**, associate director of NSF, has been re-elected as a board member.

Herbert P. Broida has been named chief of the newly organized Free Radicals Research Section at the National Bureau of Standards. **Arnold M. Bass** has been named assistant chief and **James W. Moyer**, consultant to the Section. The Section will serve as the central laboratory for a national program of basic research on the formation, properties, and storage of free radicals. **Pao-Hsien Fang** has joined the Bureau's Mineral Products Division and **Arnold H. Kahn** has joined the Atomic and Radiation Physics Division.

S. Chandrasekhar, Distinguished Professor of Theoretical Astrophysics at the Yerkes Observatory of the University of Chicago, has been awarded the Rumford Premium of the American Academy of Arts and Sciences for his work on radiative transfer of energy in the interior of stars. Presentation ceremonies will take place at the Academy's meeting in Boston on March 13.

Leonard Cohen has joined the Electronics Division of Sylvania Electric Products in Woburn, Mass.

Sheldon H. Dike, formerly of Sandia Corp., has been named president of The Dikewood Corp., Albuquerque, N. M.

Leonard J. Eisenberg has been appointed instructor in physics at the Illinois Institute of Technology.

Norman H. Enenstein, formerly with Hughes Aircraft Co., has been appointed vice president and director of engineering at Electro-Pulse, Inc., Culver City, Calif.

Douglas H. Ewing has been named vice president for research and engineering of the Radio Corporation of America. Other new appointees at RCA include **James Hillier**, general manager, RCA Laboratories; **Humboldt W. Leverenz**, assistant director of research, RCA Laboratories; **Rolf W. Peter**, director of the RCA Physical and Chemical Research Laboratory. All will make their headquarters at the David Sarnoff Research Center, Princeton, N. J.

Physicists **William S. Filler**, **Thomas R. McGuire**, and **Herman Templin** were among a group of US Naval Ordnance Laboratory employees who recently received Meritorious Civilian Service Awards.

F. N. Frenkiel, of The Johns Hopkins University Applied Physics Laboratory, has been appointed consultant to the Applied Mathematics Laboratory of the David Taylor Model Basin. He will continue a part-time association with the Laboratory which is sponsoring a new series of monographs on applied mathematics and mechanics under Dr. Frenkiel's editorship.

Serge E. Golian has been appointed head of the Reactors Branch of the Radiation Division at the Naval Research Laboratory, Washington, D. C.

Ross Gunn, director of physical research at the US Weather Bureau, has been chosen to receive the 1956 Robert M. Losey Award of the Institute of the Aeronautical Sciences "In recognition of outstanding contributions to the science of meteorology as applied to aeronautics".

Suraj N. Gupta, professor of physics at Wayne State University, Detroit, Mich., will spend the spring and summer of 1957 as visiting scientist at the National Research Council, Ottawa, Canada.

Henry H. Hausner, formerly manager of atomic energy engineering for Sylvania Electric Products, has been elected vice president in charge of the Nuclear Engineering Division of the Penn-Texas Corp.

Kenneth L. Hertel, professor and head of the Physics Department at the University of Tennessee, has relinquished his administrative duties in physics to become full-time director of the University's Textile Research Laboratory. **Alvin H. Nielsen** succeeds him as head of the Department and **David T. King** has been promoted to associate professor of physics.

Donald F. Hornig, director of the Metcalf Research Laboratory at Brown University, will spend the 1957 spring term as visiting professor at Princeton University.

Henry Hurwitz, Jr. has been appointed manager of the Nucleonics and Radiation Section of the General Electric Research Laboratory, Schenectady, N. Y. **Kenneth H. Kingdon** has been appointed manager of the Laboratory's Project Analysis Section.

Frank Jaumot, formerly chief of the Physics of Metals Section at the Franklin Institute, Philadelphia, Pa., has been appointed director of research and engineering-semiconductors of General Motors Corporation's Delco Radio Division in Kokomo, Ind.

Warren C. Johnson, dean of the Division of the Physical Sciences at the University of Chicago, has been elected chairman of the Atomic Energy Commission's General Advisory Committee.

Uerner Liddel, formerly research physicist with the National Institutes of Health, has been named a program director in the Division of Scientific Personnel and Education of the National Science Foundation. Dr. Liddel's duties will include administration of the Academic-Year Institutes program as well as curriculum studies in the physical sciences. The Academic-Year Institutes program was inaugurated in 1956 to provide specially designed year-long courses of study for high-school science teachers.

Jules Mersel, formerly with Remington-Rand, has joined the Computer Systems Division of The Ramo-Wooldridge Corp., Los Angeles.

John E. Naugle, formerly at the University of Minnesota, has joined the Department of Scientific Research at Convair Division of General Dynamics Corp. in San Diego.

Earl E. Richardson was retired on January 1st from the Research Laboratory of Eastman Kodak Company at Kodak Park, where he was in charge of spectrophotometry for thirty-six years.

Robert A. Rubega has been appointed senior physicist in the Sonar Group of the Research and Advanced Development Department of Stromberg-Carlson Division of General Dynamics Corporation, Rochester, N. Y.

Three physicists have accepted invitations to serve as visiting professors at The University of Texas Department of Physics during the current academic year. **S. K. Run-corn**, head of the Physics Department of the University of Durham, King's College, Newcastle upon Tyne, England, lectured on the earth's magnetism from December 10-21, 1956. **C. L. Critchfield**, director of scientific research for Convair, San Diego, visited the university January 5-19 and gave a series of lectures on the quantum theory of fields. **Conyers Herring** of the Bell Telephone Laboratories will lecture April 12-29 on the theory of the solid state.

Abdus Salam, formerly University Lecturer at Cambridge University, England, has been appointed to a professorship at Imperial College of Science and Technology in London. **J. C. Taylor** has also joined the staff of Imperial College.

B. D. Thomas has been appointed director of Battelle Memorial Institute, Columbus, Ohio. In this position he succeeds **Clyde Williams**, Battelle's president, in the management of the Institute's research operations in the US and Europe. **Zay Jeffries** has been re-elected as chairman of Battelle's board of trustees.

Arend van Roggen has joined the staff of the Polychemicals Department Research Division at the Du Pont Company's Experimental Station, Wilmington, Del.

Richard I. Weller, formerly of the Medical Physics Division of Brookhaven National Laboratory, has been appointed professor and chairman of the Department of Physics at Franklin and Marshall College, Lancaster, Pa.

Richard Wilson has been promoted to associate professor of physics at Harvard University. His appointment becomes effective July 1. **Thomas Gold**, British astrophysicist who has recently been a visiting professor at Cornell, was appointed professor of astronomy at Harvard, effective February 1.

Joseph P. Wronski has joined the Atomic Power Division of the Westinghouse Electric Corp., Pittsburgh, Pa.

PHYSICISTS

Electronic, Development, Research

The Johns Hopkins University Applied Physics Laboratory ANNOUNCES

... important openings on our guided missile research and development staff for men who wish to identify themselves with an organization whose prime purpose is scientific advancement.

Because the Applied Physics Laboratory (APL) exists to make rapid strides in science and technology, staff members require and receive freedom to inquire, to experiment, to pursue tangential paths of thought. Such freedoms are responsible for findings that frequently touch off a chain reaction of creativity throughout the organization. As a staff member of APL you will be encouraged to determine your own goals and to set your own working schedule. You will also associate with leaders in many fields, all bent on solving problems of exceptional scope and complexity.

Equidistant between Baltimore, Md., and Washington, D. C., our new laboratory allows staff members to enjoy suburban or urban living and the rich cultural, educational and research facilities offered by both cities.

Openings Exist in These Fields:

R & D: Missile control and guidance systems; microwave components, antennas, and radomes; counter-countermeasures systems; missile systems dynamics; ramjet engine design; operations analysis.

FUNDAMENTAL RESEARCH: Combustion physics; gaseous electronics; shock-wave phenomena; hypersonics; mass spectrometry.

SEND NOW FOR OUR NEW 30-PAGE PUBLICATION DESCRIBING IN DETAIL THE SCOPE OF THE LABORATORY'S PROGRAMS AND THE UNIQUE ENVIRONMENT IN WHICH STAFF MEMBERS WORK AND LIVE.

WRITE: *Professional Staff Appointments*

The Johns Hopkins University

APPLIED PHYSICS LABORATORY

8611 Georgia Avenue • Silver Spring, Maryland