ADDRESSES

The listing below comprises the principal recent addresses made by APL staff members to groups and organizations outside the Laboratory.


APL COLLOQUIA

Feb. 14—"Results from the Mariner II Spacecraft," a special lecture by C. W. Snyder, Jet Propulsion Laboratory.


Mar. 15—"Ultrasonic Spectroscopy in Liquids," by T. Litovitz, Catholic University.

Mar. 22—"Design Studies for 300 to 1000 Bev Accelerators and the Future of Large Accelerators," by J. Blewett, Brookhaven National Laboratory.

Apr. 5—"Recent Work on Nuclear Structures," by M. Baranger, Carnegie Institute of Technology.

Apr. 12—"Magnetoelectric Effects in Antiferromagnets," by G. Rado, Naval Research Laboratory.

APL Technical Digest
JOURNAL PUBLICATIONS

The following list is a compilation of recently published books and technical articles written by APL staff members.


PATENTS

U. S. Government patents recently issued to Laboratory staff members for inventions produced in support of APL objectives.


HONORS AND APPOINTMENTS

Robert E. Fischell, supervisor of the Power System and Attitude Control Project of the Satellite System Engineering Group, was a recent recipient of a 1963 National Capital Award from the Council of Engineering and Architectural Societies and the Washington Academy of Sciences.

Isadore Katz, a member of the Preliminary Design Group staff, has been named an American delegate to the triannual meeting of the International Scientific Radio Union (U.R.S.I.). This meeting will be held in Tokyo, Japan, in September 1963. Mr. Katz is Secretary of the Tropospheric Propagation Commission of the National Committee of the U.R.S.I.

Arthur A. Wetenberg, supervisor of the High Temperature Physics and Chemistry Project of the Bumblebee Flight Research Group, was recently elected to fellowship in the Washington Academy of Sciences.

WITH THE AUTHORS

M. Shandor, a co-author of “Secondary Gas Injection Thrust Vector Control,” is a native of St. Clair, Pa.

He received his A.B. degree from St. Procopius College, Lisle, Illinois,
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He received his A.B. degree from St. Procopius College, Lisle, Illinois, (continued)
and, in 1946, his M.S. degree in physics from De Paul University, Chicago. Mr. Shandor was employed at the University of Chicago Metallurgical Laboratory (Manhattan District Project) from 1944–1947 and attended the first Bikini Atoll A-Bomb tests in 1946. After two years as a teaching assistant in physics at Pennsylvania State University, he came to APL in 1950 as a physicist. He is a member of the Jet Control Project of the Controls Group. Mr. Shandor is a member of the American Institute of Aeronautics and Astronautics.

**A. R. Stone**, a co-author of "Secondary Gas Injection Thrust Vector Control," is a native of New York City. He received an honorary degree in mechanical engineering from Stevens Institute of Technology in 1958. Mr. Stone has been owner-manager of small engineering companies and was later employed in various capacities by Aberdeen Proving Ground, Gerotor May Corp., Progress Engineering and Development Corp., Maryland Electronic Manufacturing Corp., and Vitro Laboratories. He came to APL in 1954 as a specialist in design and development of electro-mechanical and hydraulic control components and systems, holding eighteen patents in this field. He is a member of the Jet Control Project of the Controls Group. Mr. Stone is a registered professional engineer in the State of Maryland and is a member of the American Institute of Aeronautics and Astronautics.

**R. E. Walker**, a co-author of "Secondary Gas Injection Thrust Vector Control," was born in Avon, So. Dakota. He received his B.S. degree in physics from the South Dakota School of Mines and Technology, his M.S. in physics and, in 1958, his Ph.D. in physics from the University of Maryland. Dr. Walker came to APL in 1951 as a specialist in gas physics. He is currently engaged in applied research on thrust vector control systems for solid-propellant rocket motors. He is supervisor of the Jet Control Project of the Controls Group. Dr. Walker is a member of the American Physical Society, the American Institute of Aeronautics and Astronautics, and the National Rifle Association.


**E. J. Luoma**, co-author of "Constant-K Lenses," was born in Eben, Mich. He received his B.A. degree in mathematics from Northern Michigan College and continued at Ohio State University with graduate work in physics. From 1942–1958, he was employed as an electronics scientist at Wright-Patterson Air Force Base, Ohio, in which capacity he was concerned with such electronic components as transmission lines and radomes. His next position was with Corning Glass Works where, as an applications engineer, he worked on the development of ceramic radomes. Mr. Luoma is currently employed as a physicist by Emerson and Cuming, Inc., Canton, Mass., where electrical design of spherical lenses is his major work.

**J. P. Kearns**, author of "Missile-Wing Flutter Simulation," is a native of Beavertown, Pa., and received his B.S. degree in mechanical engineering from Pennsylvania State University in 1942. He was employed by Chance Vought Aircraft as a flutter and vibration analyst and test engineer from 1943–1950, and joined APL in 1951. As an engineer in the Bumblebee Engineering Group and later as a project supervisor in that group, Mr. Kearns has been concerned with vibration research and flutter analysis relative to the APL missile programs. He is a member of the American Institute of Aeronautics and Astronautics.