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


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


D. W. Fox, “Lower Bounds to Eigenvalues,” Johannes Gutenberg University, Mathematisches Kolloquium, Mainz, Germany, July 2, 1964.


APL Technical Digest 22
I. Katz, author of “Ocean Wave Measurements,” was the author of “Radar Reflectivity of the Earth’s Surface” in the Jan.–Feb. 1963 Digest. Mr. Katz joined APL as a physicist in 1952, to conduct experimental and theoretical studies of missile guidance, emphasizing low-angle capture and guidance problems. He also made studies of forward-scattering of radio waves off rough-sea surfaces, conducted research in basic physics connected with radar map-matching, and investigated the nature of back-scattering of radar energy off sea and land surfaces. Mr. Katz is a project supervisor in the Preliminary Design Group. He is a member of the International Scientific Radio Union, the American Meteorological Society, and the American Geophysical Union, and is a Senior Member of the Institute of Electrical and Electronic Engineers.

S. D. Raezer, author of “The Mass Transient and Plasma Arc Instability,” is a native of Lancaster, Pennsylvania. He received his A.B. degree in philosophy and his B.S. degree in physics from Franklin and Marshall College, and, in 1954, his M.S. degree in physics from Lehigh University. Mr. Raezer joined the APL staff in 1954 as an associate physicist in the Physical Chemistry Group, concerned with experimental infrared spectroscopy of diatomic molecules. He is currently a senior physicist in the Research and Instrumentation Section of the Propulsion Research Facilities, where his field of investigation is plasma arc development for hypersonic propulsion tunnels. Mr. Raezer is a member of The Philosophical Society of Washington.

R. H. Hallendorff, author of “A Method of Radome Compensation with Broadband Capability,” was born in Milwaukee, Wisconsin. He received his B.S. degree and, in 1962, his M.S. degree in electrical engineering from the University of Illinois. Mr. Hallendorff joined the APL staff in 1962 as a specialist in microwaves and servo systems. He is a member of the staff of the Microwave Techniques Project of the Bumblebee Guidance Homing Group.
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