PUBLICATIONS

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


APL COLLOQUIA

May 3—“A New Look at the Teaching of College Physics,” by N. H. Frank, Massachusetts Institute of Technology.

May 14—“Recent Developments in Seismology,” by F. Press, California Institute of Technology.

May 17—“The Mathematics of Map-Coloring,” by H. S. M. Coxeter, University of Toronto.


ADDRESSES

Principal recent addresses made by APL staff members to groups and organizations outside the Laboratory.


J. O. Artman and J. C. Murphy, “Lattice Sum Calculations in (continued)
ADDRESSES

(continued)


WITH THE AUTHORS

**R. A. Makofski**, author of “The Helium Hypersonic Wind Tunnel,” is a native of Newport Township, Pennsylvania. He received his B.S. degree in aeronautical engineering from Pennsylvania State University, and his M.S. degree in aeronautical engineering from the University of Virginia in 1956, and pursued advanced studies at the California Institute of Technology. He is continuing his studies, leading to a Ph.D. degree, at The Johns Hopkins University.

Mr. Makofski came to APL in 1957, as a specialist in internal fluid mechanics, viscous fluids, rarefied gas dynamics, and hypersonic flow. He is a member of the Fluid Mechanics Project of the Research Center, conducting studies of the flow of fluids at hypersonic speeds, and the design of a low-density hypersonic wind tunnel. He is a member of the American Physical Society and the Albertus Magnus Guild.

**R. J. Hunt**, author of “Availability Model for Shipboard Equipment,” was born in Baltimore and received his B.S. degree in mathematics from Loyola College, Baltimore, in 1955. He was employed at APL in 1956 as a specialist in operations research, probability and statistics, and digital computer programming. He has conducted studies in fleet air defense and continental defense and in the doctrine of weapon assignment in fleet air defense. Mr. Hunt is supervisor of the FSO-2 Project, Fleet Systems Division, with responsibility for defining availability and effectiveness models for missile systems. He is a member of the Operations Research Society.

**R. J. Vicars**, a native of Pontiac, Illinois, is the author of “Survival in Metropolitan-Area Nuclear Attacks.” He received his B.S. degree in aeronautical engineering from the University of Notre Dame in 1942. Before coming to APL in 1945, Mr. Vicars was employed as a stress engineer at the Fisher Aircraft Division of the General Motors Corp., and as a structural design and stress analysis engineer at the Hudson Motor Car Co. and the Stinson Division of the Consolidated-Vultee Aircraft Corp. At APL he has been active in various phases of missile technology, including warhead studies, structural design, handling equipment, and nuclear weapons effects. Mr. Vicars has served in several civic organizations concerned with civil defense matters related to local schools and public shelters.
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