The following two papers were presented at the American Mathematical Society, Laramie, Wyoming, August 27-28, 1970:

D. W. Fox, "Special Measures and Separation of Variables;"

V. G. Sigillito, "On a Theorem of Edelstein and Generalizations."

The following two papers were presented at the International Fluid Dynamics Symposium, McMaster University, Ontario, Canada, August 25, 1970:


M. H. Friedman, "Corneal Swelling, Theory and Experiment," University of New South Wales, School of Physics, Sydney, Australia, September 1, 1970.

The following two papers were presented at the Australian Chemical Engineering Conference, Sydney, August 24, 1970:


T. C. Cheston, H. M. Grady—Sub-Array Horn Assembly for Phased Array Application, Patent No. 3,500,422.


R. H. Hallendorff—Transition Structure for Broadband Coupling of Dielectric Rod Antenna to Coaxial Feed, Patent No. 3,518,691.

A. F. Bulfer—Meter Reading System Comprising Filming of Meter Dial and Subsequent Analysis of the Film Using Correlation Techniques, Patent No. 3,521,075.


WITH THE AUTHOR

S. N. Foner, author of “High Sensitivity Mass Spectrometry of Transient Species,” is Chairman of the Editorial Board of the APL Technical Digest. He has been a co-author of two previous papers in the Digest—“Mass Spectrometry of Free Radicals and Metastable Molecules” in the March-April 1966 issue and “Mass Spectrometry of Very Fast Chemical Reactions” which appeared in the July-August 1968 issue. Dr. Foner received the B. S. degree in mathematics and physics, and M. S. and D. Sc. degrees in physics from Carnegie-Mellon University.

A specialist in mass spectrometry, electron-spin resonance, molecular beams, free radicals, electron impact phenomena, and acoustics, Dr. Foner’s first assignment at APL in 1945 was as a physicist in the Aerodynamics Group. Later, as Supervisor of the Mass Spectrometry Group in the Research Center, he was concerned with research on appearance potentials, detection of free radicals, and reaction kinetics. Among his varied activities, Dr. Foner has served as Science Coordinator, U. S. Science Exhibit, Seattle World’s Fair, 1962, and as a member of the Committee of the National Academy of Sciences-National Research Council, Advisory to the Army Research Office. In his present position as Supervisor of the Electronic Physics Group, Dr. Foner is coordinating research in mass spectrometry, electron-spin resonance, atomic and molecular physics, space and ionospheric physics, and acoustics. Dr. Foner is a Fellow of the Washington Academy of Sciences and was the recipient of its Physical Science Award in 1954. He is also a member of the Cosmos Club, the Combustion Institute, the Philosophical Society of Washington, and is a Fellow of the American Association for the Advancement of Science and the American Physical Society.
PATENTS

T. C. Cheston, H. M. Grady—Sub-Array Horn Assembly for Phased Array Application, Patent No. 3,500,422.
R. H. Hallendorff—Transition Structure for Broadband Coupling of Dielectric Rod Antenna to Coaxial Feed, Patent No. 3,518,691.
A. F. Bulfer—Meter Reading System Comprising Filming of Meter Dial and Subsequent Analysis of the Film Using Correlation Techniques, Patent No. 3,521,075.

WITH THE AUTHOR

S. N. Foner, author of "High Sensitivity Mass Spectrometry of Transient Species," is Chairman of the Editorial Board of the APL Technical Digest. He has been a co-author of two previous papers in the Digest—"Mass Spectrometry of Free Radicals and Metastable Molecules" in the March-April 1966 issue and "Mass Spectrometry of Very Fast Chemical Reactions" which appeared in the July-August 1968 issue. Dr. Foner received the B. S. degree in mathematics and physics, and M. S. and D. Sc. degrees in physics from Carnegie-Mellon University.

A specialist in mass spectrometry, electron-spin resonance, molecular beams, free radicals, electron impact phenomena, and acoustics, Dr. Foner's first assignment at APL in 1945 was as a physicist in the Aerodynamics Group. Later, as Supervisor of the Mass Spectrometry Group in the Research Center, he was concerned with research on appearance potentials, detection of free radicals, and reaction kinetics. Among his varied activities, Dr. Foner has served as Science Coordinator, U. S. Science Exhibit, Seattle World's Fair, 1962, and as a member of the Committee of the National Academy of Sciences-National Research Council, Advisory to the Army Research Office. In his present position as Supervisor of the Electronic Physics Group, Dr. Foner is coordinating research in mass spectrometry, electron-spin resonance, atomic and molecular physics, space and ionospheric physics, and acoustics. Dr. Foner is a Fellow of the Washington Academy of Sciences and was the recipient of its Physical Science Award in 1954. He is also a member of the Cosmos Club, the Combustion Institute, the Philosophical Society of Washington, and is a Fellow of the American Association for the Advancement of Science and the American Physical Society.