

AWARDS FOR PUBLICATIONS AT APL

To a considerable degree, the output of an institution such as APL is paper, albeit paper of a very special and important type: research and engineering papers. Such papers get read, to be sure, but the most certain way of disseminating the information produced is to publish them in the open literature.

As a means of recognizing the efforts of its staff in the publishing arena, the Laboratory annually presents awards for outstanding publications. The awards, given in several categories, are presented during an evening event as comely formal certificates and accompanying small cash awards. The recipients appear to value them well beyond their monetary worth.

The winners of the 1987 awards are listed below by publication category, along with the titles of their papers or books. A special category exists for recognition of unusual accomplishments, and this year Dr. Gordon L. Dugger was recognized posthumously for a lifetime of writing and editing.

AWARDS FOR FIRST PUBLISHED PAPER

AWARD

Thomas W. Gerling, "Structure of the Surface Wind Field from the Seasat SAR," *J. Geophys. Res.* **91**, 2308-2320 (1986).

HONORABLE MENTION

Allan G. Prosser and William G. Bath, "Macroscopic Spatial-Temporal Correlation Properties of Radar Clutter," in *IEEE 1986 National Radar Conf. Proc.*, pp. 89-94 (1986).

Martin E. Fraeman, John R. Hayes, Robert L. Williams, and Thomas Zaremba, "A 32 Bit Forth Microprocessor," in *Proc. Eighth Annual Forth Modification Laboratory (FORML) Conf.* (1986).

AWARDS FOR PAPERS IN *THE JOHNS HOPKINS APL TECHNICAL DIGEST*

WALTER G. BERL AWARDS

Russell L. McCally, Richard A. Farrell, C. Brent Barger, Henry A. Kues, and Bernard F. Hochheimer, "Nonionizing Radiation Damage in the Eye," *Johns Hopkins APL Tech. Dig.* **7**, 73-91 (1986).

Andrew F. Cheng, "Magnetospheres of the Outer Planets," *Johns Hopkins APL Tech. Dig.* **7**, 348-355 (1986).

HONORABLE MENTION

David M. Rust, Ryszard L. Kanski, and Ralph F. Cohn, "Development of Ultrastable Filters and Lasers for Solar Seismology," *Johns Hopkins APL Tech. Dig.* **7**, 209-216 (1986).

Lawrence W. Hunter, "High-Temperature Chemistry of Materials," *Johns Hopkins APL Tech. Dig.* **7**, 362-371 (1986).

AWARDS FOR PAPERS IN
UNCLASSIFIED REFEREED JOURNALS

AWARDS

Morton H. Friedman, Owen J. Deters, C. Brent Barger, Grover M. Hutchins, and Frank F. Mark, "Shear-Dependent Thickening of the Human Arterial Intima," *Atherosclerosis* **60**, 161-171 (1986).

Kyle B. Baker, Raymond A. Greenwald, A. D. M. Walker, Peter F. Bythrow, Lawrence J. Zanetti, Thomas A. Potemra, David A. Hardy, Frederick J. Rich, and Charles L. Rino, "A Case Study of Plasma Processes in the Dayside Cleft," *J. Geophys. Res.* **91**, 3130-3144 (1986).

HONORABLE MENTION

Barry H. Mauk, "Quantitative Modeling of the 'Convection Surge' Mechanism of Ion Acceleration," *J. Geophys. Res.* **91**, 13423-13431 (1986).

Donald R. Thompson and Richard F. Gasparovic, "Intensity Modulation in SAR Images of Internal Waves," *Nature* **320**, 345-348 (1986).

AWARDS FOR PAPERS IN
CLASSIFIED REFEREED JOURNALS

AWARD

James L. Keirse, "The Dual-Combustion Ramjet, A New High-Speed Engine for Long-Range Air Defense," *J. Def. Res.* **17**, 116-139 (Summer 1985).

SPECIAL AWARDS

Morton H. Friedman, *Principles and Models of Biological Transport*, Springer-Verlag, Berlin, Heidelberg (1986).

Bruce I. Blum, *Clinical Information Systems*, Springer-Verlag, New York (1986).

Lester L. Cronvich, "Aerodynamic Considerations for Autopilot Design," Chap. in *Tactical Missile Aerodynamics*, M. J. Hemsch and J. H. Nielsen, eds., American Institute of Aeronautics and Astronautics (1986).

Geoffrey B. Irani, Bruce L. Gotwols, and Allan W. Bjerkaas, "The 1978 Ocean Wave Dynamics Experiment," Chap. 10 in *Wave Dynamics and Radio Probing of the Ocean Surface*, Plenum Publishing, pp. 165-179 (1986).

Frederick S. Billig, Paul J. Waltrup, Harold E. Gilreath, Michael E. White, David M. Van Wie, and Peter P. Pandolfini, *Proposed Supplement to Propulsion System Management Support Plan* (1986).

Gordon L. Dugger, Lifetime Accomplishment in Publishing and Editing.