

JOHN SLATTERY PROFESSIONAL ACHIEVEMENT AWARD



The late Ralph DePaul, Jr. is the 1994 recipient of the **John Slattery Professional Achievement Award**. It will be presented to a member of his family at the AUTOTESTCON awards luncheon for his contributions to automatic testing in support of the United States national security posture. Mr. DePaul founded DETEX Systems, Inc., known for STAT, a widely used testability analyzer and for opening new pathways for "model based diagnostics.

The award, sponsored by the Automatic Testing Committee of the National Security Industrial Association (NSIA-ATC), honors the memory of John Slattery, a software engineer with the General Dynamics Electronics Division who contributed to the enhancement of automatic test equipment in military and industrial applications. He was active in AUTOTESTCON, the NSIA's Automatic Testing Committee and the Modular Automatic Test Equipment (MATE) Users' Group (MUG) and was Chairman of the group's Subcommittee for Control and Software.

Mr. DePaul was active in the support community from 1956 when he joined Hughes Aircraft Company in Fullerton, CA until his death in 1993. At Hughes, he assisted in the hardware design of nine fire control systems and one air weapons control system for the U.S. Air Force, and designed the memory assembly for the MA-1 Flight Control System. He performed all levels of testing on systems he helped design plus the first Frequency Scan Radars used in the Army and Navy, the FALCON Missile System for the Air Force and the TOW Guided Missile System for the Army. It was during this period he began research and concept development of what today is Functional Dependency Modeling. In 1960, he became manager of Hughes' Integrated Logistics and served in that capacity until joining Ford Aerospace five years later as manager of Integrated Logistic Support. There, he continued his work on Function Dependency Model by satisfying maintainability demonstration requirements for a series of weapons systems and developed a forerunner to a portable computerized maintenance aid.

Mr. DePaul formed DETEX Systems in 1975 and was a leading advocate of testability before the U.S. Congress and the NSIA and JPL subcommittees on testing. His persistence led to recognition of a need for a military standard on testability which resulted in ML-STD-2165. At DETEX, he dealt with all types of electronic (analog and digital), mechanical, optic and electro-mechanical hardware.

He earned a MS degree in physics and mathematics from UCLA and a BS degree in physics and mathematics from Loyola University, Chicago.

Previous winners of the John Slattery Award:

1987 - A. Padget Peterson
1988 - Mary Kaye Allen
1989 - George A. Emilio
1990 - J.A. (Bert) Houston

1991 - Vic Bloom
1992 - George W. Neumann
1993 - James W. Smith