“KELLY” Johnson Award, Frederic W. Schaefer

The recipient of the "Kelly" Johnson Award for 1982, signifying exceptional performance in the discipline of Flight Test Engineering, is Fred Schaefer of the Grumman Aerospace Corporation. Fred's selection recognizes his outstanding contributions to a test program designed to determine the effects of asymmetric thrust on the boundaries of controlled flight for the F-14A "Tomcat."

Under his guidance (and performing many of the tasks himself), the simulation program was reduced to a manageable size, the critical combinations of control inputs and throttle chops were defined and the departure. boundary criteria were established. During the subsequent flight testing, Fred led the. effort by defining the test conditions, making the decisions in the Telemetry Station during flights, and synthesizing the flight results for comparison to the simulation results.

Fred's talents as aerodynamicist, simulator specialist, software programmer, and flight test engineer were deciding factors in the successful completion of this uniquely hazardous program.

A graduate of the Polytechnic Institute of Brooklyn, Fred joined Grumman in 1967 and has contributed to the flight test programs of virtually all of the corporation products since then. Now a Senior Flight Test Engineer, Fred has recently been assigned to the X-29 Forward Swept Wing program.