



# FELLOW

ENGINEERS CLUB OF DAYTON

DR. FRITZ J. RUSS, PE

The pioneering spirit of Fritz Russ was extremely active when he began his professional career as an Electronic Engineer with the Naval Research Laboratory in 1942. He was involved in research and development activities on a broad range of programs. They included special radio direction-finding equipment, instrumentation, and servo mechanisms. His technical group was responsible for the Navy instrumentation on Project Crossroads—the atomic tests at Bikini in 1946. His work also resulted in the establishment of a Navy line of servo actuators that are still in use today.

Dr. Russ was appointed Assistant Director in the Industrial Research Laboratory, Baltimore, Maryland, in 1947. He was responsible for the development of an automatic frequency control system for large diesel generators. This work led to the issuance of two U.S. Patents.

Fritz Russ accepted a position as Electronic Engineer in the Armament Laboratory at Wright Patterson AFB in 1948. He designed an automatic firing system for the B-36 and other aircraft. He was transferred to the Air Technical Intelligence Center and headed the missile guidance and control group. This assignment involved estimating the capabilities of foreign missile guidance and control systems. He served

as USAF technical advisor on guidance and control of missiles in many foreign countries.

Dr. Russ founded Systems Research Laboratory (SRL) in 1955. This high technology multidisciplinary firm has a thirty-five-year history of conceptual creative activity. The majority of its research has been reduced to practice for the benefit of both the defense industry and commercial business. The fundamental leadership and far-term perspective of Fritz Russ has made SRL a recognized technical leader and one of the largest independent research and engineering firms of its kind in the world. Fritz Russ retired from SRL in 1987.

Dr. Russ is a registered professional engineer. He holds undergraduate and graduate degrees in Electrical Engineering. He is a senior member of IEEE, Dayton Engineers Club, National Society of Professional Engineers, Eta Kappa Nu Association, Tau Beta Pi Electrical Engineers Honorary Society, Board of Trustees, Engineering and Science Foundation, ASC Outstanding Engineer & Scientist (1985), and is listed in *Who's Who in Engineering*. He holds both commercial and amateur radio licenses, and a private pilot's license. He is currently Chairman and President of Russ Venture Group (RVG).

