

**Robert K. Crane** (SM'71-F'80) received the B. S., M. S. and Ph. D. degrees in electrical engineering from Worcester Polytechnic Institute, Worcester, MA.

He was employed by The MITRE Corporation from 1959 to 1964 where he worked on radar inputs to the SAGE system and on the effects of atmospheric refraction on radar measurement accuracy. From 1964 to 1976 he was a staff member of the M. I. T. Lincoln Laboratory where he conducted basic and applied research on radio wave propagation through the ionosphere and lower atmosphere. From 1976 to 1981 he was Division Senior Scientist, Earth Resources and Atmospheric Physics Division, Environmental Research & Technology, Inc. where he was responsible for remote sensing studies of the earth's atmosphere and basic research in cloud physics, weather modification, radar meteorology, and radio wave propagation through rain. From 1981 to 1992 he was Research Professor of Engineering, Thayer School of Engineering, Dartmouth College, where he continued his research on the spatial and temporal structure of rain and on the effects of rain on communication systems. He is now Professor of Electrical Engineering and Professor of Meteorology at the University of Oklahoma. There he has continued the development of models for the prediction of the effects of rain on satellite communication systems.