

About the Authors



Dr. H. D. DOOLITTLE

Dr. Doolittle is Manager of Technology of The Machlett Laboratories, Inc., and has been responsible for the development of UHF and high power triodes and tetrodes as well as research on cathodes and allied subjects. He is also responsible for over-all scientific work of the engineering staff with particular emphasis on new products and processes. Dr. Doolittle is a fellow of the American Physical Society, and a Member of IEEE and the Electrochemical Society.



C. F. EGGERT

Mr. C. F. Eggert received his BSEE degree from the State University of Iowa. Active in the technical communications field since 1955, Mr. Eggert has been an engineering writer, a publication engineer, and technical publications section supervisor. In his current position with Collins Radio Company, he is responsible for the preparation and publication of all technical information for the Collins airline communication and navigation product line. He prepared the maintenance and instruction manuals for the first Collins Distance Measuring Equipment (DME) used by commercial airlines.

Mr. Eggert is a member of the IEEE and is active in professional groups within the fields of aerospace and navigation electronics, engineering management, and engineering writing.



HENRY EGGERDING

Mr. Henry Eggerding is a Senior Project Engineer with ITT Federal Laboratories in Nutley, New Jersey. He has been a leading member of that company's pioneering team which introduced crystal control to the 1000 mc band in 1945. Since then he has contributed to the design of the numerous pulse transmitters for DME, TACAN, and IFF. More recently he has been active in the 4 gc altimeter field.



RICHARD W. DONOVAN

Mr. Richard W. Donovan received a B.S. in Electrical Engineering at the University of Kansas in 1957 and has performed graduate work in servomechanisms, transistor engineering, advanced mathematics and nuclear engineering. His special field includes pulse techniques, VHF transmitter and receiver design, microwave cavity design, microwave strip line design, UHF measurements and general electronic circuit design. He has responsibility for airborne DME and TACAN designs.

Most recent experience at Wilcox has been that of Project Group leader for the development of the Wilcox Model 814B General Aviation Transponder, Model 833 Distance Measuring Equipment, Model 914 Airline ATC Transponder and the Military 914X SIF System development sponsored by Wilcox, and the AN/PPN-16 X-Band Radar Beacon.

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N. F. HAMILTON-PIERCY

Mr. N. F. Hamilton-Piercy, Development Engineer, Canadian Marconi Company, graduated from the Medway College of Technology in Light Electrical Engineering in 1960. His studies have included Advanced Transistor and Pulse Techniques, and he has had extensive training in environmental and electrical destructive and non-destructive testing and circuit design in radar and control systems. Mr. Hamilton-Piercy came to Canada in 1962 and is presently engaged in radio relay equipment design, chiefly in the rf power amplifier field.