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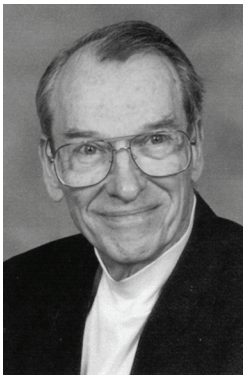
Biographical Sketch of the Author



Paul R. Yoder, Jr., retired recently from a career as an independent consultant in optical engineering. For more than 50 years he conducted theoretical and experimental research in optics; designed and analyzed optical instruments; and planned, organized, and managed optical technology and electro-optical system projects ranging from conceptual studies and prototype developments to quantity production of hardware. He has held various technical and engineering management positions with the U.S. Army's Frankford Arsenal, The Perkin-Elmer Corp., and Taunton Technologies, Inc.

Yoder authored or coauthored more than 60 technical papers on optical engineering topics as well as *Opto-Mechanical Systems Design* (Marcel Dekker, New York, 1986 and 2nd ed., 1993); *BASIC-Programme fur die Optik* (Oldenbourg, Munich, 1986); Chapter 37, "Mounting Optical Components," in OSA's *Handbook of Optics* Vol. I (McGraw-Hill, New York, 1994); and Chapter 6 "Optical Mounts" in the *Handbook of Optomechanical Engineering* (CRC Press, Boca Raton). He received his B.S. and M.S. degrees in physics from Juniata College (1947) and The Pennsylvania State University (1950), respectively; he is a Fellow of SPIE, a Fellow of OSA, a member of Sigma Xi; and is listed in *Who's Who in Science and Engineerin*g. Yoder has served SPIE as a member of the board of directors 1982-1984, 1990-1992 and 1994, and was chairman of the publications committee and member of the executive committee, 1991 and 1994. He also is a founding member of SPIE's Optomechanical/Instrument Working Group. He has served as book reviews editor for *Optical Engineering* and as a topical editor for *Applied Optics*. A frequent organizer and chairman as well as an active participant in SPIE and OSA symposia, he has taught numerous short courses on optical engineering, precision mounting of optical components, principles for mounting optical components, basic optomechanical design, and analysis of the optomechanical interface for SPIE, industry, and U.S. government agencies. He also has taught two nationally broadcast courses for the National Technological University Network and has lectured at the University of Arizona and the National University in Taiwan. He received the Director's Award from SPIE in 1996, the Engineering Excellence Award from OSA in 1997, and the George W. Goddard Award from SPIE in 1999.