

BIOGRAPHY

M.J. Harning - is a retired senior manager for Raytheon Space and Airborne Systems. She earned her bachelor's from the University of Arizona at Tucson, first master's from Loyola-Marymount University, and second master's in systems engineering from the University of Southern California. She was the founding chairman of the Society of Women Engineers Student Chapter at the University of Arizona, and is a life member of SWE. She is a life member of the American Physical Society and a member of the American Society of Mechanical Engineers. She is an expert in electronic hardware packaging and is a Pilates Method Alliance (PMA) certified Pilates instructor. Her hobbies include reading, singing, travel, graphics arts, and Pilates.

C.R. Koppany - is a retired research chemical engineer. He received his BS, MS, and Ph.D. from the University of Southern California in Chemical Engineering. He is a certified professional engineer. Dr. Koppany's teaching credentials include teaching at Cal Poly Pomona and at the University of Southern California. For twenty-nine years he worked in research and process engineering for the C.F. Braun company. He retains an interest in triple-point thermal states, and also in higher mathematics. His hobbies also include collecting and driving Porsche cars. He and R.J. Koppany are first cousins.

R.J. Koppany - is a multipublished co-author of fourteen books, and has an identical twin brother. He received his bachelor's from UCLA, doctorate from UC Berkeley, and has a post-doctoral master's from Fuller Theological Seminary. Before starting graduate school after his bachelor's degree, he worked at Jet Propulsion Laboratory as a test operations engineer. After his Fuller degree, he studied mathematics, physics, and electrical engineering on a graduate level for five years at a California State University. He is a fellow of the Oughtred Society, editor emeritus of the CFA-APA journal, and a life member of the Order of St. Ignatius. He was editor of the *Journal of the Oughtred Society*. In 2011, during the international meeting at M.I.T. he received the prestigious Oughtred Society Award for outstanding contribution to the world community involved with slide rules and historical calculating instruments. His hobbies include writing, photography, graphic design, Frank Lloyd Wright, and collecting slide rules. He has been married to M.J. Harning since 1989.