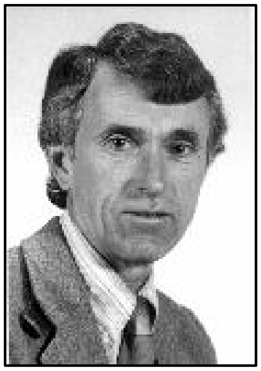

BIOGRAPHY OF JEFFREY B. KNORR, Ph.D.

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Jeffrey B. Knorr, Ph. D. is a Professor of Electrical and Computer Engineering at the Naval Postgraduate School in Monterey, California. Dr. Knorr has over 35 years experience in teaching, research and consulting in the area of microwave engineering, and electromagnetic systems with particular interest in radar, EW, signals intelligence, communications and space. His research articles appear in the IEEE Transactions on Microwave Theory and Techniques, Microwave Journal and the related literature. Dr. Knorr received his BSEE and MSEE degrees from Penn State University (1963, 1964) and the Ph. D. degree in electrical engineering from Cornell University (1970). He is a Senior Member of the IEEE and has been active on the Technical Program Committee for the IEEE International Microwave Symposium, the Symposium Steering Committee, and has served as editor of the Symposium Digest.

He served as a military instructor at NPS from 1964 through 1967, while on active duty in the Navy, and then joined the civilian faculty in 1970. He was one of the principal architects of the School's Electronic Warfare program, which was established in 1977, and also participated in the development of the Space Systems programs, which was established in the early 1980s. From 1990-1995, he served as Associate Dean of Research, during which time he helped establish the School's Research Support Services contract, worked with SPAWAR Systems Center to create the SPAWAR Student Fellowship Program, worked with ONR to make possible NPS research with industry through the CRADA program, worked with ONR to bring an intellectual property attorney to NPS, established a position for a Technology Transfer Director, edited and launched the newsletter ***NPS Research***, and served as editor of a 1992 special issue of ONR's ***Naval Research Reviews*** covering the NPS research program. From 1995-1998, he served as Associate Chair for Research in the ECE Department and on July 1, 1998 he was appointed ECE Department Chairman. He served as Chairman until June 30, 2002 and then returned to teaching and research, he has sense returned as the Chairman of the ECE department. His current research is primarily in the area of weather radar and weather processors for tactical military radars. Work in this area has resulted in NPS/CIRPAS fielding the world's first mobile phased array weather radar, the MWR-05XP. On July 1, 2005, he again assumed the position of Chair of the Department of Electrical and Computer Engineering.

Dr. Knorr served as a member of the Board of Directors of the Family Service Agency of Monterey County from 1994-1998 and the Board of Directors of the Carmel Ski Club from 1998-2000. He has served on the Board of Directors of the Carmel Valley White Oaks Homeowner's Association as Treasurer, Vice President and President. He has interest in the recreational assets of the Peninsula area and was a member of the committee responsible for creating the Monterey Peninsula Park and Open Space District in the early 1970s. He is a tennis member at the Carmel Valley Ranch, a member of the Carmel Ski Club, a member of the Aircraft Owner's and Pilots Association and an instrument rated private pilot. His recreational interests include tennis, skiing, hiking, flying, photography, gardening, and home improvement projects. He is married and has two daughters and five grandchildren. He resides in beautiful Carmel Valley, CA.

Selected Publications:

[1] J. B. Knorr and P. M. Shayda, "Millimeter-Wave Finline Characteristics", ***IEEE Transactions on Microwave Theory and Techniques***, vol. MTT-28, pp. 738-743, July 1980.

[2] J. B. Knorr, "Equivalent Reactance of a Shorting Septum in a Fin-Line: Theory and Experiment", ***IEEE Transactions on Microwave Theory and Techniques***, vol. MTT-29, pp. 1196-1202, November 1981.

[3] J. B. Knorr and J. C. Deal, "Scattering Coefficients of an Inductive Strip in a Finline: Theory and Experiment", ***IEEE Transactions on Microwave Theory and Techniques***, vol. MTT-33, pp. 1011-1017, October 1985.

[4] J. B. Knorr, "Synthesis of Equivalent Circuits for Inductive Strips in Homogeneous Finline: W/b=1", ***International Journal of Microwave and Millimeter-Wave Computer-Aided Engineering***, vol. 1, pp. 306-314, July 1991.

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[6] J. B. Knorr, "Radiowave Receiving System Intercept Probability Model", ***IEEE Transactions on Aerospace and Electronic Systems***, vol. AES-19, pp. 140-146, January 1983.

[7] J. B. Knorr and D. T. Karantanas, "Simulation Optimizes Noise Jammer Design", ***Microwave Journal***, pp. 273-275, May 1985.

[8] J. B. Knorr and D. C. Jenn, "A Numerical and Experimental Investigation of a Semi-Loop Antenna on a Metal Box", ***Proc. 12th Annual Review of Progress in Applied Computational Electromagnetics***, pp. 832-839, March 1996.

[9] J. B. Knorr, "A Numerical and Experimental Investigation of a Shipboard DF Antenna Array", ***Proc. 12th Annual Review of Progress in Applied Computational Electromagnetics***, pp. 792-801, March 1996.

[10] B. Neta and J. B. Knorr, "Running NEC4 on the Cray at NPS", ***Applied Computational Electromagnetics Society Newsletter***, pp. 12-14, November 1996

[11] J. B. Knorr, "Application of Computational Electromagnetics to Shipboard HFDF System Simulation", ***Proc. 13th Annual Review of Progress in Applied Computational Electromagnetics***, pp. 182-192, March 1997.

[12] J. B. Knorr, "Shipboard HFDF System Simulation", ***Applied Computational Electromagnetics Society Journal***, pp. 25-42, March 1998.

[13] J. B. Knorr and B. Neta, “Plotting Circularly Polarized Field Patterns Using Processed NEC 4 Output Files”, ***Applied Computational Electromagnetics Society Newsletter***, Vol. 16, No. 2, pp. 26-33, July 2001.

[14] J. B. Knorr, “Low Cost Finline Filter Construction Method”, ***Invention Disclosure***, Navy Case #78922, December 2001.