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**Alan J. Markworth** is a professor in the Department of Materials Science and Engineering at The Ohio State University in Columbus. Prior to joining the Ohio State faculty in 1995, he was a member of the research staff at Battelle Memorial Institute in Columbus for nearly three decades, working primarily in the area of computational materials science. He holds a PhD in physics from Ohio State. For the past several years, he has been particularly active in the application of nonlinear dynamics to materials problems related to the electric utilities, concentrating on applications in the areas of corrosion, combustion, and fracture. Markworth can be reached at the following phone number: 614-688-3581.

**John Stringer** is a technical executive in applied science and technology at the Electric Power Research Institute in Palo Alto, CA. Prior to joining the Institute in 1977, he was

head of the Department of Metallurgy and Materials Science at the University of Liverpool and also worked at Battelle Memorial Institute in Columbus as a Fellow in the Metal Science Group. He holds PhD and DEng degrees from Liverpool. His research interests have been primarily in the areas of high-temperature oxidation and corrosion of metals and alloys, galvanomagnetic effects in alloys, and erosion and corrosion of components in fluidized bed combustors.

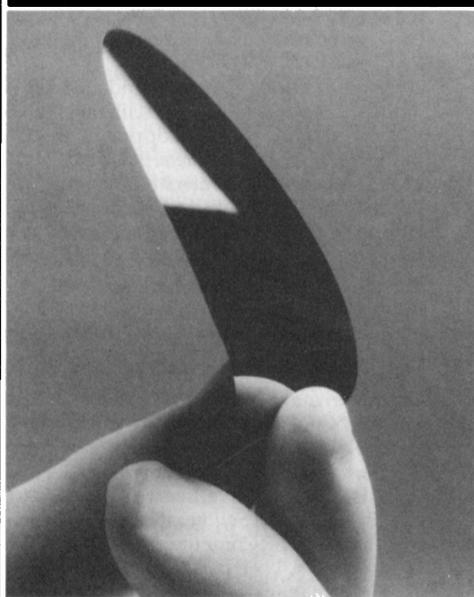
**Roger W. Rollins** is a professor of physics and a member of the Condensed Matter and Surface Science Program at Ohio University in Athens. He holds a PhD in applied physics from Cornell University. His research interests were centered on experimental aspects of superconductivity until 1980, when he became involved in nonlinear dynamics and chaos. His current studies include investigation of a variety of approaches to controlling chaotic dynamics, with applications in several areas, including aqueous-corrosion and combustion systems. Another interest involves the development of interactive software for the study of chaotic systems.

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