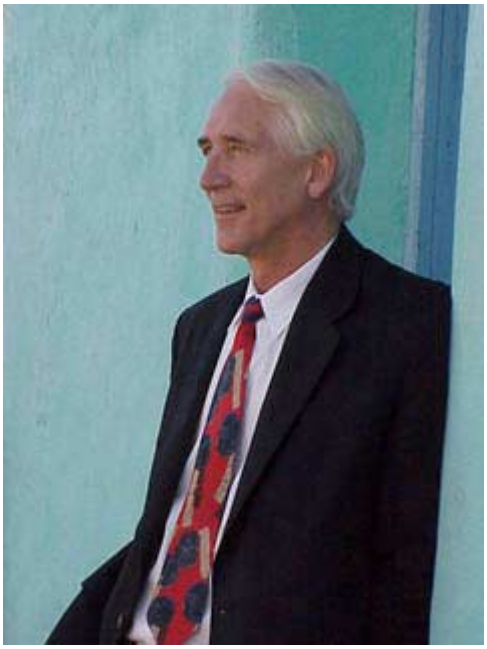
Resume of Michael Fox Ph.D.

EDUCATION

Certified Fire & Explosion Investigator
OSHA Certified - Hazardous Materials
DOT Certified Hazardous Materials
CPA Accredited - Aerosol Technology
NACE Accredited - Corrosion
ASM Accredited - Failure Analysis
ASM Accredited - Metallurgy
BAMA Accredited - Aerosol Technology
Certified - OSHA Process Hazard Analysis
Certified - OSHA Process Hazard Analysis - Team Leader

EXPERIENCE

Ten Years Consulting/Research
Five Years R&D Management
Five Years R&D - Bench Scientist



Michael Fox, Ph.D.

SYNOPSIS

Michael Fox grew up in Chicago, Illinois and at the age of 17 enlisted in the U.S. Army where he served in the 82nd Airborne Division. After three years of active military service, he went to Southern Illinois University from which he graduated with a B.A. in chemistry and math. At SIU he was nominated for a Woodrow Wilson Graduate Fellowship for his academic standing and undergraduate research in theoretical quantum chemistry. He was also a member of an honorary mathematics fraternity and the vice president of the American Chemical Society's Student Affiliate Chapter.

Michael Fox was awarded a full graduate fellowship at the University of Hawaii where he completed his Doctoral Degree in Physical Surface & Colloid Chemistry, bypassing the usual Masters Degree. He authored a number of scientific publications and won a research grant prior to finishing his Ph.D.

Since receiving his Ph.D., Dr. Fox has authored numerous scientific articles and reports. The subject matter is as varied as his interests, from theoretical quantum mechanics to the psychology of research and development. He has worked as a research scientist for General Electric Corporate Research & Development and as a research manager for the Electric Power Research Institute. While working with GE he discovered low temperature sensitization, a metallurgical phenomenon that increases the susceptibility of stainless steels to stress corrosion cracking over time (10-20 years) at nuclear reactor operating

temperatures. LTS has been the subject of international research attention.

Since leaving the commercial sector in 1983, Dr. Fox has been a consultant and expert witness and is a recognized expert in several fields. He has consulted and performed research for Argonne National Laboratories, Toshiba Corporation, Sandoz Pharmaceuticals, the Nuclear Regulatory Commission, the Electric Power Research Institute, the Gas Research Institute, Tennessee Valley Authority, Lawrence Livermore National Laboratory, Biosphere II, Rockwell Space Systems, Baker/McKenzie (the largest law firm in the world), the Arizona Department of Transportation, and numerous nuclear utility companies. Dr. Fox has also developed a Windows 3.1 expert system for nuclear reactor water chemistry.

Current interests and activities include: Chemical Accident Reconstruction, Chemical Injuries & Accidents, Aerosols, Hazardous Chemicals, Chemical Burns, Hot Liquid Burns, Chemical Safety, Chemical Labeling, Chemical Fires & Explosions, Propane Fires & Explosions, Physical Chemistry, Corrosion, Metallurgy, Failure Analysis, Chemical Warning Labels, Surface & Colloid Chemistry, and OSHA, DOT & EPA Regulations.

CHRONOLOGICAL SYNOPSIS

1991 - Present: Independent Consultant and Expert Witness, Tucson, Arizona

Consulting and Expert Witness Practice Includes Corrosion, Metallurgy, Failure Analysis, Hazardous Chemicals, Chemical Legal Compliance (EPA/OSHA/DOT), Chemical Accident Reconstruction, Fires & Explosions, Propane, Aerosols, Copper, Stainless Steel, Carbon Steel, Low Alloy Steel, Nuclear Reactor Design and Materials Selection, Expert System Development, and Nuclear Reactor Water Chemistry.

1987 - 1991: Aptech Engineering Services, Inc., Sunnyvale, California

Manager, Chemical Engineering Services - Chemical Risk Assessment & Prevention Services, Chemical Management & Control Programs, Water Chemistry Modeling and Litigation Support, Corrosion/Metallurgy Litigation Support, Explosion Litigation Support. Responsible for OSHA, EPA and DOT compliance for Aptech.

1983 - 1987: Independent Consultant, Cupertino, California

Consulting Practice Encompassed: Chemical Risk Assessment & Prevention, R&D Management, Chemical Legal Compliance (EPA/RCRA/DOT/OSHA), Physical Chemistry, Corrosion, Metallurgy, and Nuclear Reactor Chemistry.

1978 - 1983: Electric Power Research Institute, Palo Alto, California

R&D Project Manager - Responsible for the technical, financial, and logistical management of R&D projects pertaining to physical chemistry, thermodynamics, water chemistry,

metallurgy, electrochemistry, mechanical and electrical engineering, computer modeling, corrosion, welding, and technology transfer.

1973 - 1978: General Electric Corporate R&D, Schenectady, New York

Research Scientist - Investigated technical problems relevant to General Electric's broad business interests intersecting the disciplines of physical chemistry, nuclear energy, surface and colloid chemistry, technology forecasting, corrosion, and metallurgy.

1972 - 1973: Brewer Chemical Corporation, Honolulu, Hawaii

Developed an industrial water treatment business that included boiler water treatment, cooling water treatment and water purification. Responsible for product development, product safety, packaging, labeling, sales, service and client training.
