

William Hirzy, Ph.D

Chemist in Residence and Adjunct Professor

EDUCATION

1962 Ph.D. Chemistry. University of Missouri

1958 B.S. (Honors) Chemistry. University of Missouri

PROFESSIONAL EXPERIENCE

1981-2004 Senior Scientist (Risk Assessment), U.S. Environmental Protection Agency

2003-2004 Chemist-In-Residence & Adjunct Professor, American University

1995-2002 Adjunct Professor of Chemistry, American University

1984-2004 Officer (V.P., Sr. V.P., President) EPA HQ Professionals' Union

1963-1981 Adjunct Instructor/Assistant Professor of Chemistry, St. Louis Community College and University of Missouri-St. Louis

1962-1981 Research & environmental management chemist, Monsanto Co.

AWARDS & FELLOWSHIPS

1998, 1987, 1983 EPA Silver and Bronze Medals, Cash Awards

1962 Sigma Xi

1958 Woodrow Wilson Fellow

1958 Phi Beta Kappa

PUBLICATIONS

Invited Testimony on Fluoridation, U.S. Senate Committee on Environment and Public Works, Subcommittee on Fisheries, Wildlife and Water on behalf of NTEU Chapter 280. June 29, 2000.

"Why EPA's Union of Professionals Opposes Fluoridation," May 1, 1999

"Principles of Scientific Integrity," adopted as EPA's code of professional ethics, November, 1999.

"Applying the NAEP Code of Ethics to the Environmental Protection Agency and the Fluoride in Drinking Water Standard" R.J. Carton and J.W. Hirzy. Proceedings of the 23rd Annual Conference of the National Association of Environmental Professionals June 20-24, 1998, San Diego, CA, USA.

"Role of EPA Labor Unions in a Streamlined Partnership". May 1994.

"Role of the Professionals' Union at EPA" Environmental Law Reporter. February 20ELR 10057 1990.

"Carpet/4-Phenylcyclohexene Toxicity: The EPA Headquarters Case" J. W. Hirzy and Rufus Morison. The Analysis, Communication and Perception of Risk Eds. B.J. Garrick and W.C. Gekler, Plenum Press, New York, 1991

"Carcinogenicity of General Purpose Phthalate Esters" Drug Metabolism Reviews 21 55 (1989).

"Toxicity Profile of Di-2-Ethylhexyl Phthalate" J. W. Hirzy EPA Project Manager. Published by the Agency for Toxic Substances and Disease Registry, Center for Disease Control. 1988.

"Chemical Advisory: Cancer Hazards of Toluenediamines" September 19, 1986. Office of Toxic Substances, USEPA.

"Chemical Advisory: Inhalation Hazards of Burning Used Motor Oil in Space Heaters" July 5, 1986. Office of Toxic Substances, USEPA.

"Risk Assessment of 4,4'-Methylenedianiline" J. W. Hirzy, J. A. Wiltse, et al., Office of Toxic

Substances, USEPA. February 2, 1985.

"Chemical Advisory: Cancer Hazards of Dermal Contact with Used Motor Oil" February 22, 1984. Office of Toxic Substances, USEPA.

"Proposition 11--A Citizens Initiative" Co-authored with Missourians for Safe Energy. On the General Election Ballot in Missouri, November, 1980.

"Environmental Management of Phthalate Esters: A Systems Approach" Proposal of Monsanto Co. through Chemical Manufacturers Association to USEPA. June 16, 1980.

"Plasticizer Update" J. W. Hirzy and N. W. Touchette, Plastics Engineering April, 1979.

U.S. Patent 3,872,154 Trimellitate Esters.

U.S. Patent 3,389,168 Allyl Benzophenone Tetracarboxylates.

U.S. Patent 3,336,362 Cycloalkyl Allyl Phthalate Esters.

U.S. Patent 3,538,145 Malic Acid Esters

U.S. Patents 4,210,730 and 4,212,957 Plastifiers, Method of Preparation, and Poly Vinylchloride Compositions Containing.

U.S. Patent 4,049,611 Modified Polyester Polyblends and Method of Preparing Same.

U.S. Patents 4,273,890 and 4,281,077 Polyester Polyurethane Polyblends.

PRESENTATIONS

"Fluoridation Risks." Presentation to Palm Beach (FL) County Council. August 23, 2003.

"Fluoride and Environmental Protection." Lecture. International Society for Fluoride Research. Dunedin, New Zealand. January 25, 2003.

"Fluoridation: Right or Wrong." Lecture. International Academy of Oral Medicine and Toxicology. Orlando, FL. April 22, 2002.

"Fluoridation of Municipal Water Systems: Unintended Risks and Consequences." Grand Rounds Lecture Asante/Providence Continuing Medical Education of Southern Oregon, Jan. 3, 2002.

"Fluoride Health Risks." Presentation to Colorado Springs (CO) City Council. March, 2001.

"Hazard and Risk Assessment of Fluoride" J.W. Hirzy and R.J. Carton Presented at Continuing Medical Education Program: Drinking Water Fluoridation and Ingested Fluoride - Scientific Risk Assessment. San Diego, CA. June 19-21, 1998.

"Environmental Protection" Presented at Annual Convention, Equinox, International Corp., Memphis TN, June 1997.

"Professional Ethics at EPA Headquarters" Presented at the Annual Meeting, National Coalition Against Misuse of Pesticides, Washington, D.C. March 1997.

"Point-Counterpoint: Toxic Emissions from Carpeting." 1993 Annual Meeting of the American College of Allergy and Immunology. Atlanta, GA. Nov. 17, 1993

"Role of the Professionals' Union at EPA" Presented at American Greens Gathering, Estes Park, CO. September 1990.

"The Federal Role in Employee Health: The Headquarters Environmental Protection Agency Example." R. Morison and J. W. Hirzy. Presented to: The Danish Indoor Climate Group, Copenhagen, Denmark. July 1990.

"Carpet/4-Phenylcyclohexene Toxicity: The EPA Headquarters Case." J. W. Hirzy and Rufus Morison. Presented before Society For Risk Analysis Meeting, San Francisco, CA. October 30, 1989.

"Preliminary Analysis of Risks Associated with Use of Perchloroethylene in Electrical Transformers" Presented before PCB Symposium of Electric power Research Institute, Kansas City MO. October 6, 1987.

"4,4'-Methylenedianiline: Risk Assessment and Risk Management" Presented before Society for Risk Analysis Meeting, Knoxville, TN. September 30, 1984.

"Phthalate Esters: Risk Assessment and Risk Management--A Systems Approach." Presented before International Conference on Phthalates, University of Surrey, U.K. August 6, 1984.

"The Chemical Industry." Training Seminar for USEPA Employees. May, 1982

"Radioactive Wastes at the St. Louis Airport Site." Seminars at St. Louis Community College. 1979-80.

"Phthalate Esters: The Environmental Issues." J. W. Hirzy, W. J Adams, W.E. Gledhill and J. P. Mieure. Seminar at Duluth Research Laboratory, USEPA. October 6, 1978.

"Intermediate Reduction Products of Ring-Substituted Nitrostyrenes" Presentation before American Chemical Society Meeting, New York, August 1962.