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PROFESSIONAL EXPERIENCE

1988 - Present National Institutes of Health
National Institute of Environmental Health Sciences
Office of Management
Research Triangle Park, NC 27709

Position: Chief, Health and Safety Branch

- Manage NIEHS programs for industrial hygiene, radiological health, safety, environmental protection, health surveillance, emergency preparedness and worker's compensation.
- Manage NIEHS hazardous waste management program for chemical, radiological, and biological wastes.
- Interpret, evaluate, and recommend approaches to comply with regulatory initiatives at the Federal, state, and local levels.
- Identify and assess occupational hazards and environmental effects that may be caused by biomedical research. Plan and direct research hazard assessment programs.
- Represent the agency in meetings, conferences, and committees on policy issues involving employee safety and health.

1980 - 1988 U. S. Department of Agriculture
Safety and Health Management Division/OFM
Washington, D.C. 20250

Positions: Team Leader; Industrial Hygienist

- Advised senior management on the assessment and control of hazardous chemical, physical, and biological agents associated with USDA programs.
- Planned and directed industrial hygiene surveys and special studies of occupational health hazards at USDA facilities.
- Formulated and coordinated USDA positions on regulatory initiatives concerning occupational health issues.
- Developed and presented training for employees and managers.

1976 - U. S. Department of Labor
1980 Occupational Safety and Health Administration
Directorate of Health Standards Programs
Washington, D.C. 20210

Position: Industrial Hygienist, Senior Project Officer

- Developed new and modified existing OSHA health standards.
- Advised OSHA compliance personnel and the public on interpretations of OSHA health standards and policies.
- Represented OSHA at meetings with agencies, organizations, union groups, and trade associations to present and gather information on OSHA regulatory programs.

EDUCATION

1976 M.S. Industrial Hygiene, University of Pittsburgh
1975 B.S. Psychology, Pennsylvania State University (with distinction)

CERTIFICATION

Diplomate, American Board of Industrial Hygiene -- Certified in Comprehensive Practice,
Certificate No. 2144

AWARDS

2003 ACGIH Meritorious Achievement Award
2002 NIH Merit Award
1997 NIH Director's Award
1996 Special Act Group Award, NIEHS
1993-5 Merit Performance Awards, NIEHS
1990 Special Act Group Award, NIEHS
1986 Special Achievement Award, U.S. Department of Agriculture
1985 ACGIH Bloomfield Award for Meritorious Service in Industrial Hygiene Investigation
1980 Special Achievement Award, U.S. Department of Labor (OSHA)
1975 Training Grant, U.S. Dept. of Health, Education and Welfare (NIOSH)

PROFESSIONAL MEMBERSHIPS AND SERVICE

American Conference of Governmental Industrial Hygienists (1979 - Present)
American Industrial Hygiene Association (1977 - Present)
American Academy of Industrial Hygiene (1981 - Present)

American Board of Industrial Hygiene, Board of Directors (2006-Present)
Foundation of Occupational Health and Safety, Board of Trustees (2002 – Present)
ACGIH Board of Directors, (1998 – 2002), Chair (2000 - 2001)
ACGIH Nominating Committee (2002)
ACGIH Board of Directors, Member-at-Large (1993 - 1996)
ACGIH Finance Committee (1994 - 1995)
ACGIH Agricultural Health and Safety Committee (1985 – 1993), Chair (1990 - 1993)
AIHA/ACGIH Permanent Conference Committee (1989-1991, 1998-1999)
AIHA Potomac Section, Washington, D.C. (1981-88), Treasurer (1984-1985)

Journal of Occup. and Environ. Hyg., Board of Directors (2003-06), President (2003-04)
Applied Occup. and Environ. Hyg. Journal, Editorial Review Board (1990 – 2003)
Applied Occup. and Environ. Hyg. Journal, Editorial Advisory Board (1994 - 2003)
Environmental Health Perspectives, Editorial Review Board (1993 - 1997)

PUBLICATIONS

Merkle S.E. Research Animal Biosafety. In R.J. Alaimo, Ed. *Handbook of Chemical Health and Safety*, American Chemical Society. Oxford University Press, New York, 2001.

Wilson S.H., Merkle S.E., Brown D., Moskowitz J., Hurley D., Brown D., Bailey B., McClain M., Misenhimer M., Bukalew J., and Burks T. Biomedical Research Leaders: Report on Needs, Opportunities, Difficulties, Education and Training, and Evaluation. Environmental Health Perspectives 108: 979-996 (2000).

Rau E.R., Alaimo R.J., Ashbrook P.C., Austin S.M., Borenstein N., Evans M.R., French H.M., Gilpin R.W., Hughes J., Hummel S.J., Jacobsohn A.P., Lee C.Y., Merkle S., Radzinski T., Sloane R., Wagner K.D., and Weaner L.E. Minimization and Management of Wastes from Biomedical Research. Environmental Health Perspectives 108: 953-977 (2000).

Alavanja C.R., Blair A., Merkle S., Teske J., Eaton B. and Reed B. Mortality among forest and soil conservationists. Archives of Environmental Health 44(2):94-101 (1989).

Alavanja C.R., Blair A., Merkle S., Teske J. and Eaton B. Mortality among agricultural extension agents. Amer. J. Industrial Med. 14:167-176 (1988).

Merkle, S. and Bergen, E. *Hazard Communication - A Program Guide For Federal Agencies*. U. S. Government Printing Office, October 1987.

Merkle, S. E. Safety and Health Aspects of Video Display Terminals. Chapter 18 In Amer. Conf. Ind. Hyg., ed. *Microcomputer Applications in Occupational Health and Safety*, Lewis Publishers; 1987. p. 197-200.

Merkle, S. E. Ambient concentrations of formaldehyde and ammonia in a screwworm fly rearing facility. Amer. Ind. Hyg. Assoc. J. 46(6):336-340 (1985).

NIOSH/OSHA Occupational Health Guidelines for Chemical Hazards (NIOSH Pub. No. 81-123). HHS/NIOSH, 1981. [Edited publication for OSHA]

U. S. Department of Agriculture. Safety and Health Management Technical Report Series:

Industrial Hygiene Survey of the SCS New Jersey State Office and Plant Materials Center, TR-87-1, November 1986.

Industrial Hygiene Survey for Airborne Chlorine and Ammonia in the Pilgrims Pride - East Plant, Mt. Pleasant, Texas, TR-85-1, July 1985.

FSIS Meat and Poultry Inspector Exposure to Noise in the Victor F. Weaver Plant, New Holland, Pennsylvania. TR-84-3, August 1984.

Health Hazard Review of Video Display Terminals. TR-84-1, April 1984.

Industrial Hygiene Surveys of Noise Levels in Selected FGIS Grain Inspection and Grading Facilities. TR-83-5, November 1983.

Industrial Hygiene Survey of the SCS State Office, Amherst, Massachusetts. TR-83-1, April 1983 and TR-81-5, October 1981.

Industrial Hygiene Surveys of Methyl Bromide Fumigations in APHIS Plant Protection and Quarantine Programs. TR-82-6, July 1982.

Industrial Hygiene Survey Report of FGIS Field Office - Fort Worth, Texas. TR-81-2, May 1981.

Merkle, S.E., Phase contrast and electron microscopic evaluation of submicron diameter fibrous glass, Master's thesis, University of Pittsburgh Graduate School of Public Health, 1976.

PRESENTATIONS

Merkle, S.E., and Sloane, R. Integrating Resource Recovery and Waste Management in Biomedical Research. Laboratories for the 21st Century 2002 Annual Conference. Durham, NC. October 8, 2002

Merkle, S.E., The TLV Chemical Substances Committee - The Process for Decision Making. American Industrial Hygiene Conference and Exposition: Forum 214. San Diego, CA. June 2002.

Merkle, S.E. ACGIH's Future Role in the Development of TLVs. American Industrial Hygiene Association, Carolinas Section Spring Conference. Charlotte, NC. March 15, 2002.

Merkle, S.E. Future Developments in TLVs. (Luncheon speaker) American Society of Safety Engineers, North Carolina Chapter. Raleigh, NC. February 13, 2002.

Merkle, S.E. TLVs. (Lucheon speaker). American Industrial Hygiene Association. Carolinas Local Section. City Meeting, Raleigh, NC. January 17, 2002

Merkle, S.E. OELs, TLVs, and Occupational Hygiene. International Conference of Industrial Hygiene, Caracas, Venezuela, July 2001.

Merkle, S.E. Building Alliances. American Industrial Hygiene Conference and Exposition, Roundtable 214: Partnership, Coalition, Consensus - The Professional Organization Perspective. New Orleans, LA. June 2001.

Merkle, S.E. Threshold Limit Values for Chemical Substances: Honoring Tradition – Preparing for the Future. American Industrial Hygiene Association, Carolinas Section Fall Technical Conference. Charleston, SC. October, 1999.

Merkle, S.E. Development of Occupational Hygiene in the United States. Joint ACGIH/IOMEH Seminar: Organization and Functioning of Occupational Hygiene in the Countries of Central and Eastern Europe during the Transition Period. Sosnowiec, Poland. September, 1998.

Shropshire, V.D., Hunt, C.L., and Merkle, S.E. An industrial hygiene evaluation of hardwood dust exposure during the dispensing of animal bedding. American Industrial Hygiene Conference and Exposition. May, 1996.

Shropshire, V.D., Hunt, C.L., and Merkle, S.E. An evaluation of methoxychlor exposure during animal dosing procedures. (Best Poster Award, Session 2) American Industrial Hygiene Conference and Exposition. May, 1995.

Merkle, S.E. Managing Hazardous Materials Emergencies in Biomedical Research Facilities -- Postincident Management. 12th NIH Research Safety Symposium. Bethesda, MD. March, 1990.

Merkle, S.E. Hazard communication and community right-to-know. 2nd USDA Safety and Health Conference. San Diego, CA. March, 1988.