

SMOGER & ASSOCIATES
A PROFESSIONAL CORPORATION

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November 17, 1993

Ms. Carol Van Strum and
Mr. Paul E. Merrell
7493 E. Five Rivers Road
Tidewater, Oregon 97390

Re: Gaffey v. Montague

Dear Ms. Van Strum and Mr. Merrell:

I believe our copy of George Carlo's deposition exhibits were shipped to the law offices of Newman and Bronson. However, we are able to provide a copy of his Curriculum Vitae for your review.

Thank you for your time and attention to this matter.

Very truly yours,

SMOGER & ASSOCIATES


Carol A. Nickerson
Secretary to Gerson H. Smoger

/cn

Enc.

April 29, 1991

GEORGE LOUIS CARLO

1225 I Street NW
Suite 1200
Washington, DC 20005
(202) 289-6800 (telephone)
(202) 682-5822 (facsimile)

EDUCATION

- B.A. (cum laude) State University of New York at Buffalo
(Biology)
- M.S. Roswell Park Memorial Institute, Division of Graduate
Studies (SUNYAB), Department of Epidemiology
(Epidemiology)
- Ph.D. Roswell Park Memorial Institute, Division of Graduate
Studies (SUNYAB), Department of Experimental Pathology
(Experimental Pathology/Epidemiology)
- J.D. George Washington University National Law Center
(Environmental Law)

CERTIFICATION

American College of Epidemiology

EXPERIENCE

- 9/84 to Chairman
present Health & Environmental Sciences Group, Ltd.
Washington, DC
- 8/86 to Assistant Professorial Lecturer in Medicine
present George Washington University, School of Medicine and
Health Sciences
Washington, DC
- 5/86 to Clinical Assistant Professor
present State University of New York at Buffalo, School of
Medicine
Buffalo, NY

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1/82 to present	Adjunct Faculty Roswell Park Memorial Institute, Division of Graduate Studies, State University of New York at Buffalo Buffalo, NY
4/85 to 5/86	Research Associate State University of New York at Buffalo, School of Medicine, Department of Social and Preventive Medicine Buffalo, NY
6/81 to 5/84	Research Leader in Epidemiology Dow Chemical Company Midland, MI
6/81 to 6/82	Adjunct Professor University of Arkansas for Medical Sciences Little Rock, AR
2/80 to 6/81	Assistant Professor University of Arkansas for Medical Sciences, Department of Pharmacology and Interdisciplinary Toxicology Little Rock, AR
9/79 to 6/81	Assistant Professor University of Arkansas for Medical Sciences, Department of Family and Community Medicine Little Rock, AR
8/78 to 9/79	Clinical Instructor State University of New York at Buffalo, School of Medicine, Department of Social and Preventive Medicine Buffalo, NY
8/78 to 9/79	Epidemiologist State University of New York at Buffalo, School of Medicine, Research Program in Occupational and Environmental Health Buffalo, NY
9/77 to 8/78	Teaching Assistant Roswell Park Memorial Institute, Division of Graduate Studies, State University of New York at Buffalo, Department of Epidemiology Buffalo, NY

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PROFESSIONAL PUBLICATIONS

Abstracts (selected)

Carlo GL: Painting as a Possible Occupational Cancer Hazard.
New York State Department of Health, Mentor, June 1978.

Vena JE, Rogers K, and Carlo GL: Studying the Occupational Health of Auto Workers Using Union Data: Issues and Progress. Proceedings of the 108th Annual Meeting, American Public Health Association, October 1980.

Carlo GL, Arrighi HM, and Vena JE: The Healthy Worker Effect and Contradictory Results in SMR and PMR Analyses. Proceedings of the 17th Annual Meeting, Society for Epidemiologic Research, June 1981.

Kahn A, Davidson K, and Carlo GL, et al: Chronic Adult Stress Syndrome and the Primary Care Physician. Proceedings of the North American Primary Care Research Group Meeting, 1981.

Davidson K, Kahn A, and Carlo GL, et al: Lifestyle Modification Counseling in the Treatment of the Chronic Adult Stress Syndrome. Proceedings of the North American Primary Care Research Group Meeting, 1981.

Carlo GL, Arrighi HM, and Vena JE: The Healthy Worker Effect and Contradictory Results in SMR and PMR Analyses. American Journal of Epidemiology. Volume 114, No. 3, September 1981.

Carlo GL and Hearn S: Practical Aspects of Conducting Reproductive Epidemiology Studies in Industry. Proceedings of the 5th Annual Rocky Mountain Center for Occupational and Environmental Health Research Symposium, April 1983.

Carlo GL: Systematic Account and Critical Appraisal of Current Epidemiological Approaches for Monitoring Reproductive Outcome in Industry: Industry Viewpoint. Proceedings of the 5th Annual Rocky Mountain Center for Occupational and Environmental Health Research Symposium, April 1983.

Carlo GL, Doemland ML, LeVois ME, and Ponomarenko T: Expanding the Interface Between Epidemiology and the Law: A Model for Settlement of Toxic Torts. American Journal of Epidemiology. Volume 124, No. 3, September 1986.

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Carlo GL and Buck GM: Dose-Response Relationships in Exposure to Human Teratogens: The Importance of Timing. American Journal of Epidemiology. Volume 126, No. 3, September 1988.

LeVois ME and Carlo GL: Diagnostic Suspicion in the Recognition of Early Stage Reye's Syndrome: A Survey of Physicians. American Journal of Epidemiology. Volume 127, No. 4, October 1988.

Articles and Reports (selected)

Carlo GL: Organic Drinking Water Contaminants and the Incidence of Selected Gastrointestinal and Urinary Tract Cancers. State University of New York at Buffalo Doctoral Dissertation, 1979.

Carlo GL and Mettlin CJ: Cancer Incidence and Trihalomethane Concentrations in a Public Drinking Water System. American Journal of Public Health, Volume 70, No. 5, May 1980.

Kimmell CA, Carlo GL, Hogue CJ, and Holson JF: Suitability of Animal Models for Predicting Hazards to Human Development. Proceedings of the Toxicology Forum 1981 Winter Meeting, February 1981.

Bond GG and Carlo GL: An Epidemic of Cancer? The Evidence in Perspective. Dow CRI Report B-600-272-81, July 1981.

Currier MF, Carlo GL, Poston PL, and Ledford WE: A Cross-Sectional Study of Employees With Potential Workplace Exposure to Ethylene Oxide. British Journal of Industrial Medicine, Volume 41, pp. 492-498, 1984.

Carlo GL, Cook RR, Hearn S, et al: Assessment of Fertility Potential Among Male Employees: Practical Scientific Needs. Dow CRI Report B-492-82, 1982.

Carlo GL: The Clean Air Act and Its Research Initiatives: The Need for Innovative Public Health Research. Dow CRI Report B-446-82, 1982.

Carlo GL, Currier MF, and Flanagan KJ: The Louisiana Cancer Controversy: Some Scientific Perspectives. Louisiana Medical Journal, March 1983.

Plomer JJ and Carlo GL: The Health Effects of Ozone: An Overview of the Scientific Literature. Dow CRI Report, 1982.

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Page 5

Kimmel CA, Holson J, Hogue CJ, and Carlo GL: Reliability of Experimental Studies for Predicting Hazards to Human Development. National Center for Toxicological Research Technical Report 6015, January 1984.

Ott MG, Carlo GL, Bond GG, and Steinberg S: Mortality Experience of Employees Involved in Chemical Manufacturing and Related Activities. American Journal of Epidemiology, Volume 122, No. 2, August 1985.

Carlo GL and Miller MK: Health Surveillance Around Hazardous Waste Sites: A Cost-Effectiveness Analysis for Cancer Mortality. Contract Study Report, Chemical Manufacturers Association, 1985.

Vena JE, Sultz HA, Fiedler RC, Barnes RE and Carlo GL: Mortality of a Municipal Worker Cohort: I. Males. American Journal of Industrial Medicine, Volume 7, pp. 241-252, 1985.

Carlo GL: Health Surveillance as it Applies to the Hazardous Waste Issue: Conceptual Overview and Assessment. Contracted Study Report, Chemical Manufacturers Association, November 1985.

Carlo GL: Implementation of Intervention Components of Multidisciplinary Health Surveillance: Selected Disease Specific Models for Estimating Costs. Contracted Study Report, Chemical Manufacturers Association, 1986.

Vena JE, Sultz HA, Carlo GL, Fiedler RC, and Barnes RE: Sources of Bias in Retrospective Cohort Mortality Studies: A Note on Treatment of Subjects Lost to Follow-up. Journal of Occupational Medicine, Volume 29, No. 3, March 1987.

Carlo GL, Doemland ML, LeVois ME, Ponomarenko T, and Conroy C: Birth Rates and Potential for Exposure to Trace Amounts of DBCP Through Groundwater Contamination: A Study of California Counties. Contracted Study Report, Dow Chemical, 1988.

Carlo GL, Doemland ML, LeVois ME, Ponomarenko T, and Conroy C: Cancer Mortality and Potential for Exposure to Trace Amounts of DBCP Through Groundwater Contamination: Study of California Counties. Contracted Study Report, Dow Chemical, 1988.

Carlo GL and LeVois ME: Mortality Surveillance at the Mobay Chemical Corporation New Martinsville, West Virginia Facility: Report on a General Mortality Survey. February 1988.

Carlo GL, LeVois ME, and Godfrey LR: Public Health Claims Under Superfund: New Data and Tools for Estimating Liability and Apportioning Claims. Environmental Claims Journal, December 1988.

LeVois ME and Carlo, GL: Diagnostic Suspicion in the Recognition of Early Stage Reye's Syndrome: A Survey of Physicians. Contracted Study Report, Aspirin Foundation of America, 1989.

Carlo GL, Baller J, Sund KG. New science in risk assessments: adapting to the reforms. Environmental Claims Journal 3 (3): 367-376 (Spring, 1991).

Baller J, Carlo GL, Sund KG. The Agency for Toxic Substances and Disease Registry: an emerging power in the hazardous waste arena. Environment Reporter 21 (44): 1951-1956 (March 1, 1991).

Carlo GL, Lee NL, Pettygrove SD, Sund KG. The interplay of science, values and personal experiences among scientists asked to evaluate the hazards of dioxin, radon and environmental tobacco smoke. Risk Analysis (in press).

Chapters in Books (selected)

Carman DD and Carlo GL: Obesity: Prevention and Control. In: Chronic Disease: Concepts and Application. C.V. Mosby Co., 1980.

Carlo GL and Hearn S: Practical Aspects of Conducting Reproductive Epidemiology Studies in Industry. In: Reproduction: The New Frontier in Occupational and Environmental Health Research. New York: Alan R. Liss, 1984.

Carlo GL: Systematic Account and Critical Appraisal of Current Epidemiological Approaches for Monitoring Reproductive Outcome in Industry: Industry Viewpoint. In: Reproduction: The New Frontier in Occupational and Environmental Health Research. New York: Alan R. Liss, 1984.

Carlo GL, LeVois ME, and Lang BE: The Public Health Authorities of Superfund: New Areas of Significant Cost Liability. In: Insurance Claims for Environmental Damages: Legal and Technical Considerations. Executive Enterprises Publishing Company, 1988.

Editorials, Reviews, Miscellaneous (selected)

Carlo GL and Hogue CJ: Analysis of Infant Deaths and Stillbirths in Pope County, Arkansas. Arkansas State Department of Health, October 1979.

Carlo GL and Cook RR: Comments Prepared for the Office of Technology Assessment, Congress of the United States, regarding "Draft Protocol for Epidemiological Studies of Agent Orange." September 1981.

Carlo GL and Barth SJ: The U.A.R.E.P. Study on Hazardous Waste and Human Health: What Does It Tell Us? Chemical Manufacturers Association Report, April 1985.

Health & Environmental Sciences Group. Dioxin: the facts. Information Clearing House, Laverton North, Victoria, Australia, 1990.

Carlo G, Sund K. Thumbs on the scales of risk? The Washington Times: G3 (March 12, 1991).

Carlo GL, Sund KG. Re.: how dangerous is dioxin? The New England Journal of Medicine (in press).

PROFESSIONAL PAPERS PRESENTED (selected)

Vena JE, Rogers KA, and Carlo GL: Studying the Occupational Health of Auto Workers Using Union Data: Issues and Progress. Presented to American Public Health Association, October 1980.

Carlo GL: Health Monitoring Around Hazardous Waste Management Facilities. Presented to Arkansas Federation of Water and Air Users, October 1980.

Kimmel C, Carlo G, Hogue C, and Holson J: Suitability of Animal Models for Predicting Hazards to Human Development. Panel discussion presented at the Toxicology Forum Winter Meeting, February 1981.

Kahn A, Davidson K, Carlo G, et al: Chronic Adult Stress Syndrome and the Primary Care Physician. Presented to North American Primary Care Research Group, March 1981.

Davidson K, Kahn A, Carlo G, et al: Lifestyle Modification Counseling in the Treatment of the Chronic Adult Stress Syndrome. Presented to North American Primary Care Research Group, March 1981.

Carlo GL, Panel Moderator: Assessing Environmental Health Risks: The State of the Art in Arkansas. Arkansas Public Health Association Meeting, April 1981.

Carlo GL, Arrighi HM, and Vena JE: The Healthy Worker Effect and Contradictory Results in SMR and PMR Analyses. Presented to Society for Epidemiologic Research, June 1981.

Carlo GL: Health Effects of Ozone. Presented to Chemical Manufacturers Association Environmental Update, May 1983.

Carlo GL, LeVois ME, and Doemland ML: Attributable Risk Under the Health Assessment Framework of Superfund. Chemical Manufacturers Association Symposium on Measures of Risk. June, 1986.

Carlo GL and Buck GM: Dose-Response Relationships in Exposure to Human Teratogens: The Importance of Timing. Presented to Society for Epidemiological Research, June 1987.

Carlo GL, Schumacher RP, and Lang BE: Health Surveillance as an Evolving Concept of Redress: A Legal Remedy in Public Health Currency. Society of Environmental and Occupational Health Annual Conference, Toxic Wastes and Public Health: The Impact of Superfund, April 1988.

Carlo GL, Lee NL, Pettygrove SD, Sund KG. Potential value judgement influences among scientists asked to evaluate the hazards of dioxin, radon and ETS. Presented to Society for Risk Analysis, October 1990.

RESEARCH PROJECTS (selected)

Principal Investigator, "Painting as a Possible Occupational Cancer Hazard," funded by Department of Epidemiology, Roswell Park Memorial Institute, 1976-1977.

Project Director, "Mortality Experience of a Municipal Worker Cohort and Subsequent Application of the Methodological Issue of the Healthy Worker Effect," funded by New York State Health Research Council, 1979-1980.

Principal Investigator, "Birth Cohort Infant Mortality and Environmental Insult in Arkansas Counties," funded by U.S. Environmental Protection Agency, 1980.

"Mortality Experience of a Cohort of Western New York Auto Workers," funded by New York State Health Research Council, 1980-1981.

"Reliability of Animal Models for Predicting Hazards to Human Development," supported by National Teratology Project, National Center for Toxicological Research, 1980-1981.

"Minor Morbidity Due to Diuretic Induced Potassium Depletion in Hypertensive Patients," supported by Department of Family and Community Medicine, University of Arkansas for Medical Sciences, 1981.

"The Incidence and Prevalence of the Chronic Adult Stress Syndrome in a Family Practice Clinic," supported by Department of Family and Community Medicine, University of Arkansas for Medical Sciences, 1981.

Primary Investigator, "Cross-Sectional Study of Employees with Potential Workplace Exposure to Ethylene Oxide," Dow Chemical Company, 1981.

Primary Investigator, "Trends in All Causes and All Cancer Mortality in Western North Carolina Counties: 1960-1981," Dow Chemical Company, 1982.

Primary Investigator, "A Vital Status Registry and General Mortality Survey for the Louisiana Division of Dow Chemical U.S.A.," Dow Chemical Company, 1982.

Primary Investigator, "Development of a Morbidity Reporting System and Cancer Registry for the Louisiana Division of Dow Chemical U.S.A.," Dow Chemical Company, 1982.

"An Assessment of Clinical Laboratory Test Reference Limits," Dow Chemical Company, 1983.

Primary Investigator, "Health Surveillance Around Hazardous Waste Sites: A Cost-Effectiveness Analysis for Cancer Mortality," 1984.

"Factors Influencing the Recognition of Early Stage Reye's Syndrome Among Physicians in the United States," funded by The Aspirin Foundation of America, 1988.

Health & Environmental Sciences Group. Baseline Cancer Risk Assessment: Frontier Chemical Waste Process, Inc., Niagara Falls, New York. April 25, 1990.

Health & Environmental Sciences Group. Study review packet, drinking water chlorination and cancer [a comprehensive review of the scientific literature on drinking water chlorination]. June 1990.

Health & Environmental Sciences Group, Ltd. The scientific literature on chlorophenols, a review. October 1990.

Carlo GL, Baller J, Sund KG. Comments on the Health Assessment Guidance Manual proposed by the Agency for Toxic Substances and Disease Registry. November 20, 1990.

Health & Environmental Sciences Group, Ltd. Emissions from the Nufarm Limited Layerton North facility: PCDD/PCDF human health risk assessment. January 8, 1991.

Carlo GL, Sund KG, Baller J. Testimony regarding a dioxin water quality standard for the state of Mississippi. January 29, 1991.

Health & Environmental Sciences Group, Ltd. Health risk management audit: Nufarm Limited. January 31, 1991.

Carlo GL, Sund KG. Critique and analysis of the two papers relating to dioxin published in the January 24, 1991 issue of The New England Journal of Medicine. February 19, 1991.

Sund KG, Carlo GL. Overview of PCB health and safety considerations. April 1, 1991.

SEMINARS (selected)

"Methodological Difficulties in Using a Small Subset of a Self-Selected Hospital Population as an Occupational Study Base" to Department of Experimental Pathology, Roswell Park Memorial Institute, Fall 1976.

"Painting: A Possible Occupational Cancer Hazard" to Department of Experimental Pathology, Roswell Park Memorial Institute, Spring 1977.

"Mortality Experience of a Chemical Exposure Cohort" to the Western New York Council on Occupational Safety and Health, June 1978.

"Research Methods in Occupational and Environmental Health" to Department of Social and Preventive Medicine, SUNY at Buffalo School of Medicine, Fall 1978.

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"Organic Drinking Water Contaminants and Cancer Incidence" to Department of Epidemiology, University of California at Berkeley School of Public Health, June 1979.

"An Overview of Occupational Cancer Epidemiology" to National Center for Toxicological Research, Pine Bluff, Arkansas, July 1979.

"Epidemiology and the Art of Medicine" to Department of Family and Community Medicine, University of Arkansas for Medical Sciences, November 1979.

"Routine Surveillance of Reproductive Events" to Department of Health and Environmental Sciences, Dow Chemical Company, April 1981.

"An Epidemic of Cancer? The Evidence in Perspective" to Department of Health and Environmental Sciences, Dow Chemical Company, July 1981.

"The Health Effects of Chlorinated Dioxins" to Department of Epidemiology, Oak Ridge Associated Universities, Oak Ridge, Tennessee, September 1983.

"Epidemiological Studies of Chlorinated Dioxins: An Overview" to Roswell Park Memorial Institute Occupational Epidemiology Symposium, November 1983.

"Assessment and Management of Public Health Risk: New Areas of Potential Liability," Executive Enterprises, Inc. Symposium, Insurance Claims for Environmental Damages: Technical and Legal Considerations, New York, N.Y., May 1988.

"Health Related Authorities Under SARA", Executive Enterprises, Inc. Oil and Gas Industry Environmental Regulation Conference, Houston, Texas, October 1988.

"Insurance Claims for Environmental Damages: Legal and Technical Considerations," Executive Enterprises, Inc., San Francisco, CA, May 1989.

"Health Effects Regulation: Identifying, Minimizing and Managing Compliance under Federal Environmental Laws," Executive Enterprises, Inc., Washington, DC, February 1990.

"Symposium on Science and Law in Environmental Claims: The Use and Abuse of Scientific Evidence in the Courtroom," Executive Enterprises, Inc., Washington, DC, October 1990.

"Insurance Claims for Environmental Damages: Successful Strategies for Insurers and Insureds," Executive Enterprises, Inc., Washington, DC, November 1990.

"Health risk issues: chlorine and related compounds," by Carlo GL, Sund KG. Chlorine Plant Operations Seminar, Washington, DC, March 1991.

OTHER PROFESSIONAL PRESENTATIONS (selected)

Invited Participant, "Health Effects of Ozone and Other Photochemical Oxidants," U.S. Environmental Protection Agency Workshop, November 1983.

Invited Participant, "Epidemiology and the Courts," Symposium at the American College of Epidemiology Annual Meeting, 1985.

Invited Participant, "Epidemiology and the Law," Symposium sponsored by the University of Cincinnati at the Cincinnati Epidemiology Forum, November, 1986.

Invited Testimony before the Subcommittee on Health and Safety, Committee on Education and Labor, U.S. House of Representatives, concerning H.R. 162, The High Risk Occupational Disease Notification and Prevention Act of 1987, March 17, 1987.

Invited Participant, "Environmental Risks for Lenders," Infocast Bankers Symposium, Washington, D.C., Fall 1987.

Invited Participant, "Epidemiological, Toxicological, and Clinical Evidence in Toxic Tort Litigation," Erie County Bar Association Spring Meeting, Buffalo, N.Y., May 1988.

Invited Participant, "Biological Basis for Risk Assessment of Dioxins and Related Compounds," Banbury Center Conference, Cold Spring Harbor, NY, October 1990.

UNPUBLISHED MANUSCRIPTS AND ARTICLES IN PREPARATION (selected)

Carlo GL and Lang BE: The Health Related Authorities under the Superfund Amendments and Reauthorization Act of 1986: RI/FS, Settlement and Cost-Recovery Aspects. May 1987.

Reitze AW and Carlo GL: Federal Legislation to Compensate Disease Victims: An Evolving Concept. May 1987.

Carlo GL: The Use of Disparate Impact Statistics to Infer Intent in Disparate Treatment Cases: An Analysis of Watson v. Fort Worth Bank and Trust. December 1987.

Carlo GL: Evaluating U.S. and U.S.S.R. Strategies for Managing the Risk of Nuclear War: A Comparison Based on an Environmental Risk Management Model. December 1987.

Carlo GL: Aspirin, Reye's Syndrome and the Warning Label: Too Late or Too Early? December 1987.

Carlo GL and Campbell L: Compensating Persons With Diseases Related to Pollution in the United States and Japan: A Synthesis of Approaches and a Recommendation. April 1988.

Carlo GL: Prevention as an Alternative in the Delivery of Health Care: A Cost-Effectiveness Analysis of Selected Primary and Secondary Preventive Interventions. May 1988.

Carlo GL: Health Surveillance as a Remedy in Latent Injury Cases: A Convergence of Legal, Equitable, and Scientific Principles. May 1988.

Carlo GL and Reitze AW: Medical Surveillance, Superfund and Tort Actions and The Agency for Toxic Substances and Disease Registry. May 1988.

Carlo GL, Sund KG, Baller J, Rhyne KL. Dioxin: current science warrants regulatory overhaul (in preparation).

Sund KG, Carlo GL, Baller J. Benefits of drinking water chlorination (in preparation).

Sund KG, Carlo GL. Review article on the chlorination of drinking water and cancer (in preparation).

Carlo GL, Buffler P, Corn M, Jablinske MR, Lee NL, Sund KG. Mortality study of a cohort of active and retired workers in a rubber manufacturing facility (in preparation).

COURSES TAUGHT

Quantitative Epidemiology - University of Arkansas for Medical Sciences

Clinical Oncology - University of Arkansas for Medical Sciences

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Preventive Medicine Seminar - University of Arkansas for
Medical Sciences

Clinical Epidemiology - George Washington University, Medical
Center

Reproductive Epidemiology - State University of New York at
Buffalo, School of Medicine

Epidemiology and the Law - SUNY at Buffalo O'Brian School of
Law

PROFESSIONAL ASSOCIATIONS

10/90 to Member, Society for Risk Analysis
present

11/86 to Member, American Association for the Advancement
present of Science

1/86 to Member, New York Academy of Sciences
present

1/86 to Member, Society for Occupational and Environmental
present Health

2/88 to Member, The Defense Research and Trial Lawyers
present Association

2/85 to Member, American Bar Association
present

4/80 to Member, Sigma XI, Honorary Research Society
present

9/77 to Member, American Public Health Association
present

9/77 to Member, Society for Epidemiological Research
present

6/81 to Member, Industrial Epidemiology Forum
5/84

9/77 to Member, New York State Public Health Association
9/79

9/77 to 9/79 Member, Western New York Epidemiology Society

8/78 to 9/79 Member, Western New York Council on Occupational Safety and Health

PROFESSIONAL ADVISORY ACTIVITIES

8/81 to present Office of Technology Assessment, U.S. Congress, Agent Orange Advisory Panel ✓

8/89 to present Industry Task Force on 2,4-D Research Data, Scientific Advisor ✓

1/90 to present Chlorine Institute, Inc., Scientific Advisor ✓

2/91 to present Nufarm Limited, Scientific Advisor ✓

PROFESSIONAL COMMITTEES

1/82 to 1/85 Member, Society for Epidemiologic Research/American Public Health Association Joint Committee on Governmental Affairs

1/82 to 2/84 Member, Louisiana Chemical Association Cancer Task Force

5/82 to 2/84 Chemical Manufacturers Association, Air Pollutant Effects Task Group (Leader), Ozone Health Effects Work Group (Member), Government Research Work Group (Member)

1/82 to 5/84 Member, Ethylene Oxide Industry Council, Epidemiology Committee

1/82 to 6/83 Member, American Industrial Health Council, Scientific Principles of Causality Subcommittee

10/80 to 6/81 Member, Toxics Public Information Program, Technical Advisory Committee, State of Arkansas

9/80 to 6/81 Member, University of Arkansas for Medical Sciences Research Council

3/80 to Chairman, Research Committee, Department of Family and
6/81 Community Medicine, University of Arkansas for Medical
Sciences

12/79 to Member, State of Arkansas Hazardous Waste Technical
6/81 Advisory Committee

8/78 to Project Director, Research Foundation of the State of
7/79 New York

8/78 to Consultant, Hazardous Waste Task Force, New York State,
6/79 Department of Health

6/76 to Administrative Vice-President, Graduate Student
6/77 Association, SUNYAB

6/75 to Member, University Senate, Roswell Park Memorial
6/77 Institute, Division of Graduate Studies, SUNYAB

FELLOWSHIPS

New York State Department of Health (1977)

HONORS

Outstanding Young Men of America (1980)

Commendation, Arkansas Commission on Pollution Control and
Ecology (1981)

Who's Who Among American Law Students (1986)

MISCELLANEOUS

Television, radio, and newspaper interviews regarding health risk
assessment, risk management and risk communication.

Expert Witness.

Various speeches and other speaking engagements focusing on
health risk and health policy.