

Richard A. Parent, PhD, DABT, FATS, RAC, ERT

Consultant in Toxicology

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EDUCATION:

Ph.D., Rutgers University, New Brunswick, New Jersey, 1963
M.S., Northeastern University, Boston, Massachusetts, 1959
B.S., University of Massachusetts, Amherst, Massachusetts, 1957

CERTIFICATIONS:

Board Certified, Fellow of the Academy of Toxicological Sciences, 2000 to present
Board Certified, American Board of Toxicology, 1981 to present
Board Certified, Regulatory Affairs Certification Board, 1993 to present
Registered Toxicologist in France, 1999 to present
Registered Expert Toxicologist in Europe (EUROTOX), 1999 to present
Certified Specialist - Intoxilyzer 5000, 2006

PROFESSIONAL POSITIONS:

- President, Consultox, Limited, Damariscotta, Maine, and New Orleans, Louisiana, 1984-present
- Member, Board of Directors, CCA Associates, Baton Rouge, Louisiana, 1984-1989
- Director, Life Sciences Division, Gulf South Research Institute, New Iberia, Louisiana, 1982-1984
- Vice President & Director, Food & Drug Research Laboratories, Inc., Waverly, New York, 1979-1982
- Consultant Toxicologist, International Union of Airline Flight Attendants, 1977-1979
- Staff Toxicologist, Xerox Corporation, Rochester, New York, 1969-1979
- Board of Directors & Consulting Toxicologist, Delta Laboratories, Rochester, New York, 1969-1979
- Senior Research Chemist, American Cyanamid, Bound Brook, New Jersey, 1959-1969

LANGUAGES:

- Fluent in French and English

PROFESSIONAL SOCIETIES AND HONORS:

- Fellow, Academy of Toxicological Sciences, 2000-present
- Regulatory Affairs, Certified by the Regulatory Affairs Certification Board, 1993, Re-Certified, 2004, 2007, 2009
- Diplomate, American Board of Toxicology, 1981-present (recertified 1987, 1992, 1997, 2002, 2007)
- Member, Société Française de Toxicologie, 1989-present
- Member, EUROTOX (European Society of Toxicology), 1990-present
- Regulatory Affairs Professional Society, 1992-present
- Chairman, Roundtable of Toxicology Consultants, 1985-1988, Founder 1984, member to present
- American College of Toxicology, 1978-present; Animals in Research Committee, 1988-1989
- Member, Cosmetic Toiletries & Fragrance Association (CTFA), 1995-2000
- Member, Drug Information Association, 1997-2000
- International Society of Regulatory Toxicology and Pharmacology, 1992-present
- Founding Editor, *Journal of the American College of Toxicology*, Part B, *Acute Toxicity Data*, 1989-1997
- Editorial Board, *Journal of Applied Toxicology*, 1980-2008, North American Editor, 1988-1998
- Section Editor, *Journal of the American College of Toxicology*, 1988-1999
- Editorial Board, *International Journal of Toxicology*, 1999-present
- Editorial Board, *Toxicology Methods*, 1990-2002
- Editorial Board, *Toxicology Mechanisms and Methods*, 2002-present
- Society of Toxicology, 1979-present
 - President and Founder, Specialty Section on Epidemiology, 1998-2000
 - Placement Service, Co-director 1982-1984; Director 1984-1986
 - Communications Task Group, 1983-1984
 - Vice-President, Regulatory and Safety Evaluation Specialty Section, 1993-1995
 - President, Regulatory and Safety Evaluation Specialty Section, 1995-1996
 - Carcinogenesis and Risk Assessment Specialty Section, 1984-present
 - Inhalation Toxicology Specialty Section, 1986
 - Technical Committee, 1990
 - Long Range Planning Committee, 1986-1987
 - Anniversary Committee, 1985-1986
 - Mid-Atlantic Chapter, 1981-1982
 - Northeast Chapter, 1994
 - Gulf Coast Chapter, 1982-1990
- Association for the Advancement of Medical Instrumentation, 1993-1996
- ASTM Committee F4 on Medical and Surgical Materials and Devices, Subcommittee on Biocompatibility, 1992-1994
- Member, Society for Biomaterials, 1993-1997
- ASTM Committee E-34 on Occupational Safety & Health
 - Vice Chairman, 1977-1979; Chairman, 1979-1984
 - Award for Outstanding Service, October 19, 1983
 - Member at Large, 1989-1999
- International Society for the Study of Xenobiotics, 1982-present; emeritus 2002-present
- Editorial Board, *Journal of the Society of Cosmetic Chemists*, 1975-1990

PROFESSIONAL SOCIETIES AND HONORS: (cont'd.)

- American Cyanamid Educational Award, 1962-1963
- American Men & Women of Science
- Who's Who in the East, 1982
- 49th Edition of Who's Who, 1995
- National Science Foundation Fellow, 1958-1959, 1960-1961
- New York Academy of Sciences, AAAS
- Sigma Xi, Phi Lambda Upsilon, ACS
- Who's Who in Science and Engineering, 1996
- Who's Who in Executives & Professionals, 1997
- Who's Who in the World, 1998

COMMITTEES, CHAIRMANSHIPS AND INVITED LECTURES:

- Invited Lecture, "Toxicological Consequences of the Gulf Oil Spill on Workers and Residents of the Coast", Presented at the 61st Annual Toxicology Roundtable, Elkhart Lake, Wisconsin, September 27, 2010.
- Chairperson, Informational Session, "Recent Advances in Pulmonary Surfactant Toxicology Assessment and Therapeutics", 49th Annual Meeting of the Society of Toxicology, Salt Lake City, Utah, March 9, 2010.
- Session Chairman and Organizer of Continuing Education Course, "Comparative Biology of the Lung", 49th Annual Meeting of the Society of Toxicology, Salt Lake City, Utah, March 7, 2010.
- Invited Speaker, "Chinese Drywall - Toxicity, Risk and Causation," Chinese Drywall HB Litigation Conference, New Orleans, Louisiana, November 11, 2009.
- Invited Speaker, Continuing Education Course, "Consulting in Toxicology Expert Testimony" 30th Annual Meeting, American College of Toxicology, Palm Springs, California, November 1, 2009.
- Session Chairman and Organizer of Continuing Education Course, "Epidemiology for Toxicologists," 47th Annual Meeting, Society of Toxicology, Seattle, Washington, March 16, 2008.
- Session Chairman, Toxicology in the Courtroom: Establishing Causation, A Roundtable Discussion, Richard A. Parent, Bernard Goldstein and David Eaton, Society of Toxicology Meeting, San Diego, California, March 6, 2006.
- Invited Speaker, 230th National American Chemical Society Meeting, Washington, DC, "Where Toxicology Meets the Law, Focus on Dioxin" Mock Trial, August 31, 2005.
- Invited Speaker, Roundtable of Toxicology Consultants, Summer Meeting, "Structuring an Expert Report", Gaithersburg, Maryland, August, 27, 2005.
- Toxic Torts: Toxicologists in the Courtroom, Co-chair and presenter; platform session, Society of Toxicology Meeting, New Orleans Louisiana, March 8, 2005
- Invited Lecture, "Causation, the Bedrock of Toxic Tort Litigation", Roundtable of Toxicology Consultants, Williamsburg, Virginia, October 16, 2003.
- Invited Lecture, "Causation, the Bedrock of Toxic Tort Litigation", Connecticut Defense Lawyers Association, Quinnipiac University School of Law, Hamden, Connecticut, March 28, 2003.
- Co-Chairman and Organizer of Continuing Education Course, "Environmental Epidemiology and Toxicology: the Interface and the Interactions" 39th Annual Meeting of the Society of Toxicology, Philadelphia, Pennsylvania, March 19, 2000.
- Invited Lecturer, "Mealy Publications Conference on Fen-Phen", St. Regis Hotel, Philadelphia, Pennsylvania, October 18-19, 1999.
- Organized "Electromagnetic Fields: Toxicology, Epidemiology and N.I.E.H.S.", 38th Annual Meeting of the Society of Toxicology, New Orleans, Louisiana, March 17, 1999.
- Co-Chairman and Organizer of Continuing Education Course "Epidemiology for Toxicologists: II. Methodology", 36th Annual Meeting of the Society of Toxicology, Cincinnati, Ohio, March 9, 1997.
- Co-Chairman and Organizer of Continuing Education Course "Epidemiology for Toxicologists", 35th Annual Meeting of the Society of Toxicology, Anaheim, California, March 10, 1996.
- Faculty member, Short Course "Safety Evaluation of Medical Devices: Testing, Materials and Biocompatibility", Center for Professional Advancement, East Brunswick, New Jersey, July 21-23, 1993; Amsterdam, The Netherlands, September 12-16, 1993.
- Member ASTM F4 Committee on Medical and Surgical Materials and Devices, Subcommittee on Biocompatibility, 1992-present
- Chairman of Symposium, "Opening the Doors to the Agencies", Eleventh Annual Meeting, American College of Toxicology, Orlando, Florida, October 31, 1990.
- Invited Paper "Problems in and Approaches to Getting Acute Toxicity Data Into the Literature", Meeting, American College of Toxicology, Williamsburg, Virginia, October 30, 1989.
- Invited Paper "The Role of the Toxicologist", Environmental and Toxic Tort Litigation Section, American Trial Lawyers Association Convention, Seattle, Washington, July 24, 1984.
- Contributed to and co-authored "Abandoned Waste Site Cleanup Cost Allocation Model", Copyright 1983 by G&E Engineering, November, 1983.
My part in the structuring of this model involved setting up criteria by which one could assess the relative hazard and toxicity of the chemicals present at the dumpsite. As a result of my efforts, I was called as an expert witness for one of the defendants in hazardous waste site case (USA versus Petroleum Processors of Louisiana, et. al.).
- Invited Presentation "Career Planning in Toxicology", 27th Annual Meeting of the Society of Toxicology, Dallas, Texas, February, 15-19, 1988.
- Invited Paper "Toxicology and the Material Safety Data Sheet", Symposium, Hazard Communication II, American Society of Testing and Materials (ASTM), Williamsburg, Virginia, March 16-18, 1988.
- Invited Paper "Career Options in Toxicology", University of Mississippi, Medical Center, Jackson, Mississippi, April 25, 1988.
- Member of the following groups within ASTM Committee E34 on Occupational Safety and Health.
 - E34.2 Sub-Committee on Toxicology and Medicine, 1976, chairman, 1977-1979.
 - Elected Member at Large, 1989.
 - Task Group E34.02 on Carbon Disulfide, 1979-1981 (ASTM E752-81 Issued).
 - Task Group E34.05 on Insoluble Chromates, 1978-present (ASTM E848-82 Issued).
 - Task Group E34.06 on Methoxy Ethanol, 1978-1982.
 - Task Group E34.08 on Asbestos, 1978-1985 (ASTM E849-82 Issued).

COMMITTEES, CHAIRMANSHIPS AND INVITED LECTURES: (cont'd.)

Task Group E34.10 on Ozone, 1978-1980 (ASTM E591-80 Issued).

Task Group E34.13 on Styrene, 1978-1985.

Task Group E34.15 on Core Physical Exam, 1980-1985.

Task Group E34.16 on Amorphous Silica, 1980-1985.

Task Group E34.17 on Material Safety Data Sheets, 1981-1983.

E34.4 Subcommittee on Hazard Communications, 1983-1985.

My membership in all of these task groups and the sub-committee involved the assessment of toxicological effects of the chemicals for the purpose of assigning levels of exposure that would be considered safe within the occupational environment. I contributed to the content and interpretation of the toxicology literature and participated extensively in discussions leading to the setting of occupational exposure limits for each chemical.

- Invited Paper, "The Toxicology of Ozone", presented at the Conference on Air Quality, Meteorology, and Atmospheric Ozone, University of Colorado, Boulder, Colorado, August 5, 1977.

CONTINUING EDUCATION:

- 2011 . . "Protecting Human Health: Use of Toxicological and Epidemiological Data in Determining Safe Levels for Human Exposure", 50th Annual Meeting of the Society of Toxicology, Washington, DC, March 6, 2011.
- 2011 . . "Evaluating Toxicity of Engineered Nanomaterials: Issues with Conventional Toxicology Approaches", 50th Annual Meeting of the Society of Toxicology, Washington, DC, March 6, 2011.
- 2010 . . "Leachables and Extractables: Best Practices to Identify and Qualify Leachables in Drug Products", Annual Meeting, American College of Toxicology, Continuing Education Course, Baltimore, Maryland, November 7, 2010.
- 2010 . . "ICH Initiatives for Conducting Pharmaceutical Preclinical Safety Studies: New and Revised Guidelines and Challenges", 49th Annual Meeting of the Society of Toxicology, Salt Lake City, Utah, March 7, 2010.
- 2009 . . "Study Monitoring at CRO," 30th Annual Meeting, American College of Toxicology, Palm Springs, California, November 1, 2009.
- 2009 . . "Topics in Ethics: Conflicts of Interest - Real or Imagined? - PBDEs As a Case Study", 48th Annual Meeting of the Society of Toxicology, Baltimore, Maryland, March 15, 2009.
- 2009 . . "Immunotoxicology for Toxicologists", 48th Annual Meeting of the Society of Toxicology, Baltimore, Maryland, March 15, 2009.
- 2009 . . "New Frontier in Metal Toxicology: Genetic Susceptibility, Early Diagnosis, and Related Biological Indices", 48th Annual Meeting of the Society of Toxicology, Baltimore, Maryland, March 15, 2009.
- 2007 . . "REACH: A New Framework for the Regulation of Chemicals", 46th Annual Meeting of the Society of Toxicology, Charlotte, North Carolina, March 25, 2007.
- 2007 . . "Genomics: From Novice to Expert, From Challenges To Promises", 46th Annual Meeting of the Society of Toxicology, Charlotte, North Carolina, March 25, 2007.
- 2006 . . "Intoxilyzer Breath Alcohol Testing for Lawyers", Industrial Training & Design, Limited, Portland, Maine, October 29-31, 2006.
- 2006 . . "Reproductive Toxicity Testing: Study Design, Evaluation, Interpretation and Risk Assessment", Society of Toxicology, San Diego, California, March 6, 2006.
- 2005 . . "Clinical Pathology - The Granddaddy of Biomarkers", Society of Toxicology, New Orleans, Louisiana, March 6, 2005.
- 2003 . . "Practical Application of Genomic and Proteomic Technologies to Drug Safety Evaluation", American College of Toxicology, Washington, D.C., November 3, 2003.
- 2003 . . "The Human Genome and Toxicology", American College of Toxicology, Washington, D.C., November 3, 2003.
- 2003 . . "Molecular Epidemiology and Biomarkers", American College of Toxicology, Washington, D.C., November 3, 2003.
- 2003 . . "Database and Information Research" given by J Kittleson-Hart at the Roundtable of Toxicology Consultants Seminar Series on October 17, 2003 in Williamsburg, Virginia.
- 2003 . . "Safety Pharmacology Studies for Human Pharmaceuticals" given by Dr. C. B. Spainhour at the Roundtable of Toxicology Consultants Seminar Series, Williamsburg, Virginia, October 17, 2003.
- 2003 . . "Fundamentals of Risk Assessment and Applications of Recent Methodologies to Difficult Problems", Society of Toxicology, 42nd Annual Meeting, Salt Lake City, Utah, March 9, 2003.
- 2002 . . "A Practical Approach to Blood and Lymphoid Tissues (BLT) in Toxicological Assessments", Society of Toxicology, 41st Annual Meeting, Nashville, Tennessee, March 17, 2002.
- 2001 . . "Web Resources for Toxicologists," 40th Annual Meeting, Society of Toxicology, San Francisco, CA, March 25, 2001.
- 1999 . . "Target Organ Toxicology: Respiratory Tract Dosimetry and Response to Inhaled Toxicants" and "Application of Transgenic Models in Toxicology," 38th Annual Meeting of the Society of Toxicology, New Orleans, Louisiana, March 14, 1999.
- 1998 . . "Making the Transition: Converting to PubMed and Internet GratefulMed to Search N.L.M. Databases," Brown University, Providence, Rhode Island, March 7, 1998.
- 1997 . . "Epidemiology for Toxicologists: II. Methodology", 36th Annual Meeting of the Society of Toxicology, Cincinnati, Ohio, March 9, 1997.
- 1997 . . "The Mechanics of Preparing INDs & NDAs & FDA Regulations", Institute for Applied Pharmaceutical Sciences, Boca Raton, Florida, October 20-22, 1997.
- 1996 . . "Epidemiology for Toxicologists", 35th Annual Meeting of the Society of Toxicology, Anaheim, California, March 10, 1996.
- 1995 . . "Cytokines and Growth Factors in Toxicity" and "Advances in Risk Extrapolation: Dose response assessment", 34th Annual Meeting of the Society of Toxicology, Baltimore, Maryland, March 5, 1995.
- 1994 . . "Sensory System Toxicology," 33rd Annual Meeting of the Society of Toxicology, Dallas, Texas, March 13, 1994.
- 1992 . . "Basic and Applied Hematology" and "Case Studies in Risk Assessment: Emphasis on Exposure," 31st Annual Meeting of the Society of Toxicology, Seattle, Washington, February 23, 1992.
- 1992 . . "Medical Device Regulation, . . . Europe and North America", Boston, Massachusetts, September 10, 11, 1992.
- 1991 . . "Risk Communications: Problems, Perceptions and Practice" and "Novel Techniques in Inhalation Toxicology", Continuing Education Courses, 30th Annual Meeting of the Society of Toxicology, Dallas, Texas, February 25-March 1, 1991.

CONTINUING EDUCATION: (cont'd.)

- 1990 . . "Concepts in Cell Biology" and "Carcinogen Risk Assessment", Continuing Education Courses, 29th Annual Meeting, Society of Toxicology, Miami, Florida, February 12-16, 1990.
- 1989 . . "Concepts in Molecular Biology", Continuing Education Course, 28th Annual Meeting, Society of Toxicology, Atlanta, Georgia, February 27-March 3, 1989.
- 1988 . . "Respiratory Tract Toxicology by Classes of Agents" and "Immunotoxicology", Continuing Education Courses, 27th Annual Meeting, Society of Toxicology, Dallas, Texas, February 15-19, 1988.
- 1987 . . "Clinical Chemistry of Laboratory Animals", Continuing Education Course, 26th Annual Meeting, Society of Toxicology, Washington, DC, February 2, 1987.
- 1986 . . "Developmental Toxicology" and "Hematological Laboratory Animals", Continuing Education Courses, 25th Annual Society of Toxicology Meeting, New Orleans, Louisiana, March 3-7, 1986.
- 1985 . . "Inhalation Toxicology" and "Renal Toxicology", Continuing Education Courses, 24th Annual Society of Toxicology Meeting, San Diego, California, March 18-22, 1985.
- 1984 . . "Neurotoxicology Training Course" and "Current Concepts and Mechanisms of Carcinogenicity", Continuing Education Courses, 23rd Annual Society of Toxicology Meeting, Atlanta, Georgia, March 12-16, 1984.
- 1983 . . "Consensus Workshop on Formaldehyde", Little Rock, Arkansas, October 3-6, 1983.
- 1983 . . "Dermatotoxicology" and "Male Reproductive Tract Toxicology", Continuing Education Courses, 22nd Annual Meeting, Society of Toxicology, Las Vegas, Nevada, March 7-11, 1983.
- 1982 . . "Basic Concepts of Immunotoxicology", Continuing Education Course, 21st Annual Meeting, Society of Toxicology, February 22-26, 1982.
- 1981 . . "Inhalation Toxicology", A Refresher Course, 20th Annual Meeting, Society of Toxicology, San Diego, California, March 1-5, 1981.
- 1980 . . "Principles of Toxicology, Basic Kinetics", A Refresher Course, 19th Annual Meeting, Society of Toxicology, Washington, DC, March 9-13, 1980.

APPOINTMENTS AND CONSULTING ACTIVITIES:

- Consultant, Tennessee Valley Authority, TVA Coal Ash Grant Review FY 2010, January 2010.
- Consultant, National Institutes of Health, NIAID, Safety Evaluation of Anti-Infective Agents, Bethesda, Maryland, February 12, 2007.
- Consultant, National Cancer Institute, Preclinical Pharmacology & Toxicology of New Cancer Preventing Agents, Bethesda, MD, 2003.
- Elected President, Epidemiology Specialty Section, Society of Toxicology, 1999-2000.
- Appointed, Chairperson, Poster Session on Eye Toxicity, Society of Toxicology, 1997 Meeting, Cincinnati, Ohio, March 10, 1997.
- Elected President, Regulatory and Safety Evaluation Specialty Section of Society of Toxicology, 1996-1997.
- Appointed, Co-Chairman, Symposium on Clinical and Pre-clinical Evaluation of Drug Abuse Liability, American College of Toxicology Annual Meeting, Williamsburg, Virginia, October 25, 1994.
- Appointed, Co-Chairman, Poster Session on Regulatory Toxicology, Society of Toxicology, Annual Meeting, Dallas, Texas, March 15, 1994.
- Appointed, Co-Chairman, Platform Session on Risk Assessment, Society of Toxicology, Annual Meeting, Seattle, Washington, February 25, 1992.
- Appointed, Co-Chairman, Platform Session of Reproductive Toxicology, Society of Toxicology, Annual Meeting, Miami Beach, Florida, February 15, 1990.
- Appointed, Consultant to the Chemical Specialties Manufacturing Association, Washington, D.C., 1986-1987
- Appointed, Chairman Platform Session of Inhalation Toxicology, Society of Toxicology, Annual Meeting, New Orleans, Louisiana, March 9, 1986.
- Appointed, Chairman Platform Session on Inhalation Toxicology, Society of Toxicology, Annual Meeting, San Diego, California, March, 20, 1985.
- Appointed, Moderator, Information Resources, Symposium on Hazard Communication, Hyatt Regency, Houston, Texas, March 11-12, 1985.
- Appointed, Discussion Leader, Gordon Research Conferences on Toxicology and Safety Evaluations, July 30 - August 3, 1984.
- Appointed, Co-chairman Platform Session on Methods in Toxicology, Society of Toxicology, Annual Meeting, Atlanta, Georgia, March 14, 1984.
- Appointed, Chairman of the Society of Toxicology Placement Service, 1984-1986 (Co-chairman 1982-1984).
This appointment by the President of SOT involves maintaining a placement service for those seeking positions and those seeking candidates for positions. This activity is continuous during the year but peaks at the annual SOT meetings.
- Appointed as Special Advisor to American Association for Accreditation of Laboratory Animal Care (AAALAC), March 8, 1983.
This appointment involves participation in laboratory site reviews to determine if a laboratory should be certified by AAALAC or continue its AAALAC certification.
- Appointed to the Communications Task Group of the Society of Toxicology, 1983.
An appointment by the President of SOT, this committee involves the study of better ways to communicate toxicology to the general public both through the media and through educational programs.
- Appointed as Consultant to the American Welding Society and Member of Safety and Health Committee, 1982-1986.
This appointment has involved writing protocol for a complex series of studies focusing on the inhalation of various welding fumes. Protocols were then priced and a laboratory selected based on my recommendation. Experiments are now complete. During the experimental phase, I audited the studies and had sign-off authority for all protocol amendments and deviations.
- Appointed, Co-chairman, Poster Session on the Environment, Society of Toxicology Annual Meeting, Washington, D.C., February 23, 1982.
- Appointment to Expert Committee on Adverse Effects of Inflight Exposure to Atmospheric Ozone, House of Representatives sub-committee on oversight and Investigations of the Committee on Interstate and Foreign Commerce-Testimony given on July 18, 1979, on "The Toxicology of Ozone as it relates to in-Flight Exposure" and entered into the congressional record.

APPOINTMENTS AND CONSULTING ACTIVITIES: (cont'd.)

This forty-five minutes of testimony was requested in an effort to determine if indeed there is a hazard relating to ozone exposure on overseas flights. My testimony was sought after recognition of my extensive efforts in writing the toxicology section of ASTM's published document entitled "Standard Practice for Safety and Health Requirements Related to Occupational Exposure to Ozone", E591-80, my invited contribution and subsequent publication of an extensive critical review of ozone toxicology and its implications relating to employee health. These efforts were all aimed at assessment of risk relative to ozone exposure. Lung pathology, reproductive implications, biochemical responses and chromosomal alterations were discussed relative to risk of both short term and long term health effects.

- Appointed as Consultant to Toxicology to the International Union of Airline Flight Attendants, February, 1977 to February, 1979
This effort involved assessment of risk of exposure to ozone on overseas flights and, in particular, the effect of exercise on both exposure and symptomatology observed in overseas flights. Acute respiratory distress as well as assessment of effects on reproductive parameters, and chromosomal abnormalities were considered relative to exposure and dose. As a result of these efforts, Congress has passed legislation to limit in-flight exposure to ozone, and the airlines have installed catalytic converters to limit ozone concentrations in cabin supplied air.
- Appointed to Board of Directors of Delta Laboratories, Rochester, New York. A not-for-profit environmental laboratory, February, 1969 to February, 1979
This laboratory operating at a yearly budget as high as \$100,000, investigated various consumer and environmentally related toxicological and contamination problems. Acting both on the Board of Directors and as a consulting toxicologist, I investigated and commented on a variety of toxicological problems.

PUBLICATIONS:

- Parent, R.A., Radon. In: *Encyclopedia of Toxicology, Chemical and Concepts*. Second Edition. Volume 3. Wexler, P. (ed). Elsevier Press, Oxford, U. K., ISBN 0-12-745354-7, pp. 617-620, 2005.
- Parent, R.A., Trichloroethylene. In: *Encyclopedia of Toxicology, Chemical and Concepts*. Second Edition. Volume 4. Wexler, P. (ed). Elsevier Press, Oxford, U. K., ISBN 0-12-745354-7, pp. 382-386, 2005.
- Parent, R.A., Methylene Chloride. In: *Encyclopedia of Toxicology, Chemical and Concepts*. Second Edition. Volume 3. Wexler, P. (ed). Elsevier Press, Oxford, U. K., ISBN 0-12-745354-7, pp. 92-95, 2005.
- Parent, R.A. and Nordone, A.J., Furfural. In: *Encyclopedia of Toxicology, Chemical and Concepts*. Second Edition. Volume 2. Wexler, P. (ed). Elsevier Press, Oxford, U. K., ISBN 0-12-745354-7, pp. 394-397, 2005.
- Parent, R.A., Tetrachloroethylene. In: *Encyclopedia of Toxicology, Chemical and Concepts*. Second Edition. Volume 4. Wexler, P. (ed). Elsevier Press, Oxford, U. K., ISBN 0-12-745354-7, pp. 150-153, 2005.
- Parent, R.A., Picloram. In: *Encyclopedia of Toxicology, Chemical and Concepts*. Second Edition. Volume 3. Wexler, P. (ed). Elsevier Press, Oxford, U. K., ISBN 0-12-745354-7, pp. 436-438, 2005.
- Parent, R.A., 3-Methyl cholanthrene. In: *Encyclopedia of Toxicology, Chemical and Concepts*. Second Edition. Volume 3. Wexler, P. (ed). Elsevier Press, Oxford, U. K., ISBN 0-12-745354-7, pp. 89-91, 2005.
- Parent, R.A., A Toxicologist's Look at PPA and Stroke. Harris Martin Columns, Premier Issue Featured Article, Published 2002.
- Sharp, D.E., Berge, M. A., Paust, D.E., Talaat, R.E., Wilkes, L.C., Servatius, L.J., Loftus, M.L., Doane, R.A. and Parent, R.A., Metabolism and Distribution of 2,3-[¹⁴C]-Acrolein in Lactating Goats, *Journal of Agricultural and Food Chemistry*, 49(3), 1630-1638 (2001).
- Sharp, D.E., Berge, M.A., Hennes, M.G., Wilkes, L.C., Servatius, L.J., Loftus, M.L., Doane, R.A. and Parent, R.A., Metabolism and Distribution of 2,3-[¹⁴C]-Acrolein in Laying Hens, *Journal of Agricultural and Food Chemistry*, 49(3), 1639-1647 (2001).
- Parent, R.A., Paust, D.E., Schrimpf, M.K., Talaat, R.E., Doane, R.A., Caravello, H.E., Lee, S.J. and Sharp, D.E., Metabolism and Distribution of 2,3-[¹⁴C]-Acrolein in Sprague-Dawley Rats II. Identification of Urinary and Fecal Metabolites, *Toxicological Sciences*, 43, 110-120 (1998).
- Parent, R.A., Kline, T.R. and Sharp, D.E., Tetrachloroethylene. In: *Encyclopedia of Toxicology, Chemicals and Concepts*, Wexler, P. (ed.), Academic Press, New York, New York, Volume 3, pp 220-221 (1998).
- Parent, R.A., Kline, T.R. and Sharp, D.E., Methylene Chloride. In: *Encyclopedia of Toxicology, Chemicals and Concepts*, Wexler, P. (ed.), Academic Press, New York, New York, Volume 2, pp 308-310 (1998).
- Parent, R.A., Kline, T.R. and Sharp, D.E., Picloram. In: *Encyclopedia of Toxicology, Chemicals and Concepts*, Wexler, P. (ed.), Academic Press, New York, New York, Volume 2, pp 530-531 (1998).
- Parent, R.A., Kline, T.R. and Sharp, D.E., 3-Methylcholanthrene. In: *Encyclopedia of Toxicology, Chemicals and Concepts*, Wexler, P. (ed.), Academic Press, New York, New York, Volume 2, pp 305-306 (1998).
- Nordone, A.J., Sharp, D.E. and Parent, R.A., Furfural. In: *Encyclopedia of Toxicology, Chemicals and Concepts*, Wexler, P. (ed.), Academic Press, New York, New York, Volume 2, pp 40-41 (1998).
- Parent, R.A., Kline, T.R. and Sharp, D.E., Radon. In: *Encyclopedia of Toxicology, Chemicals and Concepts*, Wexler, P. (ed.), Academic Press, New York, New York, Volume 3, pp 19-20 (1998).
- Parent, R.A., Kline, T.R. and Sharp, D.E., Hexachlorocyclopentadiene. In: *Encyclopedia of Toxicology, Chemicals and Concepts*, Wexler, P. (ed.), Academic Press, New York, New York, Volume 2, pp 82-83 (1998).
- Parent, R.A., Kline, T.R. and Sharp, D.E., Trichloroethylene. In: *Encyclopedia of Toxicology, Chemicals and Concepts*, Wexler, P. (ed.), Academic Press, New York, New York, Volume 3, pp 372-374 (1998).
- Nordone, A.J., Matherly, R., Bonnavier, B., Doane, R., Caravello, H., Paakonen, S. and Parent, R.A., The Mobility and Degradation of Acrolein in Agricultural Canals Treated with Magnacide® H herbicide, *Chemosphere*, 32(5), 807-814 (1996).
- Nordone, A.J., Matherly, R., Bonnavier, B., Doane, R., Caravello, H., Pakonen, S., Winchester, W. and Parent, R.A., Effect of Magnacide® H Herbicide Residuals on Water Quality within Wildlife Refuges of the Klamath Basin, California, *Bulletin of Environmental Contamination and Toxicology*, 56(6), 964-970 (1996).
- Parent, R.A., Caravello, H.E. and Sharp, D.E., Metabolism and Distribution of ¹⁴C(2,3)Acrolein in Sprague-Dawley Rats, *Journal of Applied Toxicology*, 16(5), 449-457 (1996).
- Parent, R.A., Caravello, H.E., and San R.H.C., Mutagenic Activity of Acrolein in *S. typhimurium* and *E. coli*, *Journal of Applied Toxicology*, 16(2), 103-108 (1996).

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