

Dr. JAMES C. NORRIS

6106 Worth Avenue, Benton, AR 72019 USA

1 866 526 6774(US Tollfree)
0800 587 1084(UK Freephone)
norrstoxicl@earthlink.net

ACADEMIC HISTORY:

Ph.D., Pharmacology/Toxicology, University of Mississippi Medical Center, 1983

M.S., Chemistry, University of Mississippi, 1979

B.S., Chemistry, University of Montevallo, 1972

CERTIFICATIONS:

Diplomate of the American Board of Toxicology (D.A.B.T.), 1996; recertified 2001 and 2006
Eurotox Registered Toxicologist (E.U.R.T.), 1998; recertified 2003 and 2008

PROFESSIONAL EXPERIENCES:

June 1986-Present: Recognized expert witness in pharmacology and toxicology for deposition and trial testimonies (Civil, Criminal, and Military courts; Plaintiff and Defense) in the United States, the United Kingdom and Hong Kong. Consultant for biotechnology companies, CRO in China, private equity companies, industrial projects, industrial representative, on-site industrial crisis management member, and testimonial witness to governmental agencies (United States EPA National Advisory Committee and United States Consumer Product Safety Commission).

August 2009-Present: Adjunct Professor, College of Pharmacy, Department of Pharmaceutical Sciences, Harding University, Searcy, AR. Provide lectures to Pharmacy students in the PharmD program.

June 2009-Present: University of Arkansas for Medical Sciences, BioVentures & Technology Licensing Office, Start-up Advisory Resources committee. Consultant to biotechnology companies.

March 2003–October 2008: General Manager. Toxicology Laboratory. Redfield, AR, USA. Provide scientific and business direction for this laboratory which conducts general toxicology studies for the pharmaceutical and chemical industries for submission to governmental agencies. Range of study types includes acute through chronic/carcinogenesis via oral, dermal, nasal and injection routes of administration. Responsible for the scientific, personnel, regulatory guideline compliance, and budgetary aspects for the laboratory.

March 2001-March 2003: Assistant Vice President / Division Manager, Toxicology and Carcinogenesis. IIT Research Institute. Life Sciences. Chicago, IL, USA. Studies conducted within this Division are general toxicology (acute through chronic/carcinogenesis via oral, dermal, and injection routes of administration), neurotoxicology, reproductive, developmental, and teratology. Participation in inhalation toxicology studies conducted in the Inhalation Division. Responsible for the scientific, personnel, regulatory guideline compliance, and budgetary aspects for the Toxicology and Carcinogenesis Division.

March 1998-March 2001: Head. Inhalation Toxicology. Covance Laboratories Ltd. Harrogate, North Yorkshire, England. Directed the activities of the inhalation

PROFESSIONAL EXPERIENCES (continued):

chemists, assisted study directors and Sponsors in the design, conduct and interpretation of toxicology studies, reviewed inhalation study reports to verify scientific content, and advised Sponsors regarding regulatory requirements for drug development.

August 1995-November 1997: Toxicologist, Oak Ridge National Laboratory: Analyzed and integrated toxicological data for use in assessing effects on human health and the environment, and summarized the pertinent data or the derivation of numerical criteria in the quantitative risk assessment applications
February 1990-July 1995: Toxicologist, Bushy Run Research Center (BRRC)/Union Carbide Corporation: Study Director (GLP, OECD, EPA TSCA and FIFRA, and FDA Guidelines), Inhalation Department (vapor, liquid aerosol, dust, and thermal emissions: whole body and nose-only exposures). Consultant to Union Carbide Corporation Polyolefins Division for the development of combustion toxicity legislation and regulation. Responsibilities also included marketing activities, such as telephone introductions and follow-ups, and presentations. Supervised staff on projects, studies, and job performance.

February 1990-July 1995 - Toxicologist, Bushy Run Research Center (BRRC)/Union Carbide Corporation: Study Director (GLP, OECD, EPA TSCA and FIFRA, and FDA Guidelines), Inhalation Department (vapor, liquid aerosol, dust, and thermal emissions: whole body and nose-only exposures). Consultant to Union Carbide Corporation Polyolefins Division. Responsibilities also included marketing activities, such as telephone introductions and follow-ups, and presentations. Supervised staff on projects, studies, and job performance.

June 1986-February 1990: Toxicologist, Weyerhaeuser Company, Fire Technology Unit: Supervised combustion toxicity laboratory; designed and conducted combustion toxicity tests; developed test methods and equipment; monitored and influenced combustion toxicity legislation and regulations for the National Forest Products Association.

March 1985-June 1986: Senior Research Associate, Department of Pharmacology/Toxicology, University of Mississippi Medical Center: Designed and implemented experimental protocols, analyzed and published data. Supervised lab technicians.

July 1984-March 1985: Instructor, Department of Anesthesiology, University of Mississippi Medical Center: Designed and implemented experimental protocols, analyzed and published data. Supervised lab technicians. Lectured to nurse anesthetists.

November 1982-July 1984: Research Assistant and Research Associate, Department of Anesthesiology, University of Mississippi Medical Center: Designed and implemented experimental protocols, analyzed and published data. Supervised lab technician.

PATENTS:

Norris, J. C. and Hume, A. S.: Method and Composition for Antagonism of Sodium Nitroprusside's Toxic Effects. (Patent Number 5013539).

PATENTS (continued):

Hume, A. S., Norris, J. C., Ho, I. K., and Moore, S. J.: Use of α -Ketoglutaric Acid to Antagonize Cyanide Poisoning. (Patent Pending).

PROFESSIONAL SOCIETIES AND AFFILIATIONS:

American Association of Pharmaceutical Scientists (2004 - present)
British Toxicology Society – Full Member (1998-Present)
Society of Toxicology - Full Member (1986-Present)
Specialty Sections: Inhalation, Risk Assessment
Association of Inhalation Toxicologists (1998-Present)
Editorial Boards
 Inhalation Toxicology (1998-2001)
 Journal of Fire Sciences
 Journal of Ecotoxicology & Environmental Monitoring (2003 to Present)
UK Register of Expert Witnesses (1999-Present)
Expert Witness-Expert Consultant (2000-Present)
American Society of Testing and Materials (1986-Present)
 Member of Honors and Awards (2003 to Present)
 Chairperson for Subcommittee E-5.21 (1992-1998)
 Member of Planning and Review, E-5.91 (1992-1999)
 Secretary for Subcommittee E-5.21 (1986-1992)
 Task Group Chairperson for E-5.21.7 (1986-1990)
National Fire Protection Association
 Fire Test Committee
 Environmental Advisory Committee
 Life Safety Technical Committee on Fundamentals
International Organization for Standardization (ISO)
 Convenor for ISO Technical Committee 92 (Fire Safety) / Subcommittee 3 (Toxic Hazard in Fires) / Working Group 1 (Fire Models)
 U. S. Expert for ISO Technical Committee 92 (Fire Safety) / Subcommittee 4 (Fire Safety Engineering) / Working Group 5 (Life Safety)
 Liaison for ISO Technical Committee 92 / Subcommittees 3 and 4
New York City Department of Buildings' Toxicology Committee
British Standards Institute
 Co-Opted member of FSH/16 (1999 - Present)
Society of the Plastics Industry
 Coordinating Committee on Fire Safety
 Occupational Health and Environmental Issues Committee

HONORS:

Special Covance Stock Award 2000

Special Covance Stock Award 1999

HONORS (continued):

ASTM Award of Recognition, 1995 – "Leadership of Subcommittee E05.21"

Stock Award for Thermal Emissions Project - Union Carbide Company, 1992

Special Recognition Award for Team Participation- Union Carbide Chemical Company, 1992

Global Competitiveness - Forest Products Company's Research and Engineering Exhibit, 1988

Remodeling Project - Weyerhaeuser Fire Technology Laboratory, 1988

Society of Toxicology Student Travel Award, 1982

National Student Research Forum; Galveston, Texas, 1982

WORKSHOPS AND SYMPOSIUMS:

Understanding and Solving Complex Business Problems. Massachusetts Institute Of Technology Sloan School of Management. Cambridge, MA. December 11 & 12, 2006.

AAPS National Biotechnology Pharmaceutical Conference. San Francisco, CA June 6-9, 2005.

New Trends & Technologies Accelerating Pre-Clinical Development. Strategic Research Institute. La Jolla, CA. January 24-25, 2005.

Fundamentals of Finance for the Technical Executive. Massachusetts Institute Of Technology Sloan School of Management. Cambridge, MA. December 9 & 10, 2004.

Balancing Animal Welfare and Regulatory Compliance Issues in Preclinical Studies. Sponsored by NIH Office of Laboratory Animal Welfare, USDA Animal and Plant Health Inspection Service, Animal Care, US Food & Drug Administration. June 29-30, 2004. Detroit, MI.

Markers and Models Predictive for Human Toxicity. MidWest Regional Chapter Society of Toxicology. May 17, 2002. Chicago, IL.

Remodeling and Repair in Respiratory Diseases. Lovelace Respiratory Research Institute – International Symposium. October 14-17, 2001. Santa Fe, NM.

European/FDA Regulatory Issues in Oral Inhalation and Nasal Delivery. Management Forum. October 25 & 26, 1999. London, England.

Pulmonary Toxicology. Eurotox. Continuing Education. June 27, 1999. Oslo, Norway.

Management of Asthma. Management Forum. February 17, 1999. London, England

Chemical Hypersensitivity. International Congress of Toxicology. July 5, 1998. Paris, France.

Using Equivalence Testing for Inhaled Drugs. Stewart Seminar. June 22 & 23, 1998. London, England.

Employment Law in the UK. Covance Ltd. April 27 & 28, 1998. Harrogate, England

Nasal Drug Delivery. Forum Management. April 6 & 7, 1998. London, England.

Effective Cold Calls, Steve Herzog, Sandler Sales Institute, November 20, 1997

How to Think and Speak on Your Feet, Padgett Thompson, November 19, 1993

The Empowering Leader Workshop, Development Dimensions International, Inc., June 18, 1992

Communicating to the Public Workshop, Allegheny-Erie Society of Toxicology, October 18, 1991. Pittsburgh, PA

Management Action Program. For Managing: Performance Problems and Suspected Substance Abuse Policy Violations, David J. Hay and Associates, March 26, 1991

WORKSHOPS AND SYMPOSIUMS (continued):

Union Awareness, Union Carbide Corporation, October 12, 1990

Personal Presentation Skills Workshop for the Professional, Dr. Sharon Crane, November 4, 1988

Mid-American Toxicology Course, Dr. Curtis Klaassen, April 18-22, 1988

Inhalation Toxicology Workshop, Lovelace Inhalation Toxicology Research Institute, October 20-23, 1986

PRESENTATIONS/ABSTRACTS:

Norris, J.C. Preclinical Development. Seminar to Science Undergraduates. Harding University, Searcy, AR. January 31, 2005.

Norris, J.C., Shepherd, N.M., and Whitby, B. R. Systemic Absorption of Estradiol Following Nasal Administration in Mice. U.S. Society for Whole-Body Autoradiography. New Orleans, LA. 25-27 February 2001.

Norris, J.C., Shepherd, N.M., and Whitby, B. Dose Response of a Nasal Dosing System for Mice. Toxicologist 54: 1923, 2000.

Norris, J. C. Safety Evaluation. Conference Title: Portable Inhalers in the 21st Century. Management Forum. December 6, 1999. London, England.

Norris, J. C. N-Butyl Acetate: Ultra-Fine and Fine Particles and Acute Toxicity. Association of Inhalation Toxicologist. September 2, 1999. Huntingdon, England.

Norris, J.C. An American in England. (After Dinner Talk). Association of Inhalation Toxicologist. September 2, 1999. Huntingdon, England.

Norris, J.C. Intra-Nasal Technology for Safety Assessment. 3rd Covance Institute Seminar. Frontiers in Applied Pre-Clinical Science. Oslo, Norway. June 30, 1999.

Norris, J.C., Whitby, B.R., and Saywell, J.A.L. Dose Response of Nasal Dosing System for Rats. Poster Number #25. Eurotox 1999. Oslo, Norway. June 27-30, 1999.

Saywell, J.A.L., Whitby, B.R., and Norris, J.C. A New Nasal Dosing System for Rats. Society for Whole-Body Autoradiography, St. Louis, MO. April 18-20, 1999.

Norris, J.C. Toxicity of Fire Retardant Chemicals. Presented to the High Fire Wood Performance Products (EU-sponsored committee). Lillehammer, Norway. February 25, 1999.

Saywell, J.A.L. and Norris, J.C. A New Respiratory Monitoring System for Conscious Primates During Inhalation Exposures Possibly Demonstrating a Correlation Between Respiratory Rates and Histopathological Changes in the Lung. *Toxicologist* 48: 537, 1999.

PRESENTATIONS/ABSTRACTS (continued):

Saywell, J.A.L. and Norris, J.C. A New Respiratory Monitoring System for Conscious Primates During Inhalation Exposures Possibly Demonstrating a Correlation Between Respiratory Rates and Histopathological Changes in the Lung. Covance Innovations. Cherry Hill, NJ. March 2, 1999.

Norris, J.C. Inhalation Toxicology. Fifteen pharmaceutical and chemical companies in Japan. November 30 – December 4, 1998.

Norris, J.C. Strategy for Preclinical Development of Inhalation Products. Covance Seminar. Paris, France. 9 July 1998.

Saywell, J.A.L., Whitby, B.R., Hudson, C.L. and Norris, J.C. A New Nasal Dosing System for Rats. International Congress of Toxicology VIII. Paris, France. 5-9 June 1998.

Norris, J.C. Assessment of the United States Consumer Product Safety Commission Briefing Package on Fire Retardant Treatment of Upholstered Furniture Fabric.

Washington, D.C. May 5, 1998. [Presentation to the CPSC reported in the Bureau of National Affairs 26 (19): 440-441, 1998.]

Norris, J.C. Toxicology and Pharmacology as a Career. Career Day at Robertson Middle School. Oak Ridge, TN. February 20, 1998.

Norris, J. C. RfD and RfC Values for Ethylene Glycol. Material/Chemical Risk Assessment Working Group. Advisory and Coordinating Committee. Environmental Risk Assessment Program. September 23, 1996.

Norris, J. C., Opresko, D. M., Watson, A. P., and King, J.: Preliminary data analysis and derivation of an estimated reference dose (RfD_e) for VX. *Toxicologist* 30(1), 750, 1996.

Norris, J. C.: Review of Combustion Toxicity in the International Standardization Organization. International Wire and Cable Symposium. November 15, 1995.

Norris, J. C.: Dupont Plaza Fire - Toxicological Considerations. International Conference on Fire Research & Engineering. Society of Fire Protection Engineers and the National Institute of Standards and Technology. September 14, 1995.

Norris, J. C.: Combustion Toxicology and Fire Safety Engineering in the International Standardization Organization. Fire Retardant Chemicals Association's Fire Safety Developments from around the World. Orlando, Florida. March 21, 1995.

Norris, J. C., Ballantyne, B., Swenberg, J. A., Losco, P. E., and Neptun, D. A.: Vinylnorbornene (VNB): Ninety-Day Vapor Inhalation Study in Rats. Toxicologist 15(1), 977, 1995.

PRESENTATIONS/ABSTRACTS (continued):

Norris, J. C.: Investigation of the Dual LC₅₀ Values of Woods Using the University of Pittsburgh Combustion Toxicity Apparatus. University of Mississippi Medical Center, Department of Pharmacology/Toxicology, Jackson, Mississippi. August 18, 1994.

Norris, J. C.: Combustion Toxicity Tutorial. Union Carbide Corporation, Polyolefins Specialties, Weston Canal, New Jersey. June 14, 1994.

Norris, J. C., Gephart, L. A., Mastrocco, F. J., Janke, B., and Werley, M. S.: Sensory Irritation Study of Thermal Emissions of HCPC Resin in ND4 Swiss Webster Mice. Toxicologist 14(1), 254, 1994.

Frick-Miranda, S., Mastrocco, F. J., Janke, B., Norris, J. C., and Werley, M. S.: Effects of Temperature on Thermal Emissions Characterization and Sensory Irritation in Mice Using Ethylene Vinyl Acetate (EVA). Toxicologist 14(1), 310, 1994.

Mastrocco, F. J., Frick-Miranda, S., Janke, B., Norris, J. C., and Werley, M. S.: Low-Density Polyethylene (LDPE) Thermal Emissions and Sensory Irritation Potential in Mice. Toxicologist 14(1), 310, 1994.

Cushman, J. R., Norris, J. C., Dodd, D. E., Darmer, K. I., and Morris, C. R.: Subchronic Inhalation Toxicity Studies with Cumene in Fischer 344 Rats. Toxicologist 14(1), 318, 1994.

Norris, J. C., Edwards, D. A., Soranno, T. M., Frick-Miranda, S., Janke, B., and Gephart, L. A.: Pilot Studies of the Thermal Emissions for Several Polymeric Substances Using a Modified DIN 53 436 Apparatus. Toxicologist 13(1), 48, 1993.

Chun, J. S., Norris, J. C., Losco, P. E., and Ballantyne, B.: NIAX™ Catalyst A-99: 14-Week Vapor Inhalation Study in Rats. Toxicologist 13(1), 46, 1993.

Ballantyne, B., Myers, R. C., Norris, J. C., Nachreiner, D. J., Fowler, E. H., and Neptun, D. A.: Acute Toxicity, Primary Irritancy, and Short-Term Repeated Vapor Exposure Toxicity of Trimethoxysilane (TMS). Toxicologist 13(1), 152, 1993.

Norris, J. C.: Combustion Toxicity Problems. International Union of Forestry Research Organizations, Nancy, France. August 1992.

Schmidt, G. A., Poulsen, K. V., and Norris, J. C.: North American and European Fire Tests for Cables and Cable Materials. Computer Business Equipment Manufacturers Association: Committee ESC-9. Hewlett Packard, Culpertino, California. June 1992.

Norris, J. C.: Chemistry and Toxicology. Chemistry Classes at Jeannette Senior High School, Jeannette, Pennsylvania. May 1992.

Norris, J. C., Neptun, D. A., and Tyler, T. R.: Nine- and Ninety-Day Caprolactone Inhalation Studies on Rats. Toxicologist 12(1), 237, 1992.

PRESENTATIONS/ABSTRACTS (continued):

Norris, J. C.: Combustion Toxicology Apparatus. New York City Department of Buildings, New York City, New York. July 1991.

Burleigh-Flayer, H. D., Dodd, D. E., Norris, J. C., and Tyler, T. R.: Nine-Day Aerosol Inhalation Study of UCARLNK™ XL-25 SE in Rats. American Thoracic Society, 1991.

Norris, J. C., Dodd, D. E., Neptun, D. A., Walter, M. K., and Tyler, T. R.: UCARLNK™ XL-20 (Multifunctional Carbodiimide) Four-Week Aerosol Inhalation Study on Rats. Toxicologist 11(1), 87, 1991.

Norris, J. C.: Review of Polyvinyl Chloride (PVC) Data. Union Carbide Corporation, Polyolefins Specialties, Weston Canal, New Jersey. December 1990.

Norris, J. C.: Combustion Toxicity. Union Carbide Corporation, Polyolefins Specialties, Weston Canal, New Jersey. July 1990.

Norris, J. C.: Investigation of the Dual LC₅₀ Values of Woods Using the University of Pittsburgh Combustion Toxicity Apparatus. Fifteenth Annual Fire Product Safety Conference, San Francisco, California. January 1990.

Norris, J. C.: Multiple LC₅₀ Values of Woods Using the University of Pittsburgh Test Method. International Organization Standardization Meeting, Technical Committee 92, Subcommittee 3, Working Group 2, London, England. April 1989.

Norris, J. C.: Toxicity of Smoke. Underwriters' Laboratories Professional Awards Program, Santa Clara, California. February 1989.

Norris, J. C.: Investigation of the Dual LC₅₀ Values of Woods Using the University of Pittsburgh Combustion Toxicity Apparatus. International Symposium on Characterization and Toxicity of Smoke, Phoenix, Arizona. December 1988.

Norris, J. C.: National Forest Product Association's Assessment of the New Performance Test Method. National Institute of Building Sciences Fire Hazards Conference III, Washington, District of Columbia. August 1988.

Norris, J. C.: Combustion Toxicity. Forest Products Research Society Annual Meeting. Fire Performance and Technology Session, Quebec City, Canada. June 1988.

Norris, J. C.: National Institute of Building Sciences Combustion Toxicity Hazard Test. Society of Plastics Engineers and The Fire Retardant Chemicals Association Joint Meeting, Grenelle, Florida. March 1988.

Norris, J. C., Fletcher, J. A., Rockhold, R. W., and Hume, A. S.: A Cyanide Antagonist, α -Ketoglutaric Acid (α -KG), Does Not Alter Sodium Nitroprusside (SNP)-Induced Hypotension. Pharmacologist 28, 164, 1986.

PRESENTATIONS/ABSTRACTS (continued):

Norris, J. C., Utley, W. S., and Hume, A. S.: Mechanism of Antagonizing Cyanide-Induced Lethality by α -Ketoglutaric Acid. Toxicologist 6(1), 277, 1986.

Norris, J. C. and Hume, A. S.: Structure Activity of Relationship of Keto Acids in Antagonizing Cyanide-Induced Lethality. Federation Proceedings 45, 216, 1986.

Norris, J. C.: Cyanide-Induced Lethality. United States Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, Maryland. July 1985.

Norris, J. C.: The Effects of Overdosage of Drugs of Abuse. Ninth Annual Mississippi School of Alcohol/Drug Studies. Jackson State University, Jackson, Mississippi. June 1985.

Norris, J. C. and Hume, A. S.: Antagonism of Sodium Nitroprusside-Induced Lethality by α -Ketoglutaric Acid. Federation Proceedings 44, 719, 1985.

Moore, S. J., Norris, J. C., Wilson, R. D., Ho, I. K., and Hume, A. S.: The Efficacy of α -Ketoglutaric Acid in the Antagonism of Cyanide Intoxication. Federation Proceedings 44, 719, 1985.

Hume, A. S., Norris, J. C., and Moore, S. J.: Chemoprophylaxis of Cyanide Poisoning by α -Ketoglutaric Acid. Chemical Defense Bioscience Symposium. U.S. Army Medical Research and Development Command, 1985.

Moore, S. J., Norris, J. C., Smith, T. G., and Hume, A. S.: Antagonism of Concurrent Carbon Monoxide (CO) and Cyanide (CN) Poisoning. Pharmacologist 27, 97, 1985.

Fontenot, H. J., Ho, I. K., Wilson, R. D., Norris, J. C., and Hume, A. S.: Functional and Dispositional Tolerance to Ketamine. Amer. Soc. Anes. A282, 1984.

Norris, J. C., Moore, S. J., Fontenot, H. J., Wilson, R. D., Ho, I. K., and Hume, A. S.: Interaction of Carbon Monoxide and Cyanide. Chemical Defense Bioscience Symposium. U.S. Army Medical Research and Development Command, Aberdeen Proving Ground, Maryland, 1984.

Aldous, C., Norris, J. C., Baltar, A., Fontenot, H. J., Wilson, R. D., Ho, I. K., and Hume, A. S.: Formation of Cyanohydrins and Antagonism of Cyanide Toxicity by Some Carbonyl Compounds. Pharmacologist 26, 230, 1984.

Norris, J. C., Fontenot, H. J., Hume, A. S., Ho, I. K., and Wilson, R. D.: Interaction of GABAergic System and Phencyclidine (PCP). Federation Proceedings 42, 5121, 1983.

Norris, J. C., Benet, H. C., Fontenot, H. J., Wilson, R. D., Ho, I. K., and Hume, A. S.: Relationship of Toxicities of Cyanide (KCN) and Carbon Monoxide (CO) in Mice. Pharmacologist 25, 273, 1983.

PRESENTATIONS/ABSTRACTS (continued):

Benet, H. C., Norris, J. C., Fontenot, H. J., Wilson, R. D., Ho, I. K., and Hume, A. S.: Effects of Ascorbic Acid, Fructose-1,6-Diphosphate and L-Cysteine on Cyanide Toxicity in Rodents. Pharmacologist 25, 274, 1983.

Norris, J. C., Nabeshima, T., Sivam, S. P., and Ho, I. K.: Alteration of Calcium-Dependent GABA Release and the Enzyme Activities of Glutamic Acid Decarboxylase (GAD) and GABA- γ -Ketoglutarate Transaminase (GABA-T) in Response to the Acute and Chronic Administration of Phencyclidine (PCP). Toxicologist 2(1), 1, 1982.

Ho, I. K., Sivam, S. P., Hoskins, B., and Norris, J. C.: Effect of Acute and Chronic Administration of Diisopropylfluorophosphate on Cholinesterase Activity, Muscarinic, Dopamine, and GABA Receptors of the Rat Striatum. Pharmacologist 24, 103, 1982.

Norris, J. C., Nabeshima, T., Hume, A. S., and Ho, I. K.: Effect of Phencyclidine (PCP) Administration on GABA System. Federation Proceedings 40, 298, 1980.

REPORTS:

Norris, J.C. Assessment of the United States Consumer Product Safety Commission Briefing Package on Fire Retardant Treatment of Upholstered Furniture Fabric. Prepared for the Upholstered Furniture Action Council. (71 pages). [Presentation to the CPSC reported in the Bureau of National Affairs, Product Safety and Liability Reporter 26 (19): 440-441, 1998.]

Norris, J.C. and Kapp, R.W. The Toxicity of Smoke from Petroleum Fires. Prepared for several petroleum companies. (Issued in 1998 - 121 pages).

BOOK REVIEW:

Norris, J.C. Nurmi and Darling Emphasize Leadership. Book: International Management Leadership: The Primary Competitive Advantage. Raimo W. Nurmi and John R. Darling. In: International Journal of Commerce and Management. 10(1):105-106, 2000.

PUBLICATIONS:

Norris, J.C. and Tyler, T.R. Inhalation Toxicity Studies of Aqueous Dispersion Resin. Inhalation Toxicology 12:101-116, 2000.

Norris, J.C., Nachreiner, D.J., Tyler, T.R., Klimisch, H.J., and Zimmerman, D.D. 1997. Acute Inhalation Toxicity Studies of n-Butyl Acetate. Inhalation Toxicology 9:623-646, 1997.

Ballantyne, B., Norris, J.C., Dodd, D.E., Klonne, D.R., Losco, P.E., Neptun, D.A., Price, S.C., and Grasso, P. Short-term and Subchronic Repeated Exposure Studies with 5-ethylidene-2-norbornene Vapor in the Rat. J. Appl. Toxicol. 17(4):197-210, 1997.

PUBLICATIONS (continued):

Losco, P. E., Chun, J. S., Norris, J. C., Dodd, D. E., and Ballantyne, B.: Diffuse Vascular Epithelial Degeneration in Rats Receiving Subchronic Vapor Exposure to Bis[2-(Dimethyl-amino)Ethyl] Ether (DMAEE). Inhalation Toxicology 8:783-801, 1996.

Norris, J. C.: Review of Combustion Toxicity in the International Standardization Organization Regarding Toxic Hazards in Fires. Proceedings of the Forty-Fourth International Wire and Cable Symposium p. 422-431, 1995.

White, J. A. and Norris, J. C.: Standard Fire Test Method Development, The ICAL. International Conference on Fire Research & Engineering. Society of Fire Protection Engineers and the National Institute of Standards and Technology. p. 582-583, 1995.

Cushman, J. R., Norris, J. C., Dodd, D. E., Darmer, K. I., Morris, C. R.: Subchronic Inhalation Toxicity and Neurotoxicity Assessment of Cumene in Fischer 344 Rats. J. Amer. Coll. Tox. 14(2): 129-147, 1995.

Norris, J. C. and Ballantyne, B.: Combustion Toxicology. In: General and Applied Toxicology. Ballantyne, B., Marrs, T., and Turner, P., Editors. Macmillan Press Ltd., 1993.

Norris, J. C., Uteley, W. S., and Hume, A. S.: Mechanism of Antagonizing Cyanide-Induced Lethality by α -Ketoglutaric Acid. Toxicology 62, 275-283, 1990.

Norris, J. C.: Investigation of the Dual LC₅₀ Values of Woods Using the University of Pittsburgh Combustion Toxicity Apparatus. Standardization News STP 1082, 57-71, 1990.

Norris, J. C. and Hume, A. S.: In Vivo Release of Cyanide from Sodium Nitroprusside. British J. Anaesthesia 59, 236-239, 1987.

Moore, S. J., Norris, J. C., Walsh, D. A., and Hume, A. S.: Antidotal Use of Methemoglobin Forming Cyanide Antagonists in Concurrent Carbon Monoxide/Cyanide Intoxication. J. Pharmacol. Exper. Therap. 242, 70-73, 1987.

Moore, S. J., Norris, J. C., Ho, I. K., and Hume, A. S.: The Efficacy of α -Ketoglutaric Acid in the Antagonism of Cyanide Intoxication. Tox. Applied Pharmacol. 82, 40-44, 1986.

Norris, J. C., Moore, S. J., and Hume, A. S.: Synergistic Lethality Induced by the Combination of Carbon Monoxide and Cyanide. Toxicology 40, 121-129, 1986.

Norris, J. C., Nabeshima, T., Fontenot, H. J., Wilson, R. D., and Ho, I. K.: Phencyclidine and GABA System. In: Cellular and Molecular Basis of Neurotoxicity of Environmental Agents. T. Narahashi, Editor. Raven Press, New York, 191-206, 1984.

Sivam, S. P., Norris, J. C., Lim, D. K., Hoskins, B., and Ho, I. K.: Effect of Acute and Chronic Cholinesterase Inhibition with Diisopropylfluorophosphate on Muscarinic, Dopamine and GABA Receptors of the Rat Striatum. J. Neurochem. 40, 1414-1422, 1983.

PUBLICATIONS (continued):

Norris, J. C., Nabeshima, T., and Ho, I. K.: Effects of Phencyclidine on γ -Aminobutyric Acid Receptors in the Mouse. Res. Commun. Subst. Abuse 3, 409-420, 1982.

Nabeshima, T., Sivam, S. P., Norris, J. C., and Ho, I. K.: Calcium-Dependent GABA Release from Mouse Brain Slices Following Acute and Chronic Phencyclidine Administration. Res. Commun. Subst. Abuse 2, 343-354, 1981.

OAK RIDGE NATIONAL LABORATORY PUBLICATIONS:

**ACUTE EXPOSURE GUIDELINE LEVELS:
(U.S. EPA National Advisory Committee)**

Methyl Mercaptan (Draft)
Hydrogen Cyanide (Draft)
Phosgene (Draft)

HEALTH AND RISK ASSESSMENT (RfD and RfC):

Ethylene Glycol

GUIDANCE DOCUMENTS:

Norris, J. C. 1996. Toxicity Summary for 1,4-Dichlorobenzene. U. S. Army Toxic and Hazardous Materials Agency, Aberdeen Proving Ground, MD.

Norris, J. C. 1996. Toxicity Summary for 1,1,2,2-Tetrachloroethane. U. S. Army Toxic and Hazardous Materials Agency, Aberdeen Proving Ground, MD.

DATA EVALUATION REPORTS:

Norris, J. C. 1997. Data Evaluation Report for Tybufenpyrad, Study Type: Chronic Oral Toxicity Capsule - Dog (83-1b) - MRID 43309315, U.S. Environmental Protection Agency, Health Effects Division, 1921 Jefferson Davis Highway, Arlington, VA 22202, ORNL/M-5121.

Norris, J. C. 1997. Data Evaluation Report, Sulfuryl Fluoride, Study Type: Chronic Inhalation Toxicity - Dog - MRID 43354901, Health Effects Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5745.

Norris, J. C. 1997. Data Evaluation Report, Foli-R-Fos 400, Study Type: Physical and Chemical Properties (151B-17) - MRID 43905803, Health Effects Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5713.

DATA EVALUATION REPORTS (continued):

Norris, J. C. 1997. Data Evaluation Report, Foli-R-Fos 400, Study Type: Product Identity and Disclosure of Ingredients (51B-10) Manufacturing Process (151B-11) Discussion of the Formation of Unintentional Ingredients (151B-12) - MRID 43905801, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5712.

Norris, J. C. 1997. Data Evaluation Report, Foli-R-Fos 400, Study Type: Analysis of Sample (151B-13) Certification of Ingredients Limits (151B-15) - MRID 43905802, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5711.

Norris, J. C. 1997. Data Evaluation Report, Aminoethoxyvinylglycine Hydrochloride, Study Type: HPLC Method for the Analysis of L-Alpha-(2-Aminoethoxyvinyl)glycine Hydrochloride (A-800009) in Apple - MRID 44082101, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5561.

Norris, J. C. 1996. Data Evaluation Report, Aminoethoxyvinylglycine Hydrochloride, Study Type: Freezer Storage Stability Study of A-800009 in Apple Processed Commodities (153B-3C) - MRID 43846504, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5558.

Norris, J. C. 1996. Data Evaluation Report, Aminoethoxyvinylglycine Hydrochloride, Study Type: PR Notice 88-5 Enforcement Method Verification for the Analysis of A-80009 in Apple Raw and Apple Juice (153B-3b), MRID 43846503, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5564.

Norris, J. C. 1996. Data Evaluation Report, Aminoethoxyvinylglycine Hydrochloride, Study Type: Freezer Storage Stability Study of A-80009 in Apple Raw Agricultural Commodity (153B-3C) - MRID 43846505, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5562.

Norris, J. C. 1996. Data Evaluation Report, Aminoethoxyvinylglycine Hydrochloride, Study Type: Enforcement Method Verification for the Analysis of A-80009 in Apple Juice and Apple Rac as per PR-88-5 (153B-3B) - MRID 43846502, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5560.

Norris, J.C. 1996. Data Evaluation Report, Aminoethoxyvinylglycine Hydrochloride, Study Type: HPLC Method for the Analysis of L-Alpha-(2-Aminoethoxyvinyl)glycine Hydrochloride (A-80009) in Apple Juice - MRID 44082102, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5559.

DATA EVALUATION REPORTS (continued):

Norris, J. C. 1996. Data Evaluation Report, MAXON IV, Study Type: Product Identity and Disclosure of Ingredients, MRID 43983001, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5338.

Norris, J. C. 1996. Data Evaluation Report, Skin So Soft Moisturing Outdoor Protection After Sun Spray, Study Type: Preliminary Analysis of Product Samples (62-1) - MRID 43941901, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5721.

Norris, J. C. 1996. Data Evaluation Report, Babolna Insect Attractant Trap, Study Type: Analysis and Certification of Product Ingredients (62-1, 62-2, 62-3) - MRID 44041701, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5740.

Norris, J. C. 1996. Data Evaluation Report, Babolna Insect Attractant Trap, Study Type: Analysis and Certification of Product Ingredients (62-1, 62-2, 62-3) - MRID 44108001, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5750.

Norris, J. C. 1996. Data Evaluation Report, Babolna Insect Attractant Trap, Study Type: Physical and Chemical Characteristics (63-1 to 63-21) - MRID 44041702, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5749.

Norris, J. C. 1996. Data Evaluation Report, Skin So Soft Moisturizing Outdoor Protection After Sun Spray, Study Type: Preliminary Analysis of Product Samples (62-1) Certification of Ingredient Limits (62-2) Analytical Methods to Verify Certification, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5720.

Norris, J. C. 1996. Data Evaluation Report, Skin So Soft Moisturizing Outdoor Protection After Sun Spray - MRID 43902301, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5718.

Norris, J. C. 1996. Data Evaluation Report, Skin So Soft Moisturizing Outdoor Protection After Sun Spray - MRID 43902304, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5715.

Norris, J. C. 1996. Data Evaluation Report, Skin So Soft Moisturizing Outdoor Protection After Sun Spray - MRID 43902302, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA, ORNL/M-5716.

DATA EVALUATION REPORTS (continued):

Norris, J. C. 1996. Data Evaluation Report, Cytoplex HMS, Study Type: Product Identity and Disclosure of Ingredients, Manufacturing Process, Discussion of Formation of Impurities, Analysis of Samples and Certification of Limits, Analytical Method, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington VA, ORNL/M-5769.

Norris, J. C. 1996. Data Evaluation Report, NEU 1165M, Study Type: Analysis and Certification of Product Ingredients (151B-13, 151B-15 and 151B-16) - MRID 44131901, Biopesticides and Pollution Prevention Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington VA, ORNL/M-5770.

Norris, J. C. 1996. Data Evaluation Report Azoxystrobin, Acute Oral Neurotoxicity - Rat, Health Effects Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA.

Norris, J. C. 1996. Data Evaluation Report Azoxystrobin, Subchronic Neurotoxicity Feeding - Rat, Health Effects Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA.

Norris, J. C. 1996. Data Evaluation Report, Aldicarb, Subchronic Oral Neurotoxicity – Rat, Health Effects Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA.

Norris, J. C. 1996. Data Evaluation Report Ethroprop, Subchronic Oral Neurotoxicity – Rat, Health Effects Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA.

Norris, J. C. 1996. Data Evaluation Report ABG–3001, Analysis of Samples and Analytical Methods (151B-13), Health Effects Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA.

Norris, J. C. 1996. Data Evaluation Report ABG–3001, Physical and Chemical Properties (151B-16), Health Effects Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA.

Norris, J. C. 1996. Data Evaluation Report ABG-3001, Product Identity and Disclosure of Ingredients – End-Use Product (151b-10) Manufacturing Process – End-Use Product (151b-11) Discussion of the Formation of Unintentional Ingredients – End-Use Product (151b-12) Certification of Ingredients – End-Use Product (151b-15), Health Effects Division, Office of Pesticide Programs, U. S. Environmental Protection Agency, Arlington, VA.

Revision date: August 2009