

Center for
Environmental/Occupational
Risk Analysis & Management

COLLEGE OF PUBLIC HEALTH *OCCUPATIONAL, ENVIRONMENTAL & AGRICULTURAL DISEASE CONTROL & PREVENTION*
UNIVERSITY OF SOUTH FLORIDA

Dr. Raymond D. Harbison
Professor & Director

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CURRICULUM VITAE

Raymond D. Harbison, M.S., Ph.D.
Center for Environmental/Occupational Risk Analysis & Management
College of Public Health
13201 Bruce B. Downs Blvd.
Tampa, Florida 33612-3805

Home Address: 15445 51st Drive
Wellborn, Florida 32094

Date and Place of Birth: January 1, 1943, Peru, Illinois

EDUCATION

Drake University, Des Moines, Iowa - 1961 to 1965, B.S.

University of Iowa, Iowa City, Iowa - 1965 to 1967, M.S. (Pharmacology) -
Thesis: Induced hyperbilirubinemia and a quantitative method or analysis of diazotized bilirubin.

University of Iowa, College of Medicine, Iowa City, Iowa - 1967 to 1969, Ph.D. (Pharmacology/Toxicology) - Dissertation: Studies on the mechanism of teratogenic action and neonatal pharmacology of diphenylhydantoin.

SUMMARY OF EXPERIENCE

2004-PRESENT
DEPARTMENT OF HEALTH
STATE OF FLORIDA
ENVIRONMENTAL PUBLIC HEALTH TRACKING ADVISORY COMMITTEE

2004-PRESENT
COLLEGE OF MEDICINE
UNIVERSITY OF SOUTH FLORIDA
OCCUPATIONAL MEDICINE RESIDENCY PROGRAM
TOXICOLOGY ROTATION

2003-PRESENT
ASSOCIATE MEMBER
H. LEE MOFFITT CANCER CENTER & RESEARCH INSTITUTE
TAMPA, FL

2003-2005
CHAIRMAN, PUBLIC HEALTH OVERSIGHT COMMITTEE
SAUDI ARABIA

2002-PRESENT
RESEARCH PROFESSOR, Center for Environmental Diagnostics and Bioremediation
The University of West Florida

Pensacola, FL

2001-2005
TRAINING DIRECTOR, NIOSH ,HAZARDOUS SUBSTANCES CONTINUING EDUCATION TRAINING
NIOSH - EDUCATION AND RESEARCH CENTER, UNIVERSITY OF SOUTH FLORIDA

2000-PRESENT
BROWNFIELD ADVISORY BOARD- HILLSBOROUGH COUNTY, FLORIDA

2000-Present
Editorial Board- Research Communications in Pharmacology and Toxicology

1999-2005
Vice Chair, Technical Advisory Committee, Brownfield Advisory Board, City of Clearwater, Florida

1998-Present
Toxicologist, Research Service, Haley Veterans Administration Hospital, Tampa, Florida

1998-Present
Professor, Department of Pathology, College of Medicine, University of South Florida

1995-Present
Adjunct Professor, Department of Medicine, College of Medicine, State University of New York at Buffalo

1995-Present
Professor, Department of Pharmacology and Therapeutics, College of Medicine, University of South Florida

1995-Present
Professor, Department of Environmental and Occupational Health, College of Public Health, University of South Florida

1995-Present
Director, Center for Environmental/Occupational Risk Analysis & Management, College of Public Health, University of South Florida

1996-2005
Director, Certification of Hazardous Materials Handlers Review Course and Examination

1994-Present
National Institute of Health, Reviewers Reserve

1994-1995

Advisory Board of Center for Training, Research, and Education for Environmental Occupations (TREEO), University of Florida

1993-1997
American Cancer Society Study Review Group (Florida)

1993-1997
Academy of Toxicological Sciences, Board of Directors

1992-1997
Advisory Board of Earth 2020, the University of Virginia's Center for Environmental Policy

1991-1995
Faculty, Superfund University Training Institutes, East Tennessee State University and University of Virginia

1991-1995
Science Advisory Board Consultant, Environmental Health Committee, United States Environmental Protection Agency

1990-1995
Professor, Department of Pathology, College of Medicine, University of Florida

1989-1995
Director, Laboratory for Environmental and Human Toxicology, University of Florida

1989-1997
Speciality Staff, St. Vincent Infirmary Medical Center, Little Rock, Arkansas

1989-1996
Board of Advisors, The Environmental Institute

1989 - 1994
National Institute of Drug Abuse, Pharmacology II Study Review Group

1988-1995
Professor, Department of Pharmacology and Therapeutics, College of Medicine, University of Florida

1988-1995
Professor, Department of Physiological Sciences, Health Science Center, University of Florida

1987-1997
Clinical Professor, Department of Preventive Medicine, Medical College of Wisconsin, Milwaukee, Wisconsin

1986-1990

National Institute of Environmental Health Sciences Study Review Group

1984-1985
Chairman, National Institute of Occupational Safety and Health Study Review Group

1982-1986
Editorial Board, Fundamental and Applied Toxicology

1980-1990
Society of Toxicology Liaison with Teratology Society

1980-1988
Professor, Department of Pharmacology, University of Arkansas for Medical Sciences

1980-1984
National Institute of Occupational Safety and Health Study Review Committee

1979-Present
Editorial Board, Teratogenicity, Mutagenicity, Carcinogenicity

1977-1980
Director, Toxic Substance Control Laboratory and Associate Professor, Department of Pharmacology and Biochemistry, School of Medicine, Vanderbilt University, Nashville, Tennessee

1977-1980
Professional Affairs Committee - American Society for Pharmacology and Experimental Therapeutics

1977-1980
National Institute on Drug Abuse - Review of DAWN (Drug Abuse Warning Network)

1977-1979
Graduate Education Committee, Vanderbilt University

1977-1978
National Research Council Committee to Review Scientific Program of National Center for Toxicological Research

1976-1980
Editorial Board, Environmental Health Sciences

1976-1977
National Academy of Science, Advisory Center for Toxicology - Revision of Toxicity Testing Procedures for Consumer Protection Agency

1975-1976
Technical Committee of the Society of Toxicology, Chairman

1975-1976

National Institute on Drug Abuse Center Review Committee

1974-1980
Editorial Board, International Journal of Addictive Diseases

1974-1979
Vanderbilt Medical Center, Animal Care Committee

1974-1978
Consultant, U.S. Congressional Committee on Safety Assessment of Chemical Additives & Drugs

1974-1975
Standing Policy Committee on Biomedical Sciences, Vanderbilt School of Medicine; National Institute on Drug Abuse, Clinical Behavioral Review Committee

1974-1975
Co-Chairman, Technical Committee of the Society of Toxicology

1972-1976
Assistant Professor of Pharmacology and Biochemistry, Vanderbilt University School of Medicine

1971-1975
National Institutes of Mental Health-Narcotic Addiction and Drug Abuse Review Committee, Biomedical-Pharmacology-Toxicology

1971-1972
Assistant Professor, Department of Pharmacology, Tulane Medical School

1971-1972
Director of Teratology Section, Laboratory of Environmental Health, Department of Medicine, School of Medicine, Tulane University

1969-1970
Instructor of Pharmacology, Tulane Medical School

1965-1969
USPHS Trainee, University of Iowa, Department of Pharmacology, College of Medicine, Iowa City, Iowa

PROFESSIONAL SOCIETIES

Rho Chi Honorary Pharmacy Society
Sigma Xi (Promotion of Research in Science)
American Association for the Advancement of Science
Teratology Society
Society of Toxicology
American Society for Pharmacology and Experimental Therapeutics
New York Academy of Science
Society for Risk Analysis

American Industrial Hygiene Association

AWARDS
1978
Society of Toxicology Achievement Award

CERTIFICATION
1982
1987
1992
1997
2002
2006
Certified in General Toxicology
Registration
Registered Professional Industrial Hygienest
1999

INDUSTRIAL EXPERIENCE

- Occidental Oil - Worker safety in oil shale production
- Shell Development Corporation - Pesticide use and safety
- Petrolite Corporation - Health assessment of waste incineration methods
- Monsanto Corporation - Chemical mutagenesis and the workplace, environmental assessment of PCB pollution
- American Academy of Industrial Medicine - Women in the workplace
- Tennessee Occupational Safety Health Administration - Industrial toxicology training course
- Society Organic Chemical Manufacturing Association - Chemical carcinogenesis
- Sanitary Corporation of America - Worker safety at industrial residue landfill sites
- Ethyl Corporation - Chemical-induced mutagenesis and teratogenesis in the workplace
- State of Kentucky Bureau of Natural Resources - Toxicology training course for solid waste management personnel
- U.S. Environmental Protection Agency - Chemistry and toxicology of hazardous materials training course for spill management personnel
- Ecology and Environment, Inc. - Health and safety program advisor
- Texaco - Toxicology consultant

- Hooker Chemical Company - Evaluation of health effects at Love Canal
- Chemical Manufacturers Association - Technical review of health effects of PCBs
- American Petroleum Institute - Comments to EPA concerning Resource Conservation Recovery Act
- IBM Corporation - Reproductive hazard assessment
- U.S. Environmental Protection Agency - Rebuttable presumption review of pesticides (FIFRA)
- United States Department of Agriculture - Review of aerial pesticide applications
- State of Georgia Department of Environmental Protection - Toxicology training course for emergency environmental incident management
- State of North Carolina Environmental Resource Management Division - Toxicology training course for environmental management and public health personnel
- Exxon - Review of teratogenic hazard of benzene exposure
- U.S. Department of Justice - Evaluation of environmental and public health problems associated with Price Landfill, Atlantic City, New Jersey
- U.S. Department of Justice - Evaluation of environmental and public health problems associated with Bridgeport Oil and Rental contamination of the Delaware River, Bridgeport, New Jersey
- U.S. Environmental Protection Agency - Evaluation of the environmental impact of dredging of the Hudson River for PCBs, New York
- U.S. Environmental Protection Agency - Evaluation of environmental and public health problems associated with LiPari Landfill in New Jersey
- Velsicol Chemical Corporation - Evaluation of health problems associated with Hardeman County Landfill
- U.S. Environmental Protection Agency - Review of environmental and public health information associated with Denny Farm Site, Verona, Missouri
- U.S. Environmental Protection Agency - Review of environmental and public health information associated with Rose Park Landfill, Salt Lake City, Utah
- U.S. Environmental Protection Agency - Evaluation of environmental and public health problems associated with Taylor Road Landfill, Tampa, Florida
- Dow Chemical Company - Evaluation of health problems associated with a degreasing operation in Tyler, Texas

- United States Environmental Protection Agency - Training course director for Toxicology and Risk Assessment for eight southeastern states. (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee)

- Monsanto Chemical Company - Evaluation of adverse health effects associated with PCB contamination of feed grain in Michigan

- American Bar Association - Short course concerning the role of expert testimony in environmental litigations.

- Gates Energy - Evaluation of the toxicity of metal hydrides

- Diversitech/Gen Corp. - Evaluation of mortality among PCB exposed tire and plastic fabricators
- BIC - Evaluation of reproductive workplace hazards
- Breed Industries - Assessment of health risks associated with airbags

GRANT SUPPORT

Effect of Environmental Toxicants on Perinatal Development	ES00782	1970-1982
Effect of Marijuana on Perinatal Development	DA00141	1971-1974
Schleider Foundation Developmental Toxicology		1970-1972
Clinical Pharmacology - Toxicology Center	GM15431	1975-1981
Environmental Toxicology Center	ES00267	1972-1981
Synthesis and Study of New Chelating Agents	ES01018	1975-1981
Life Insurance Research Fund		1970-1981
National Conference on Control of Hazardous Materials Spills	EPA	1977-1978
Wampole Laboratories - Development of a Prenatal Diagnostic Aid for Neurotube Defects		1979-1981
Introduction to Hazardous Materials Incidence Responses and Environmental Hazards Evaluation	EPA	1980-1981
Environmental Toxicant Effects on	ES02824	1981-1986

Perinatal Development		
Study of the Reproductive Toxicity of Selected Chemicals	NF	1985-1987
Studies of Chemical-Induced Toxicity and Stress	ES05216	1988-1994
Studies of Isomer Specific PCB-Induced Toxicity	*Cooperative Agreement	1989-1991
Mechanism of Cocaine-Induced Liver Toxicity	NIDA	1990-1991
Methamphetamine-Induced Toxicity	NIDA	1991-1994
Toxicology Support	**DER/DEP	1991-1995
Radon Risk Assessment	HUD	1994-1996
Pediatric Formula Evaluation	Mead-Johnson	1994-1996
Halocarbon Toxicity	COPH	1995-1996
Assessment of Risk Associated with Vitrified Materials	DOE	1996-1997
Evaluation of Airbag Safety	Breed Industries	1997-1998
Adrenergic Modulation of		
Stress-Induced changes in Pesticide Toxicity	NIOSH-Center for Agricultural Research And Education	1999-2000
Pesticide-Induced Toxicity	NIOSH	1999-2000
PAH-induced Cellular Changes	NIOSH	2000-2001
Environmental Health Monitoring	General Hlth Systems	2000-2003
Florida Biomonitoring	CDC	2001-2003
Arsenic Physician's Workgroup	FL DOH	2001-2002
Adrenergic Alterations of Toxins-Toxicants	DOD	20001-2003
Clinical Toxicology Evaluation of Health Among Residents of Escambia County, FL	CDC	2002-2004

Assessment of Public Health Risks of Blue/Green Algae Cyanobacter FL DOH 2002-2003

Evaluation of Toxins on DNA DOD 2003-2004
Brain's DNA Repair Response to Neurotoxicants DOD 2004-2006
Florida Bioterrorism & Disaster Preparedness Consortium HRSA 2005-2008
USF & University of Florida Colleges of Pharmacy & Veterinary Medicine
Community Medical Trust Fund 2006-2009
Pesticide Biomonitoring NIOSH 2009-2010
Evaluation of mechanisms of toxin-induced toxicity DOD 2009-2010

*Department of Environmental and Community Medicine UMDNJ - Robert Wood Johnson Medical School Piscataway, New Jersey
** Dept of Environmental Protection, State of Florida
ES - National Institute of Environmental Health Sciences COPH-College of Public Hlth
DA - National Institute on Drug Abuse DOE- Dept of Energy
GM - National Institute of General Medical Sciences DOD- Dept of Defense
EPA - United States Environmental Protection Agency DOH- Dept of Health
NF - National Foundation March of Dimes
NIDA - National Institute on Drug Abuse HUD - Housing and Urban Development
NIOSH-National Institute of Occupational Safety & Health CDC-Ctr Disease Control
HRSA- Health Research Services Administration

TEACHING EXPERIENCE

Medical Toxicology	Vanderbilt Medical Center Second Year Medical Pharmacology
Developmental Pharmacology	Vanderbilt Medical Center
Drug Metabolism	Two Hour Graduate Level Course Vanderbilt Medical Center
Toxicology	Two Hour Graduate Level Course Vanderbilt Medical Center
Medical Toxicology	Second Year Medical Pharmacology University of Arkansas for Medical Sciences
Advanced Toxicology	Two Hour Graduate Level Course University of Arkansas for Medical Sciences
Oncology	Two Hour Graduate Level Course University of Arkansas for Medical Sciences
Chemical Carcinogenesis	Second Year Medical Pathology University of Florida, College of Medicine

Medical Toxicology	Second Year Medical Pharmacology University of Florida, College of Medicine University of South Florida, College of Medicine
Mechanism of Chemical-Induced Toxicity	Two Hour Graduate Level Course University of Florida, College of Medicine
Introductory Toxicology	Three Hour Graduate Level Course University of Florida, College of Medicine
Health Implications/Aspects of Chemical Issues	Superfund University Training Institute East Tennessee State University, University of Virginia, Environmental Protection Agency
Risk Assessment • Industrial • Occupational •Environmental	Three Hour Graduate Level Course University of South Florida, College of Public Health
Occupational and Environmental Medicine	Two Hour Graduate Level Course University of South Florida, College of Public Health
Biomonitoring	Two Hour Graduate Level Course University of South Florida, College of Public Health
Protecting Public Health: Bioterrorism & Biodefense	Three Hour Graduate Level Course University of South Florida, College of Public Health

CONTINUING EDUCATION:

National Hazardous Materials Training Course	Eight Hours (Toxicology)
Hazardous Waste Management	Four Hours (Toxicology)
Toxic Substance Control	Eight Hours (Toxicology)
Environmental Protection Agency, Region IV, Health and Safety Training School	Six Hours (Toxicology)
Industrial Toxicology	Five Hours (Carcinogenesis, Teratogenesis)
Forensic Medicine	Three Hours (Toxicology)
Toxicology and Risk Assessment	Eight Hours

Certification for Hazardous Materials Managers	Twenty Four Hours (NIOSH - ERC)
Neurology and Solvent Encephalopathy	Eight Hours (NIOSH - ERC)
Toxicology and Risk Assessment	Eleven Hours (NIOSH - ERC)

GRADUATE TRAINING - PREDOCTORAL

	Year Degree Conferred	Present Address
Bernardo Mantilla-Plata, Ph.D.	1972	University of Antioqua Department of Toxicology Medellin, Columbia
Michael Stevens, Ph.D.	1973	Monsanto Chemical Company Toxicology Department St. Louis, Missouri
Richard W. Freeman, Ph.D.	1980	Ecology and Environment, Inc. Tallahassee, Florida
Michael E. Fant, M.D., Ph.D	1980	Department of Pediatrics University of Texas Houston, Texas
Adeline Smith, Ph.D.	1982	National Institute of Health Div. of Molecular Toxicology Bethesda, Maryland
James Jernigan, Ph.D.	1983	Amoco Chicago, Illinois
Christopher Teaf, Ph.D.	1985	Florida State University Center for Biomedical and Hazardous Waste Research Tallahassee, Florida
Felix Adatsi, Ph.D.	1986	Department of Natural Resources State of Michigan Lansing, Michigan

M. Ann Clevenger, Ph.D.	1987	EPA Washington, D.C.
Glenn C. Millner, Ph.D.	1987	Environmental Consultant Little Rock, Arkansas
Henry F. Simmons, M.D., Ph.D.	1988	Division of Clinical Toxicology University of Arkansas for Medical Little Rock, Arkansas
Mary Alice Smith, Ph.D.	1989	University of Georgia Athens, Georgia
Hudson K. Bates, Ph.D.	1989	Research Triangle Institute Research Triangle Park, NC
Roland Garipay, MSPH	1998	United States Navy Norfolk, Virginia
Todd Stedeford,Ph.D.	2000	U.S.E.P.A. Washington, DC
Deborah Price, Ph.D.	2001	Environmental Health Hillsborough County, FL
Rony Francois, M.D., Ph.D.	2003	Secretary of Health State of Florida
Kelly Hall, Ph.D.	2005	Baush & Laumb Tampa, Florida
G. Scott Dotson, Ph.D.	2006	Consultant

GRADUATE TRAINING - POSTDOCTORAL

	Years of Study	Present Address
Michael Evans, Ph.D.	1973-1976	Amer. Inst. Toxicology Indianapolis, Indiana
Chandrahar Dwivedi, Ph.D.	1973-1976	Meharry Medical College Dept. of Pediatrics Nashville, Tennessee
Richard P. Koshakji, Ph.D.	1973-1976	Dept. of Pharmacology Vanderbilt Medical Center Nashville, Tennessee
James S. MacDonald	1975-1977	Merck Institute for Therapeutic Research

		West Point, Pennsylvania
Daniel Goodman, Ph.D.	1978-1980	Univ. of Arkansas Med. Sci. Div. of Interdis. Toxicology Little Rock, Arkansas
Robert C. James, Ph.D.	1979-1981	TERRA, Inc. Tallahassee, FL
Peter Wells, Pharm.D.	1979-1981	University of Toronto College of Pharmacy Toronto, Ontario, Canada
Shahata El-Sewedy, Ph.D.	1982-1983	University of Alexandria Medical Research Institute Alexandria, Egypt
Syed F. Ali, Ph.D.	1982-1983	Natl. Ctr. for Toxicol. Res. Jefferson, Arkansas
Jay Gandy, Ph.D.	1986-1987	Univ. of Arkansas Med. Sci. Dept. of Pharm. & Tox. Little Rock, Arkansas
Christopher Borgert, Ph.D.	1991-1992	Univ. of Florida Dept. of Pathology Gainesville, Florida
Robert Demott, Ph.D.	1993-1994	Environ Tampa, Florida
Todd Stedeford, Ph.D.	1999-2002	University of Florida School of Law
M. Rony Francois, M.D., Ph.D.	2000-2003	Secretary of Health State of Florida

PUBLICATIONS

1. Harbison, R.D., R.C. Boerth and J.L. Spratt. Quantitative determination of free and conjugated bilirubin by diazo coupling and a liquid-extraction and column-chromatographic technique. Biochem. J. 104:46c-47c, 1967.

2. Harbison. R.D. and J.L. Spratt. Novobiocin-induced hyperbilirubinemia and its reduction by phenobarbital pretreatment. Toxicol. Appl. Pharmacol. 11:257-263, 1967.

3. Harbison, R.D. and J.L. Spratt. Disappearance of plasma bilirubin fractions in the rat after phenobarbital. Arch. Int. Pharmacodyn. 172(1):32-36, 1968.

4. Harbison, R.D. and B.A. Becker. Barbiturate mortality in hypothyroid and hyperthyroid rats. J. Pharm. Sci. 58(2):183-185, 1969.

5. Harbison, R.D., C.D. Klassen and B.A. Becker. Hemodynamics of the isolated perfused liver of hypothyroid and hyperthyroid rats. Proc. Soc. Exper. Biol. Med. 132:96-99, 1969.

6. Harbison, R.D. and B.A. Becker. Relation of dosage and time of administration of diphenylhydantoin and its teratogenic effect in mice. Teratology 2:305-311, 1969.

7. Eling, T.E., R.D. Harbison, B.A. Becker and J.R. Fouts. Diphenylhydantoin effect on neonatal and adult rat hepatic drug metabolism. J. Pharmacol. Exp. Ther. 171:127-137, 1970.

8. Eling, T.E., R.D. Harbison, B.A. Becker and J.R. Fouts. Kinetic changes in microsomal drug metabolism with age and diphenylhydantoin treatment. Europ. J. Pharmacol. 11:101-108, 1970.

9. Harbison, R.D. and B.A. Becker. Effect of phenobarbital and SKF 525-A pretreatment on diphenylhydantoin teratogenicity in mice. J. Pharmacol. Exp. Ther. 171:283-288, 1970.

10. Harbison, R.D. and B.A. Becker. Effect of phenobarbital or SKF 525-A pretreatment on diphenylhydantoin deposition in pregnant mice. Toxicol. Appl. Pharmcol. 20:573-581, 1971.

11. Harbison, R.D. and B. Mantilla-Plata. Prenatal toxicity, maternal distribution and placental transfer of tetrahydrocannabinol. J. Pharmacol. Exp. Ther. 180(2):446-453, 1972.

12. Harbison, R.D. and B.A. Becker. Diphenylhydantoin teratogenicity in rats. Toxicol. Appl. Pharmacol. 22:193-200, 1972.

13. Wilson, B.J. and R.D. Harbison. Rubratoxins. J. Am. Vet. Med. Assoc. 163(11): 1274-1276, 1973.

14. Koshakji, R.P., B.J. Wilson and R.D. Harbison. Effect of rubratoxin B on prenatal growth and development in mice. Res. Comm. Chem. Pathol. Pharmacol. 5:584-593, 1973.

15. Koshakji, R.P., J. Cole and R.D. Harbison. Influence of injection volume on parathion toxicity and plasma and brain cholinesterase inhibition. Res. Comm. Chem. Pathol. Pharmacol. 6(2):677-687, 1973.

16. Mantilla-Plata, B. and R.D. Harbison. Effect of phenobarbital and SKF 525-A pretreatment, sex, liver injury and vehicle on Δ^9 tetrahydrocannabinol toxicity. Toxicol. Appl. Pharmacol. 27:123-130, 1974.

17. Jones, M.M. and R.D. Harbison. Phthalyltetrathioacetic acid (PTTA). A new chelating agent. Res. Comm. Chem. Pathol. Pharmacol. 7:390-398, 1974.

18. Stevens, M.W. and R.D. Harbison. Placental transfer of diphenylhydantoin: Effects of species, gestation age, and route of administration. Teratology 9:317-326, 1974.

19. Harbison, R.D. and B.A. Becker. Comparative teratogenicity of diphenylhydantoin and metabolites in mice. Teratology 10(3):237-242, 1974.

20. Dwivedi, C., R.D. Harbison, B. Ali and S. Parmar. Synthesis of substituted anilino-[3-methoxy-4-(4-arylthiosemicarbazidecarbonylmethyleneoxyl)] benzylidenes: Correlation between anticonvulsant activity and monoamine oxidase inhibitory and antihemolytic properties. J. Pharmaceut. Sci. 63(7):1124-1128, 1974.

21. Parmar, S.S., B.R. Pandey, C. Dwivedi and R.D. Harbison. Anticonvulsant activity and monoamine oxidase inhibitory properties of 1,3,5-trisubstituted pyrazolines. J. Pharmaceut. Sci. 63(7):1152-1155, 1974.

22. Koshakji, R.P., B.V. Rama Sastry and R.D. Harbison. Studies on the levels and nature of cholinesterase in human and mouse placenta. Res. Comm. Chem. Path. Pharmacol. 9(2):687-692, 1974.

23. Harbison, R.D. and B.V. Rama Sastry. A functional cholinergic system in human placenta. In: Basic and Therapeutic Aspects of Perinatal Pharmacology, P.L. Morselli, et al., eds., Raven Press, New York, 1975.

24. Harbison, R.D., ed., Perinatal Addiction, Spectrum Press, New York, 1975.

25. Ali, B., S.S. Parmar, C. Dwivedi and R.D. Harbison. Selective inhibition of nicotinamide adeninedinucleotide-dependent oxidations by substituted carbamides. Res. Comm. Chem. Pathol. Pharmacol. 11(1):163-166, 1975.

26. Ali, B., R. Kumar, S.S. Parmar, C. Dwivedi and R.D. Harbison. Antihemolytic and anticonvulsant activity of 1-(2,4-dichloro/2,4,5-trichlorophenoxyacety)-4-alkyl/ arylthiosemicarbazides and their relationship between inhibition of NAD-dependent oxidations and monoamine oxidase. J. Pharmaceut. Sci. 64(8):1329-1335, 1975.

27. Gupta, A.K., C. Dwivedi, T.K. Gupta, S.S. Parmar and R.D. Harbison. Synthesis of 2-(N-arylcarboxamide)-3-substituted ethoxyindoles and their monoamine oxidase inhibitory and anticonvulsant activities. J. Pharmaceut. Sci. 64(6):1001-1005, 1975.

28. Evans, M.A., M.W. Stevens, B. Mantilla-Plata and R.D. Harbison. Drugs of abuse, teratogenic and mutagenic considerations. Addictive Diseases: An International Journal. Vol II(1):45-59, 1975.

29. Harbison, R.D. and M.C. Braude. Overview of perinatal narcotic addition and future research goals in developmental pharmacology of abused drugs. Addictive Diseases: An International Journal. Vol. II(1):1-5, 1975.

30. Dwivedi, C. and R.D. Harbison. Anticonvulsant activities of Δ^8 and Δ^9-tetrahydrocannabinol and uridine. Toxicol. Appl. Pharmacol. 31:452-458, 1975.

31. Harbison, R.D. Parathion-induced toxicity and phenobarbital-induced protection against parathion during prenatal development. Toxicol. Appl. Pharmcol. 32(3):482-493, 1975.

32. Mantilla-Plata, B., G.L. Clewe and R.D. Harbison. Δ^9-tetrahydrocannabinol-induced changes in prenatal growth and development of mice. Toxicol. Appl. Pharmacol. 33:333-340, 1975.

33. Harbison, R.D. Comparative toxicity of some selected pesticides in neonatal and adult rats. Toxicol. Appl. Pharmacol. 32(2):443-455, 1975.

34. Mantilla-Plata, B. and R.D. Harbison. Influence of alteration of THC metabolism on THC-induced teratogenesis. In: The Pharmacology of Marijuana, Raven Press, pp. 733-742, 1975.

35. Jones, M.M., D.H. Cable, T.H. Pratt and R.D. Harbison. Preparation and properties of a polymer which selectively binds mercury (II). J. Inorg. Nuclear Chem. 37:2409-2410, 1975.

36. Mantilla-Plata, B. and R.D. Harbison. Alteration of delta^9-tetrahydrocannabinol induced prenatal toxicity by phenobarbital and SKF-525A. In: Marijuana: Chemistry, Biochemistry and Cellular Effects. 469-480, Springer-Verlag, New York, 1976.

37. Harbison, R.D., C. Dwivedi and M.A. Evans. A proposed mechanism for trimethylphosphate-induced sterility. Toxicol. Appl. Pharmacol. 35:481-490, 1976.

38. Sastry, B.V., J. Olubadewo, R.D. Harbison and D.E. Schmidt. Human placental cholinergic systems: Occurrence, distribution and variation with gestational age of acetylcholine in human placenta. Biochem. Pharmacol. 25:425-431, 1976.

39. Jones, M.M., T.H. Pratt, W.G. Mitchell, R.D. Harbison and J.S. MacDonald. Enterohepatic chelating agents. I. General principles and examples. J. Inorg. Nuclear Chem. 38:613-616, 1976.

40. Bishop, M.R., B.V. Sastry, D.E. Schmidt and R.D. Harbison. Occurrence of choline acetyltransferase and acetylcholine and other quaternary ammonium compounds in mammalian spermatozoa. Biochem. Pharmacol. 25:1617-1622, 1976.

41. Evans, M.A., R.D. Harbison, D.J. Brown and R.D. Forney. Stimulant actions of delta^9-tetrahydrocannabinol in mice. Psychopharmacology 50:245-250, 1976.

42. Evans, M.A., C. Dwivedi and R.D. Harbison. Enhancement of cocaine-induced lethality by phenobarbital. In: Cocaine and Other Stimulants, Plenum Publishing Co., pp. 253-267, 1976.

43. Harbison, R.D., M.C. Orgebin-Crist, C. Dwivedi and B.V. Rama Sastry. Choline acetyltransferase activity in sperm of rabbit and man: Possible involvement in TMP-induced sterility. In: Recent Developments in Contraceptive Technology, Ankur Pub., New Delhi, pp. 125-131, 1976.

44. MacDonald, J.S. and R.D. Harbison. Methyl mercury-induced encephalopathy in mice. Toxicol. Appl. Pharmacol. 39:195-205, 1977.

45. Evans, M.A. and R.D. Harbison. Prenatal toxicity of rubratoxin B and its hydrogenated analog. Toxicol. Appl. Pharmacol. 39:13-22, 1977.

46. Gerber, J.G., J.S. MacDonald, R.D. Harbison, J.P. Villeneuve, A.J. Wood and A.S. Nies. Effect of N-acetylcysteine on hepatic covalent binding of paracetamol (acetaminophen). Lancet, pp. 657-658, 1977.

47. Harbison, R.D. and M.A. Evans. Teratogenic aspects of drug abuse in pregnancy. In: Drug Abuse in Pregnancy and Neonatal Effects, J. L. Rementeria (ed.), C.V. Mosby, St. Louis, MO, pp. 181-194, 1977.

48. Evans, M.A. and R.D. Harbison. Cocaine, marihuana, LSD: Pharmacological effects in the fetus and newborn. In: Drug Abuse in Pregnancy and Neonatal Effects, J. L. Rementeria (ed.), C.V. Mosby, St. Louis, MO, pp. 195-208, 1977.

49. Harbison, R.D., M.M. Jones, J.S. MacDonald, T.H. Pratt and R.L. Coates. Synthesis and pharmacological study of a polymer which selectively binds mercury. Toxicol. Appl. Pharmacol. 42:445-454, 1977.

50. Agrawal, A.K., S.S. Parmar, C. Dwivedi and R.D. Harbison. Synthesis of 5-substituted 2-oxazolidinethiones and their antagonism to uterotropic effect of diethylstilbestrol. J. Pharmacol. Sci. 66(6):887-889, 1977.

51. Evans, M.A. and R.D. Harbison. GLC microanalyses of phenacetin and acetaminophen plasma levels. J. Pharmaceut. Sci. 66(11):1628-1629, 1977.

52. Evans, M.A., A.S. Nies, J.L. Watson and R.D. Harbison. Confirmation of the identity of an active metabolite in glutethimide intoxication. J. Analy. Toxicol. 1:457-465, 1977.

53. Harbison, R.D., B. Mantilla-Plata and D.J. Lubin. Alteration of Δ^9-tetrahydrocannabinol-induced teratogenicity by stimulation and inhibition of its metabolism. J. Pharmacol. Exp. Ther. 202(2):455-465, 1977.

54. Harbison, R.D. and R.L. Dixon. (Conference Organizer). Proceedings of symposium on target organ toxicity: Gonads (reproductive and genetic toxicity). Environ. Health Perspect. 24:1-128, 1978.

55. Wilson, J.T., V. Kasantikul, R.D. Harbison and D. Martin. Death in an adolescent following an overdose of acetaminophen and phenobarbital. Am. J. Dis. Child. 132:466-473, 1978.

56. Evans, M.A. and R.D. Harbison. Cocaine-induced hepatotoxicity in mice. Toxicol. Appl. Pharmacol. 45:739-754, 1978.

57. Harbison, R.D. Chemical-biological reactions common to teratogenesis and mutagenesis. Environ. Health Perspect. 24:87-100, 1978.

58. Fant, M.E., R.D. Harbison and R. Harrison. Glucocorticoid uptake into human placental membrane vesicles. J. Biol. Chem. 254:6218-6221, 1979.

59. Freeman, R., R. Woosley, J. Oates and R.D. Harbison. Evidence for the biotransformation of procainamide to a reactive metabolite. Toxicol. Appl. Pharmacol. 50:9-16, 1979.

60. Friedman, C.D., R.D. Harbison, M.M. Jones, A.D. Weaver and G. Hurwitz. Toxicity of chelated mercury. J. Environ. Pathol. Toxicol. 2:1529-1537, 1979.

61. Freeman, R.W., J.S. MacDonald, R.D. Olson, R.C. Boerth, J.A. Oates and R.D. Harbison. Effect of sulphydryl-containing compounds on the antitumor effects of adriamycin. Toxicol. Appl. Pharmacol. 54:168-175, 1980.

62. Harbison, R.D. Teratology, Chapter 5 in Casarett and Doull's Toxicology, Macmillan Publishing Company, New York, 1980.

63. Wells, P.G., R.C. Boerth, J.A. Oates and R.D. Harbison. Toxicologic enhancement by a combination of drugs which deplete hepatic glutathione: Acetaminophen and doxorubicin (Adriamycin). Toxicol. Appl. Pharmacol. 54:197-209, 1980.

64. Koshakji, R.P., M.T. Bush and R.D. Harbison. Metabolism and distribution of 2,4,5-trichlorophenoxyacetic acid (2,4,5-T) in pregnant mice. J. Environ. Sci. Health 4:315-334, 1979.

65. Olson, R.D., J.S. MacDonald, C.V. vanBoxtel, R.C. Boerth, R.D. Harbison, A.E. Slonim, R.W. Freeman and J.A. Oates. Regulatory role of glutathione and soluble sulfhydryl groups in the toxicity of adriamycin. J. Pharmacol. Exp. Ther. 215(2):450-454, 1980.

66. Harbison, R.D., W.W. Eckenfelder, G. Gallagher and G. Moein. National Hazardous Materials Training Program. Proceedings of 1980 National Conference on Control of Hazardous Material Spills, 492-494, 1980.

67. Clarke, J.H., F.G. Ziegler, R.D. Harbison and R.C. James. A Model for Assessment of Environmental Impact of Hazardous Materials Spills and Leaching. Proceedings of 1980 National Conference on Control of Hazardous Material Spills, pp. 293-295, 1980.

68. Wells, P.G. and R.D. Harbison. Significance of the phenytoin reactive arene oxide intermediate, its oxepin tautomer, and clinical factors modifying their roles in phenytoin-induced teratology. In: Phenytoin-induced Teratology and Gingival Pathology, T.M. Hassell, M.C. Johnson and R.H. Dudley, eds., Raven Press, New York, pp. 83-108, 1980.

69. Wood, M., M.L. Berman, R.D. Harbison, P. Hoyle, J.M. Phythyon and A.J. J. Wood. Halothane-induced hepatic necrosis in triiodothyronine pretreated rats. Anesthesiology 52:470-476, 1980.

70. Harbison, R.D. Acetaminophen as an aspirin substitute: Is it safer? Chemical Dependencies: Behavioral and Biomedical Issues. 4(2):71-84, Spectrum Publications, Inc. 1980.

71. Fant, M.E., K.V. Speeg, S. Harper and R.D. Harbison. Cholinergic elements in a human choriocarcinoma cell line. Biochem. Pharmacol. 30(9):967-970, 1981.

72. Freeman, R.W. and R.D. Harbison. Hepatic periportal necrosis induced by chronic administration of cocaine. Biochem. Pharmacol. 30(7):777-783, 1981.

73. Smith, A.C., R.W. Freeman and R.D. Harbison. Ethanol enhancement of cocaine-induced hepatotoxicity. Biochem. Pharmacol. 30:453-458, 1981.

74. Freeman, R.W. and R.D. Harbison. The role of benzoylmethylecgonine in cocaine-induced hepatotoxicity. J. Pharmacol. Exp. Ther. 218(2):558-559, 1981.

75. Freeman, R.W., J.P. Uetrecht, R.L. Woosley, J.A. Oates and R.D. Harbison. Covalent binding of procainamide *in vitro* and *in vivo* to hepatic protein in mice. Drug. Metab. Dispos. 9(3)188-192, 1981.

76. Goodman, D.R. and R.D. Harbison. Characterization of enzymatic acetylcholine synthesis by mouse brain, rat sperm, and purified carnitine acetyltransferase. Biochem. Pharmacol. 30(12):1521-1528, 1981.

77. Fant, M.E. and R.D. Harbison. Syncytiotrophoblast membrane vesicles: A model for examining the human placental cholinergic system. Teratology 24(2):187-199, 1981.

78. Goodman, D.R., R.C. James and R.D. Harbison. Placental Toxicology. Food Chem. Toxicol. 20:123-128, 1982.

79. James, R.C. and R.D. Harbison. Hepatic glutathione and hepatotoxicity: Effect of cytochrome P-450 complexing compounds SKF525-A, L-alpha-acetylmethadol (LAAM), norLAAM and piperonyl butoxide. Biochem. Pharmacol. 31(10):1829-1835, 1982.

80. James, R.C., D.R. Goodman and R.D. Harbison. Hepatic glutathione and hepatotoxicity: Changes induced by selected narcotics. J. Pharmacol. Exp. Ther. 221(3):708-714, 1982.

81. Wells, P.G., A. Kupfer, J.A. Lawson and R.D. Harbison. Relation of *in vivo* drug metabolism to steroselective fetal hydantoin toxicology in mice: Evaluation of mephenytoin and its metabolite, nirvanol. J. Pharmacol. Exp. Ther. 221(1):228-234, 1982.

82. Jernigan, J.D. and R.D. Harbison. Role of biotransformation in the potentiation of halocarbon hepatotoxicity by 2,5-hexanedione. J. Toxicol. Environ. Health, 9:761-781, 1982.

83. James, R.C. and R.D. Harbison. Assessment of the human risks to PCBs associated with the expected environmental exposures, from the Symposium Proceedings: Advances in Exposure, Health and Environmental Effects Studies of PCBs, Office of Toxic Substances, Health and Environmental Review Division, U.S. Environmental Protection Agency, Washington, D.C., 1983.

84. Goodman, D.R., R.C. James and R.D. Harbison. Chemical-induced heritable cell changes: Description and mutagenicity assays and application of test results in Gonads, edited by R.L. Dixon and R.D. Harbison, Raven Press, New York, 1983.

85. Goodman, D.R., M.E. Fant and R.D. Harbison. Perturbation of a-aminoisobutyric acid (AIB) transport in human placental membranes: Direct effects by $HgCl_2$, CH_3HgCl and $CdCl_2$. Terato. Carcino. Mutagen. 3(1):89-100, 1983.

86. Jernigan, J.D., J.G. Pounds and R.D. Harbison. Potentiation of chlorinated hydrocarbon toxicity by 2,5-hexanedione in primary cultures of adult rat hepatocytes. Fund. Appl. Toxicol. 3(1):22-26, 1983.

87. Ali, S.F., J.M. Cranmer, P.T. Goad, W. Slikker, R.D. Harbison and M.F. Cranmer. Trimethyltin-induced changes of neurotransmitter levels and brain receptor binding in the mouse. Neurotoxicology 4:(1)29-36, 1983.

88. James, R.C., S. Roberts and R.D. Harbison. The perturbation of hepatic glutathione by alpha^2-adrenergic agonists. Fund. Appl. Toxicol. 3:303-308, 1983.

89. Freeman, R.W. and R.D. Harbison. Analysis of alpha-fetoprotein: A comparison of three radioimmunoassays. Terato. Mutagen. Carcino. 3:407-420, 1983.

90. Smith, A.C., L.M. Berman, R.C. James and R.D. Harbison. Characterization of hyperthyroidism enhancement of halothane-induced hepatotoxicity. Biochem. Pharmacol. 32(23):3531-3539, 1983.

91. Smith, A.C., R.C. James, L.M. Berman, and R.D. Harbison. Paradoxical effects of perturbation of intracellular levels of glutathione on halothane-induced hepatotoxicity in hyperthyroid rats. Fund. Appl. Toxicol. 4(2):221-230, 1984.

92. James, R.C., R.W. Freeman and R.D. Harbison. L-alpha-acetylmethadol-induced tissue alterations in mice. Drug Chem. Toxicol. 7(1):91-112, 1984.

93. Koshakji, R.P., R.D. Harbison and M.T. Bush. Studies on the Metabolic Fate of (^{14}C)2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the mouse. Toxicol. Appl. Pharmacol. 73(1):69-77, 1984.

94. Goodman, D.R., F.K. Adatsi and R.D. Harbison. Evidence for the extreme overestimation of choline acetyltransferase in human sperm, human seminal

plasma and rat heart: A case of mistaking carnitine acetyltransferase for choline acetyltransferase. Chem. Bio. Inter. 49:39-53, 1984.

95. Teaf, C.M., R.D. Harbison and R.W. Freeman. Cocaine-induced hepatotoxicity: Lipid peroxidation as a possible mechanism. Drug Chem. Toxicol. 7(4):383-396, 1984.

96. Goodman, D.R., R.C. James and R.D. Harbison. Assessment of mutagenicity using germ cells and the application of test results. In: Reproductive Toxicology. R.L. Dixon, ed., Raven Press, NY, pg 267-285, 1985.

97. Teaf, C.M., R.D. Harbison and J.B. Bishop . Germ cell mutagenesis and GSH depression in reproductive tissues of the F344 rat induced by ethyl methanesulfonate. Mutat. Res. 144:93-98, 1985.

98. Jarmer, S., A.R. Shoaf and R.D. Harbison. Comparative enzymatic acetylation of carnitine and choline by human placenta syncytiotrophoblast membrane vesicles. Terato. Mutagen. Carcino., 5:445-461, 1985.

99. Shoaf, A.R., S. Jarmer and R.D. Harbison. Heavy metal inhibition of carnitine acetyltransferase activity in human placental syncytiotrophoblast: Possible site of action of $HgCl_2$, CH_3HgCl and $CdCl_2$. Terato. Mutagen. Carcino. 6:351-360, 1986.

100. Roberts, S.M., R.C. James, R.D. Harbison and V.R. Grund. Histamine and hepatic glutathione in the mouse. Life Sci. 40(21):2103-2110, 1987.

101. Gandy, J., C.M. Teaf, F.A. Adatsi, R.C. James and R.D. Harbison. The dependence of male reproductive toxicity on germ cell stage. In: Functional Teratogenesis: Functional Effects on the Offspring After Parental Drug Exposure, T. Fujii and P.M. Adams (Eds.), Teikyo University Press, Tokyo, Japan, pp. 133-143, 1987.

102. James, R.C., M.A. Schiefer, S.M. Roberts and R.D. Harbison. Antagonism of cocaine-induced hepatotoxicity by the alpha-adrenergic antagonists phentolamine and yohimibine. J. Pharmacol. Expt. Ther., 242(2):726-732, 1987.

103. Roberts, S.M., R.C. James, H.F. Simmons and R.D. Harbison. Alcohol and cocaine-induced liver injury. Alcohol Health & Res. World 2(4):20-25, 1987.

104. Teaf, C.M., J.B. Bishop and R.D. Harbison. Depression of glutathione in male reproductive tissues and potentiation of EMS-induced germ cell mutagenesis by L-buthionine sulfoximine. Terato. Mutagen. Carcino. 7(6):497-513, 1987.

105. Smith, A.C., S.M. Roberts, R.C. James, L.M. Berman and R.D. Harbison. Comparison of covalent binding from halothane metabolism in hepatic microsomes from phenobarbital-induced and hyperthyroid rats. Xenobioticia 18(8):991-1001, 1988.

106. Smith, A.C., S.M. Roberts, L.M. Berman, R.D. Harbison and R.C. James. Effects of piperonyl butoxide on halothane hepatotoxicity and metabolism in the hyperthyroid rat. Toxicology 50:95-105, 1988.

107. Kerger, B.D., S.M. Roberts, J.A. Hinson, J. Gandy, R.D. Harbison and R.C. James. Antagonism of bromobenzene-induced hepatotoxicity by phentolamine: Evidence for a metabolism independent intervention. Toxicol. Appl. Pharmacol. 95:24-31, 1988.

108. Kerger, B.D., J. Gandy, T.J. Bucci, S.M. Roberts, R.D. Harbison and R.C. James. Antagonism of bromobenzene-induced hepatotoxicity by the alpha adrenergic blocking agents, phentolamine and idazoxan. Toxicol. Appl. Pharmacol. 95:12-23, 1988.

109. Kerger, B.D., S.M. Roberts, R.D. Harbison and R.C. James. Antagonism of bromobenzene-induced hepatotoxicity by the a-adrenoreceptor blocking agents phentolamine and idazoxan: role of hypothermia. Toxicol. Appl. Pharmacol. 97:360-369, 1989.

110. Harbison, R.D., D.J. Marino, C.C. Conaway, L.F. Rubin and J. Gandy. A study of chronic morpholine exposure of rats. Fund. Appl. Toxicol. 12:491-507, 1989.

111. Skoulis, N.P., R.C. James, R.D. Harbison and S.M. Roberts. Depression of hepatic glutathione by opioid analgesic drugs in mice. Toxicol. Appl. Pharmacol. 99(1):139-147, 1989.

112. Skoulis, N.P., R.C. James, R.D. Harbison and S.M. Roberts. Perturbation of glutathione by a central action of morphine. Toxicology 57:287-302, 1989.

113. Clevenger, M.A., S.M. Roberts, D.L. Lattin, R.D. Harbison and R.C. James. The pharmacokinetics of 2,2',5,5'-tetrachlorobiphenyl and 3,3',4,4'-tetrachlorobiphenyl and its relationship to toxicity. Toxicol. Appl. Pharmacol. 100:315-327, 1989.

114. Stabile, I., C.M. Teaf and R.D. Harbison. Role of cholinergic and carnitinergic systems in placenta toxicology. Contemp. Rev. Obstet. Gynecol. 1:253-260, 1989.

115. Simmons, H.F., R.C. James, R.D. Harbison and S.M. Roberts. Depression of glutathione by cold-restraint in mice. Toxicology 61:59-71, 1990.

116. Gandy, J.G., G. Millner, H.K. Bates, D.A. Casciano and R.D. Harbison. Effects of selected chemicals on the glutathione status in the male reproductive system of rats. J. Toxicol. Environ. Health, 29:45-57, 1990.

117. Teaf, C.M., J.R. Bishop and R.D. Harbison. Potentiation of ethyl methanesulfonate-induced germ cell mutagenesis and depression of glutathione in male reproductive tissues by 1,2-dibromoethane. Terato. Mutagen. Carcino. 10:427-438, 1990.

118. Simmons, H.F., R.C. James, R.D. Harbison, D.G. Patel and S.M. Roberts. Examination of the role of catecholamines in hepatic glutathione suppression by cold-restraint in mice. Toxicology 67:29-40, 1991.

119. Roberts, S.M., R.C. James and R.D. Harbison. Cocaine-induced hepatotoxicity. In: Cocaine Pharmacology, Physiology, and Clinical Strategies, Lakoski, J.M., M.P. Galloway, F.J. White (eds.), CRC Press, Boca Raton, FL, pp. 15-33, 1991.

120. Harbison, R.D., R.C. James and S.M. Roberts. Hepatic glutathione suppression by the adrenoreceptor stimulating agents phenylephrine and clonidine. Toxicol. 69:279-290, 1991.

121. Roberts, S.M., R.D. Harbison and R.C. James. Human microsomal N-oxidative metabolism of cocaine. Drug Metab. Dispos. 19:1046-105, 1991.

122. Harbison, R.D. Glutathione modulation of cellular toxicity. The Toxicology Forum, July 15-19, Pages 384-399, 1991.

123. Roberts, S.M., R.D. Harbison, J.E. Seng and R.C. James. Potentiation of carbon tetrachloride by phenylpropanolamine. Toxicol. Appl. Pharmacol. 111:175-188, 1991.

124. Roberts, S.M., J.W. Munson, R.C. James and R.D. Harbison. An assay for cocaethylene and other cocaine metabolites in liver using high performance liquid chromatography. Analy. Biochem. 202:256-261, 1992.

125. Roth, L., R.D. Harbison, R.C. James and S.M. Roberts. Cocaine hepatotoxicity: influence of hepatic enzyme inducing and inhibiting agents on the intralobular site of necrosis. Hepatology 15(5):934-940, 1992.

126. Harbison, R.D., and N.K. Ushakoff. Risk assessment and public policy: Are realistic risks considered? ECON 7(2):26-30, 1992.

127. Roberts, S.M., L. Roth, R.D. Harbison, and R.C. James. Cocaethylene hepatotoxicity in mice. Biochem. Pharmacol. 43(9):1989-1995, 1992.

128. Borgert, C.J., S.M. Roberts, R.C. James, and R.D. Harbison. Perspectives on assessment of risks from dermal exposure to polycyclic aromatic hydrocarbons. In: Health Risk Assessment: Dermal and Inhalation Exposure and Absorption of Toxicants. CRC Press, Boca Raton 27:455-470, 1992.

129. Gandy, J., H.K. Bates, L.A. Conder, and R.D. Harbison. Effects of reproductive tract glutathione enhancement and depletion of ethyl methanesulfonate-induced dominant lethan mutations in Sprague-Dawley rats. Terato. Mutagen. Carcino. 12:61-70 ,1992.

130. James, R.C., H. Busch, C.H. Tamburro, S.M. Roberts, J.D. Schell, and.R.D. Harbison. Polychlorinated biphenyl exposure and human disease. JOM 35:136-148, 1993.

131. Roberts, S. M., R.D. Harbison, and R.C. James. Inhibition by ethanol of the metabolism of cocaine to benzoylecgonine and ecgonine methyl ester in mouse and human liver. Drug Metab. Disp. 21(3):537-541, 1993.

132. James, R.C., R. D. Harbison, S. M. Roberts. Phenylpropanolamine potentiation of acetaminophen-induced hepatotoxicity: evidence for a gluthathione-dependent mechanism. Toxicol. .Appl. Pharmacol. 118:159-168, 1993.

133. Borgert, C.J., S.M. Roberts, R.D. Harbison, J.L. Cisar and G.H. Snyder. Assessing chemical hazards on golf courses. U.S.G.A. Green Section Record 33:11-14, 1994.

134. Roberts, S.M., R.D. Harbison, L. Roth, and R.C. James. Methylphenidate-induced hepatotoxicity in mice and its potentiation by ß-adrenergic agonist drugs. Life Sci. 55:269-281, 1994.

135. Roberts, S.M., R.D. Harbison and R.C. James. Methamphetamine potentiation of carbon tetrachloride hepatotoxicity in mice. J. Pharmacol. Exper. Ther. 271(2):1051-1057, 1994.

136. Roberts, S.M., R.D. Harbison and R.C. James. Mechanistic studies on the potentiation of carbon tetrachloride hepatotoxicity by methamphetamine. Toxicology 97:49-57, 1995.

137. Roberts, S.M., R.D. Harbison, R.A. Westhouse and R.C. James. Exacerbation of carbon tetrachloride induced liver injury in the rat by methamphetamine. Toxicol. Let 76:77-83, 1995.

138. Borgert, C.J. , S.M. Roberts, R.D. Harbison, and R.C. James. Influence of soil half-life on risk assessment of carcinogens. Reg. Toxicol. Pharmacol. 22:143-151, 1995.

139. Harbison, R.D. and R.P. DeMott. Cocaine hepatotoxicity. Comprehensive Toxicology 9:321-328, 1997.

140. Harbison, R.D. Diagnosis of Occupational disease. Hamilton and Hardy's Industrial Toxicology 5:3-11, 1998

141. Price. D.C., C. Muro-Cacho, and R.D. Harbison. Role of apoptoris in phenobarbital modulation of cocaine-induced liver damage. Res Comm. in Alcohol and Subs. Abuse. 20:27-40, 1999.

142. Rusk, G., D. Lynn Williams, and R.D. Harbison. Challenging class certification in the post-Daubert era. ABA Environmental Litigation Committee Newsletter 10:12-15, 1999.

143. Harbison, R.D., S. Babu, C. Muro-Cacho, M. Rony Francois and T. Stedeford. Adrenergic modulation of bromohydroquinone-induced nephrotoxicity. Res Comm. in Pharmacology & Toxicology 5:11-22, 2000.

144. Garvey, G.J., G. Hahn, R.V.Lee, and R.D. Harbison. Heavy metal hazards of Asian traditional remedies. Inter. Jour. Of Environ. Hlth Res., 11-63-71, 2001.

145. Stedeford, T., F. Cardozo-Pelaez, N. Nemeth, S. Song, R. Harbison, and J, Sanchez-Ramos. Comparison of base-excision repair capacity in proliferating and differentiated PC 12 cells following acute challenge with dieldrin. Free Radical Biology and Medicine 31:1272-1278, 2001.

146. Stedeford, T., F. Cardozo-Pelaez, C. Hover, R. Harbison, and J. Sanchez-Ramos. Organ-specific differences in 8-oxoguanosine glycosylase (OGG1) repair following acute treatment with benzo(a)pyrene. Res. Comm. Molecular Pathology and Pharmacology 109:73-85, 2001.

147. Stephen, F.D. C. Stineman, P. W. Jonmaire, and R.D. Harbison. Risk Analysis of Candle Emissions I. Soot and Benzene. Res. Comm. In Pharmacology and Toxicology 6: 3-18, 20001.

148. Harbison, R.D. and J. McCluskey. Evaluating occupational claims of chemical-induced injury. Chemical Health & Safety July/August, pages 6-9, 2001.

149. Stedeford, T.E., F. Cardozo-Pelaez, G. Luzardo, A. Khlifi, and R.D. Harbison. Organ-specific differences in DNA damage, DNA repair, and antioxidant systems. Research Communications in Biochemistry, Cell & Molecular Biology, 109: 73-85, 2001.

150. Stedeford, T.F., F. Cardozo-Pelaez, B. Vultaggio, C. Muro-Cacho, G. Luzardo, and R.D. Harbison. Alpha-adrenergic receptors and their significance to chemical-induced nephrotoxicity. Res. Comm. In Molecular Pathology and Pharmacology, 110:59-72, 2001.

151. Harbison, R.D., T.F. Stedeford, C. Muro-Cacho, D. I. Mosquera, and M. Banasik. Activation of alpha-1-adrenergic receptors potentiates the nephrotoxicity of ethylene dibromide. Toxicology, 186:181-189, 2003.

152. Garipay, R.C., C. Muro-Caco, A. Khlifi, G. Hahn, T. Stedeford, M. Banasik, and R. D. Harbison. Tissue metal concentrations and histopathology of rats gavaged with vitrified soil obtained from the former Charleston Naval Shipyard (SC,USA). Journal of Hazardous Materials, 4028:1-12, 2003.

153. Lee, R.V., R.D. Harbison, F.A. Draughon. Food as a Weapon. Food Protection Trends 23: 664-674, 2003.

154. Blake, C.L., D.R. Van Orden, M. Banasik, and R.D. Harbison. Airborne asbestos concentration from brake changing does not exceed permissible exposure limit. Regulatory Toxicology and Pharmacology, 38:58-70, 2003.

155. Banasik, M.,T. Stedeford, A. Persad, K. Ueda, S. Tanaka, C. Muro-Cacho, and R. D. HARBISON. Selective inhibition of acetylcholinesterase in the cerebellum and hippocampus of mice following acute treatment with malathion. Jour. of Enzyme Inhibition and Medicinal Chemistry, 18: 551-555, 2003.

156. Reed, J.N., T. Stedeford, M. Banasik, S. Tanaka, D. Mosquera, P, Grivas and R.D. Harbison. Bioavailability of aluminum from soil versus aqueous media. Res. Comm. In Pharmacology and Toxicology 8:17-25, 2003.

157. SU, P.H., M. TAKEHASHI, S. TANAKA, M. BANASIK, T. STEDEFORD, K. UEDA, C. MURO-CACHO, AND R.D. HARBISON. HEPATOCELLULAR ACCUMULATION OF POLY(ADP-RIBOSE) IN MALE ICR MICE TREATED WITH A NECROGENIC DOSE OF CARBON TETRACHLORIDE. RES. COMM. IN MOLECULAR PATHOLOGY AND PHARMACOLOGY, 113:171-180, 2003.

158. Harbison,R.D., T. Stedeford, M. Banasik, C. Muro-Cacho. Toxicology and Risk Assessment of Mycotoxins. Journal of Land Use and Environmental Law, 19:451–463, 2004.

159. Banasik, M. T. Stedeford, K. Ueda, C. Muro-Cacho, Phi-Huynh Su, Seigo Tanaka, and R. D. Harbison Hepatoprotective Effects of 6(5*H*)-Phenanthridinone from Chemical-Induced Centrilobular Necrosis. Res. Comm. In Molecular Pathology and Pharmacology 115:15-20, 2004.

160. Miller, I., M. Shelly, P. Jonmaire, R.V. Lee, and R.D. Harbison. Assessing contributory risk using economic input-output life-cycle analysis. Inter. Jour. of Environmental Health Research, 15:107-115, 2005.

161. Francois, MR, P. Grivas, C. Williams, G. Johnson, J. Studnicki, and R.D. Harbison. Predicting the risk of respiratory- related hospital admissions using an air pollution model. Journal of Medicine 36: 5-26, 2005.

162. Sava, V., O. Reunova, A. Velasquez, R. Harbison, and J. Sanchez-Ramos. Acute neurotoxic effects of the fungal metabolite ochratoxin-A. NeuroToxicology, 27: 82-92, 2006.

163. Blake, C. L., G. Scott Dotson, and R.D. Harbison. Assessment of airborne asbestos exposure during the servicing and handling of automobile asbestos-containing gaskets. Regulatory Toxicology and Pharmacology, 45:214-222, 2006.

164. Grivas, P., S. Tanaka, K. Ueda, G. Johnson, and R.D. Harbison. 6, (5H)-Phenanthridinone protects against carbon tetrachloride-induced cytotoxicity in human HepG2 cells. Res. Comm. In Molecular Pathology and Pharmacology 120:117-126, 2007

165. Scharf, J.E, G. Johnson, S. C. Harbison, J. McCluskey, R. D. Harbison. Dermal absorption of a dilute aqueous solution of malathion. Jour. Of Emergencies, Trauma, and Shock. 1:70-73, 2008.

166. Blake, C.L., G. Scott Dotson, R.D. Harbison. Evaluation of asbestos exposure within the automotive repair industry: A study involving removal of asbestos-containing body sealants and drive clutch replacement. Regulatory Toxicology and Pharmacology 52:324-331, 2008.

167. Francois, M.R., G. Johnson, I. Hoare, J. Wolfson, C. Dziuban, and R.D. Harbison. Predicting return to work in patients with coronary heart disease. Journal of Medicine 39:43-52, 2008.

168. Banasik, M. Hardy, R.D. Harbison, C.H. Hsu, and T. Stedeford.

Tetrabromobisphenol A and model-derived risks for reproductive toxicity. Toxicology 260:150-152, 2009.

169. Hover, C., M. Banasik, R.D. Harbison, M. Hardy, D.J. Price, T. Stedeford. Occurrence of Five Classes of Chemicals in Indoor Dust ??? An evaluation of the human health risks. Science of the Total Environment doi 10.1016/j.scitotenv,2009

170. Blake, C.L., G.T. Johnson, and R.D. Harbison. Airborne asbestos exposure during light aircraft brake replacement. Regulatory Toxicology and Pharmacology 54:242-246, 2009.

171. Banasik, M., J. Biesemeier, J. Ariano, R.D. Harbison, C. Hover, D.J. Price, M. Hardy, T. Stedeford. Comment on 'Elevated House Dust and Serum Concentrations of PBDEs in California: Unintended Consequences of Furniture Flammability Standards? Envir. Science & Technology 43: 2659-2660, 2009.

172. Khlifi, M., L. Zun, G. Johnson, and R.D. Harbison. Etiological characterization of emergency department acute poisoning. Journal of Emergencies, Trauma, and Shock. 2:159-163, 2009.

173. Johnson, G.T., S.C. Harbison, J.D. McCluskey,and R.D. Harbison.Characterization of cancer risk from airborne benzene exposure. Regulatory Toxicology and Pharmacology. 55:361-366, 2009.

174. Crane JS, J.D. McCluskey, G.T. Johnson, and R. D. Harbison. Assessment of community healthcare providers ability and willingness to respond to emergencies resulting from bioterrorist attacks. J Emerg Trauma Shock 3:13-20, 2010.

175. Banasik, M, M. Hardy, R.D. Harbison, and T. Stedeford. Comments of Brominated flame retardants in children's toys: Concentration, Composition, and Children's Exposure and Risk Assessment. Environ. Sci. Technol. 44:1152-1153, 2010.

176. Johnson, G., Z. Yiliang, and R.D. Harbison. Comments on: Effects of decabrominated diphenyl ether (PBDE 209) exposure at different developmental periods on synaptic plasticity in the dentate gyrus of adult rats in vivo. Toxicological Sciences 114:387-388, 2010.

177. Goodman, J.E, J.A. Biesemeier, G.T. Johnson, C. Harbison, R.D. Harbison, Y. Zhu, R.V. Lee, H. Silberberg, M. Hardy, and T. Stedeford. Fecundability and serum PBDE concentrations in women, Environmental Health Perspectives Vol. 118, p. A330, 2010.

178. Goodman, J.E., L.E. Kerper, G.T. Johnson, R.D. Harbison, R. Cordero, R.V. Lee, M.F. Pulde, M. Hardy, and T. Stedeford. PBDE flame retardants and thyroid hormone during pregnancy, Environmental Health Perspectives, Vol. 118, p. A2 (doi: 10.1289/ehp.1002782), 2010.

179. DeHate, R.B., G.T. Johnson, and R.D. Harbison. Risk characterization of vapor intrusion in former manufactured gas plant sites. Regulatory Toxicology and

Pharmacology. 59:353-359, 2011.

180. Smith, C.J., G.T. Johnson, R.D. Harbison, Y. Zhu, R.V. Lee, M. Banasik, and T. Stedeford "Comment on: 'Dose-dependent neurologic abnormalities in workers exposed to 1-bromopropane'", Journal of Occupational and Environmental Medicine , 2011.

ABSTRACTS
Papers Presented at Scientific Meetings

1. Harbison, R.D. Effect of phenobarbital pretreatment of novobiocin-induced hyperbilirubinemia. Federation Proceedings. 26, March-April, 1967.

2. Harbison, R.D. and B.A. Becker. Comparison of mortality rates of some barbiturates in normal and triiodothyronine-induced hyperthyroid rats. Society of Toxicology, Seventh Annual Meeting, March 1968, Toxicology and Applied Pharmacology 12:316, 1968.

3. Harbison, R.D., C.D. Klaassen and B.A. Becker. The effect of altered thyroid state on the hemodynamics of the isolated perfused rat liver. Gastroenterology. American Association for the Study of Liver Disease, Chicago, 1968.

4. Eling, T.E., R.D. Harbison, B.A. Becker and J.R. Fouts. Effect of diphenylhydantoin treatment on spectral and kinetic properties of hepatic microsomal enzymes in newborn and adult rats. The Pharmacologist 11:248, 1969.

5. Harbison, R.D. and B.A. Becker. Phenobarbital and SKF 525-A effect on placental transfer, distribution and excretion of diphenylhydantoin in pregnant mice. The Pharmacologist. 11:248, 1969.

6. Harbison, R.D., T.E. Eling and B.A. Becker. Effects of diphenylhydantoin on neonatal rat liver drug metabolizing enzymes. Federation Proceedings. 28:676, 1969.

7. Harbison, R.D. and B.A. Becker. Phenobarbital and SKF 525-A alteration of diphenylhydantoin teratogenicity in mice. Society of Toxicology Eight Annual Meeting, March 1969. Toxicology and Applied Pharmacology 14:55, 1969.

8. Harbison, R.D. and B.A. Becker. Studies on the mechanism of diphenylhydantoin teratogenicity. Society of Toxicology, Ninth Annual Meeting, March 1970. Toxicology and Applied Pharmacology 15, 1970.

9. Darby, L.J. and R.D. Harbison. Comparative distribution of parathion in normal and phenobarbital pretreated pregnant mice. The Pharmacologist 12:280, 1970.

10. Harbison, R.D. Maternal distribution and placental transfer of ^{14}C-tetrahydro-cannabinol in pregnant mice. Society of Toxicology, Tenth Annual Meeting, March 1971.

11. George, W.J., G.M. Rodgers, III, J.L. Gibson and R.D. Harbison. Morphine and ethylmorphine metabolism in neonatal and adult rats. Federation of American Society of Experimental Biology, 1971.

12. Mantilla-Plata, B. and R.D. Harbison. Phenobarbital and SKF 525-A effect on delta^{9}-tetrahydrocannabinol (THC) toxicity and distribution in mice. The Pharmacologist 13, 1971.

13. Stevens, M.W. and R.D. Harbison. Influence of species, time of gestation, route of injection on placental transfer of diphenylhydantoin (DPH). Fifth International Congress on Pharmacology, San Francisco, California, 1972.

14. Harbison, R.D. DDT, heptachlor, chlordane and parathion toxicity in adult, newborn and phenobarbital treated newborn rats. Society of Toxicology, Twelfth Annual Meeting, March 1973.

15. Mantilla-Plata, B., G.L. Clewe and R.D. Harbison. Teratogenic and mutagenic studies of delta^{9}-tetrahydrocannibol in mice. Federation of American Society of Experimental Biology, 1973.

16. Olubadewo, J., M.W. Stevens, B.V. Rama Sastry and R.D. Harbison. Studies of the role of endogenous acetylcholine in placental transport. Pharmacologist. Vol. 15, 1973

17. Koshakji, R.P., M. Hoscher, M. Boyd and R.D. Harbison. Studies of the toxins Rubratoxin B, Ipomeanine and Ipomeanol during perinatal development and in the adult. Pharmacologist. Vol. 15, 1973.

18. Rama Sastry, B.V., J. Olubadewo, M.W. Stevens and R.D. Harbision. Localization and gestational variation of placental choline acetyltransferase and acetylcholine and their significance. British Pharmacology Society, London, December, 1973.

19. Harbison, R.D. Women in industry-teratological implications. Symposium American Academy of Occupational Medicine, 1973.

20. Harbison, R.D. and B.V. Rama Sastry. A function cholinergic system in human placenta, Symposium on Perinatal Pharmacology, Milan, Italy, June 1974.

21. Harbison, R.D. et al. Male antifertility activity of trimethyl phosphate: Possible role of a spermic cholinergic system. International Symposium on Reproduction, New Delhi, India, 1974.

22. Mantilla-Plata, B. and R.D. Harbison. Distribution studies of ^{14}C-delta^{9}-tetra-hydrocannabinol (THC) in mice. Society of Toxicology, Thirteenth Annual Meeting, March, 1974.

23. Harbison, R.D., C. Dwivedi and B.V. Rama Sastry. Development of sperm choline acetyltransferase activity: Studies on mechanisms of antifertility activity of trimethyl phosphate. American Society of Pharmacology and Experimental Therapeutics, August, 1974.

24. Dwivedi, C., A. Basheer, S.S. Parmar and R.D. Harbison. Selective inhibition of nicotinamide adenine dinucleotide dependent oxidations by substituted carbamides. American Society of Pharmacology and Experimental Therapeutics, August, 1974.

25. Harbison, R.D. and B.V. Rama Sastry. Studies of a functional cholinergic system in human placenta. Federation of American Society of Experimental Biology, 1974.

26. Dwivedi, C., S.S. Parmar and R.D. Harbison. Antihemolytic and anticonvulsant activity of some substituted thiosemicarbazides and their inhibition of NAD-dependent oxidations and monoamine oxidase. Society of Toxicology, March 9-13, Williamsburg, VA, 1975.

27. Jones, M.M. and R.D. Harbison. Synthesis and study of some new chelating agents to antagonize methylmercury-induced toxicity. Society of Toxicology, March 9-13, 1975.

28. Stevens, M.W. and R.D. Harbison. Placental transfer and uptake of diphenylhydantoin and alpha-aminoisobutyric acid by animal and human placenta. Teratology Society, 1974 meeting, Vancouver, B.C.

29. Harbison, R.D., C. Dwivedi and M.A. Evans. Functional significance of inhibiting spermatozoa choline acetyltransferase. American Society of Pharmacology and Experimental Therapeutics. University of California, Davis, California, August 1975.

30. Evans, M.A., B.J. Wilson and R.D. Harbison. Toxicity and mutagenic effects of Rubratoxin B. American Society of Pharmacology and Experimental Therapeutics. University of California, Davis, California, 1975.

31. MacDonald, J.S., R.D. Harbison, T.H. Pratt and M.M. Jones. Synthesis and pharmacological study of some new metal chelators. Society of Toxicology, Atlanta, Georgia, March, 1976.

32. Evans, M.W., C. Dwivedi and R.D. Harbison. Comparison of the toxicity of Rubratoxin B and its dihydro analog. Society of Toxicology. Atlanta, Georgia, 1976.

33. Evans, M.A., A.S. Nies, J.T. Watson and R.D. Harbison. Glutethimide poisoning: Identification and possible role of 4 hydroxy-2-ethyl-2-phenyl-glutarimide in patient morbidity. American Academy of Forensic Sciences, Washington, D.C., 1976.

34. Evans, M.A., G. Atwood and R.D. Harbison. The pharmacokinetics of meperidine in newborn infants. American Society for Clinical Pharmacology, New Orleans, LA, 1976.

35. Harbison, R.D. and B. Mantilla-Plata. Alteration of delta^9-tetrahydrocannabinol induced teratogenesis. Society of Toxicology, Atlanta, GA, March, 1976.

36. Harbison, R.D., M.W. Stevens and C. Dwivedi. Regulation of fetal growth by a placental cholinergic system. Federation of American Society for Experimental Biology, 1976.

37. Evans, M.S., C. Dwivedi, W.J. Hayes and R.D. Harbison. Paradoxical enhancement of cocaine-induced lethality by phenobarbital. Federation of American Society for Experimental Biology, 1976.

38. MacDonald, J.S. and R.D. Harbison. Concentrations of inorganic and organic mercury in mouse brain associated with varying degrees of neuropathology and functional impairment. Society of Toxicology, Toronto, Canada, 1977.

39. Fant, M. and R.D. Harbison. The human placental cholinergic system: A model for examining its role in placental function. Society of Toxicology, Toronto, Canada, 1977.

40. Dwivedi, C., D.N. Singh, E.P. Crump and R.D. Harbison. Reproductive toxicity of cadmium. Society of Toxicology, Toronto, Canada, 1977.

41. Freeman, R.W., R.L. Woosley and R.D. Harbison. In vitro and in vivo testing for reactive metabolites of cocaine and procainamide. Society of Toxicology, 1977.

42. Freeman, R.W., R.D. Harbison, R.L. Woosley and J.A. Oates. A. proposed reactive metabolite of procainamide in procainamide-induced systemic lupus erythematosis. Federation Proceedings 36:971, 1977.

43. Olson, R.D., J.S. MacDonald, R.D. Harbison, C.J. Van Boxtel, R.C. Boerth and J.A. Oates. Altered myocardial glutathione levels: A possible mechanism of adriamycin toxicity. Federation Proceedings 36:303, 1977.

44. Fant, M.E. and R.D. Harbison. Identification of membrane associated cholinergic system in human placental and spermatozoa. Federation Proceedings 36:1034, 1977.

45. Vansant, J.P., R.M. Woosley, J.T. John, J.A. Oates, R.D. Harbison and J.S. Sergent. The acetylator phenotype of patients with SLE. XIV International Congress of Rheumatology, San Francisco, California, July, 1977.

46. Harbison, R.D., J.S. MacDonald, B.J. Sweetman and D. Taber. Proposed mechanism for diphenylhydantoin-induced teratogenesis. The Pharmacologist 19, 1977.

47. Harbison, R.D. Chemical-biological reactions common to mutagenesis and teratogenesis. Society of Toxicology Target Organ Symposium, Nashville, TN 1977.

48. Freeman, R.W. and R.D. Harbison. Cocaine-induced hepatic necrosis. Society of Toxicology, San Francisco, California, March, 1978.

49. Rubel, B.L., J.S. MacDonald, R.D. Harbison, M.M. Jones, T. Pratt and W. Mitchell. Synthesis and study of some new chelating agents which stimulate the biliary excretion of methyl mercury. Society of Toxicology, San Francisco, California, March, 1978.

50. Freeman, R.W., J.S. MacDonald, R.C. Boerth, R.D. Harbison and J.A. Oates. Studies of the effect of sulfhydryl reagents on the antitumor effect of adriamycin. Society of Toxicology, San Francisco, California, March, 1978.

51. Fant, M. and R.D. Harbison. Interaction of cholinergic ligands with plasma membrane for human term placentae. Federation of American Society of Experimental Biology, Atlantic City, New Jersery, April, 1978.

52. Freeman, R.W. and R.D. Harbison. Norcocaine-induced hepatic necrosis. Pharmacologist, 20(3):193, 1978.

53. Wells, P.G., R.C. Boerth, J.A. Oates and R.D. Harbison. Toxicologic enhancement by combinations of drugs which deplete glutathione. Seventh International Congress of Pharmacology, Paris, France, July, 1978.

54. Smith, A.C., R.W. Freeman and R.D. Harbison. Ethanol potentiation of cocaine-induced hepatic necrosis. Toxicology and Applied Pharmacology 48:A141, 1979.

55. Freeman, R.W., R.L. Woosley, J. Uetrecht, J.A. Oates and R.D. Harbison. <u>In vitro</u> and <u>in vivo</u> covalent binding of procainamide to hepatic protein in mice. Pharmacologist 21(3):221, 1979.

56. Goodman, D.R., M.E. Fant and R.D. Harbison. Direct effects of the heavy metals mercury and cadmium on alpha aminoisobutyric acid transported across human placental membranes. Federation of American Society of Experimental Biology, Dallas, Texas, April, 1979.

57. Smith, A., R. James, L. Berman and R.D. Harbison. Studies of the possible mechanisms of triodothyronine enhancement of halothane-induced hepatic necrosis. Society of Toxicology, Washington, D.C., March, 1980.

58. James, R., B. Jernigan and R.D. Harbison. Depletion of mouse hepatic glutathione by the MI complex forming compound LAAM, nor-LAAM, SKF 525A and piperonyl butoxide. Federation of American Society for Experimental Biology, Anaheim, California, April, 1980.

59. James, R., R. Freeman and R.D. Harbison. 1-Alpha acetylmethadol-induced hepatotoxicity. Second International Congress on Toxicology. Brussels, Belgium, 1980.

60. Smith, A., R. James, L. Berman and R.D. Harbison. Relationship of glutathione to halothane-induced liver injury in the hyperthyroid rat. Second Internationl Congress on Toxicology, Brussels, Belgium, 1980.

61. Goodman, D.R. and R.D. Harbison. Inhibition of alpha-aminoisobutyric acid (AIB) across human placental membranes by several membrane active compounds. Society of Toxicology, Washington, D.C., March, 1980.

62. Goodman, D.R. and R.D. Harbison. Acetylation activity in rat sperm. Federation of American Society of Experimental Biology, Anaheim, California, April, 1980.

63. Goodman, D.R. and R.D. Harbison. Inhibition of choline acetyl transferase and carnitine acetyl transferase by cadmium and mercury. American Society for Pharmacology and Experimental Therapeutics, Rochester, Minnesota, August, 1980.

64. James, R.C., D.R. Goodman, S. Harper and R.D. Harbison. Depletion of mouse hepatic glutathione by the narcotic compounds propoxyphene and morphine. The Toxicologist. 1(1):330, March 1981.

65. Jernigan, J.D. and R.D. Harbison. Induction of hepatic mixed function oxygenases by 2,5-hexanedione in male mice. The Toxicologist. 1(1):358, 1981.

66. Jernigan, B.R., M.M. Jones and R.D. Harbison. Synthesis and pharmacological study of the metal chelator N-propionyl-D, L-penicillamine (NPPA). The Toxicologist. 1(1):435, 1981.

67. Wells, P.G., A. Kupfer, J.A. Lawson and R.D. Harbison. Stereoselective dissociation of hydantoin fetal toxicology from maternal pharmacologic activity in mice: Evaluation of mephenytoin and its metabolite, nirvanol. The Toxicologist. 1(1):534, 1981.

68. Roberts, S.M., V.R. Grund, R.C. James and R.D. Harbison. Examination of the potential role of histamine in morphine-induced hepatic glutathione depletion. The Pharmacologist 24(3):191, 1982.

69. Goodman, D., F. Adatsi, S. Ali, and R. Harbison. Evidence for the nonexistence of choline acetyltransferase (ChAc) in human sperm: A case of mistaking carnitine acetyltransferase (CarAc) for ChAc. The Pharmacologist 24(3):238, 1982.

70. Jernigan, J.D., J.G. Pounds and R.D. Harbison. Potentiation of chlorinated hydrocarbon toxicity by 2,5-hexanedione in primary cultures of adult rat liver parenchymal cells. The Toxicologist 2(1):37, 1982.

71. James, R.C., S.M. Roberts and R.D. Harbison. Depletion of mouse hepatic glutathione by selected endogenous compounds. The Toxicologist 2(1):183, 1982.

72. Teaf, C.M., R.W. Freeman and R.D. Harbison. Cocaine-induced hepatotoxicity: Lipid peroxidation as a possible mechanism. The Toxicologist 3(1):95, 1983.

73. Jernigan, J.D. and R.D. Harbison. Structure-activity studies on ketone-induced potentiation of halocarbon hepatotoxicity in mice. The Toxicologist 3(1):101, 1983.

74. Jernigan, J.D., S. Jarmer, J.G. Pounds and R.D. Harbison. Effect of metabolic inhibitors of 2,5-hexanedione-induced potentiation of halocarbon toxicity in primary cultures of adult rat hepatocytes. The Toxicologist 3(1):156, 1983.

75. El-Sewedy, S.M. and R.D. Harbison: The role of seminal plasma glutathione in heavy metal-induced spermatotoxicity. IUTOX, San Diego, California, August, 1983.

76. Adatsi, F.K., D.R. Goodman and R.D. Harbison: Characterization of carnitine acetyltransferase (CarAc) in male reproductive tissues. The Pharmacologist 25(3):229, 1983.

77. Teaf, C.M. and R.D. Harbison: Effect of cadmium and buthionine sulfoximine (BSO) on glutathione levels in the male reproductive tract. The Toxicologist 4(1):44, 1984.

78. Schiefer, M., R.D. Harbison, J.G. Pounds and R.C. James: The protective effects of alpha$_2$-adrenergic blockers on the hepatotoxicity of cocaine. The Toxicologist 4(1):317, 1984.

79. Jarmer, S., A.R. Shoaf and R.D. Harbison: A study of the heterogenicity of acetylating enzymes in human placental syncytiotrophoblast vesicles and inhibiting effects of $HgCl_2$, $CdCl_2$ and CH_3HgCl. Fed. Proc. 43(3):577, 1984.

80. Adatsi, F.K., R.C. James and R.D. Harbison: Possible involvement of a carnitine acetyltransferase system in trimethyl phosphate-induced sterility. Fed. Proc. 43(3):656, 1984.

81. Adatsi, F., James, R.C. and R.D. Harbison: The potential role of the carnitine acetyltransferase system in cadmium-induced sterility of male Fischer 344 rats. The Toxicologist 5(1):140, 1985.

82. Shoaf, A.R., R.D. Harbison and A. Shaikh. Model reactions of superoxide radical anions ($\bullet 0_2$) in aprotic media. The Toxicologist 5(1):213, 1985.

83. Teaf, C.M., J.B. Bishop and R.D. Harbison. Ethylene dibromide (EDB) and buthionine sulfoximine (BSO) potentiation of ethyl methanesulfonate (EMS) induced dominant lethal mutations. The Toxicologist 5(1):140, 1985.

84. Teaf, C.M., J.B. Bishop and R.D. Harbison. Glutathione and the potentiation of ethylmethanesulfonate (EMS) induced germ cell mutagenesis by ethylene dibromide (EDB) and buthionine sulfoximine (BSO). Environmental Mutagenesis 8(Suppl. 6):85, 1986.

85. Millner, G.C., J. Gandy, D. Casciano and R.D. Harbison. The effect of selected chemicals on glutathione (GSH) levels in the male reproductive tract. The Toxicologist 6(1):290, 1986.

86. Adatsi, F.K., R.C. James and R.D. Harbison. Possible mechanism and locus of ethylene dibromide (EDB)-induced sterility in male Fischer 344 rats. The Toxicologist 6(1):31, 1986

87. Gandy, J., C.M. Teat, F.A. Adatsi and R.D. Harbison. The dependence of male reproductive toxicity on germ cell stage. Presented at the Satellite Symposium of the Fourth International Congress of Toxicology, Tokyo, Japan, July 1986.

88. Kerger, B.D., R.D. Harbison, T.J. Bucci, R.C. James and J. Gandy. Antagonism of bromobenzene-induced hepatotoxicity by the adrenergic blocking agent, phentolamine. The Pharmacologist 28(3):180, 1986.

89. Harbison, R.D., J. Gandy and R.C. James. Confounding factors in risk assessment. Annual Meeting of the American Society of Animal Science, 1986.

90. Clevenger, M.A., R.D. Harbison and R.C. James. Comparison of the pharmacokinetics of two toxicologically diverse polychorinated biphenyl isomers in mice. The Toxicologist 7(1):1088a, 1987.

91. Quirk, J.G. Jr., C. Miller, R. Harbison, B. Butler and L. Keppen. Maternal serum alpha-fetoprotein (MSAFP) screening for fetal aneuoploidy. Presented at the Society of Gynecologic Investigation, 1987.

92. Millner, G., J. Shaddock, R.D. Harbison and D.A. Casciano. Comparative evaluation of unscheduled DNA synthesis (UDS) in hepatocytes isolated from various mouse strains. Presented at the Environmental Mutagen Society, April, 1987.

93. Gandy, J., L.A. Buehler and R.D. Harbison. The role of reproductive tract glutathione in protecting against sperm head alkylations. The Pharmacologist, 1987.

94. Kerger, B.D., J.A. Hinson, R.D. Harbison, S.M. Roberts, J. Gandy and R.C. James. Antagonism of bromobenzene-induced hepatotoxicity: Evidence for a pharmacological intervention by phentolamine. The Pharmacologist 29:148, 1987.

95. Skoulis, N.P., S.M. Roberts, R.C. James, W.D. Wessinger, M.G. Paule and R.D. Harbison. Central opioid receptor stimulation results in diminished concentrations of hepatic glutathione. ISSX/SOT Clearwater Symposium, 1987.

96. Bates, H.K., R.D. Harbison and J. Gandy. Circadian fluctuation of glutathione (GSH) levels in the reproductive tract of the male rat. The Toxicologist 8:14, 1988.

97. Skoulis, N.P., R.C. James, R.D. Harbison and S.M. Roberts. Depression of hepatic glutathione by opioid analgesic drugs in mice. The Toxicologist 8:234, 1988.

98. Smith, M.A., J. Gandy, S.M. Roberts, R.C. James and R.D. Harbison. Phentolamine antagonism of iodobenzene hepatotoxicity in B6C3F1 mice. The Toxicologist 9(1):60, 1989.

99. Buehler, L.A., R.D. Harbison and J. Gandy. The enhancement of glutathione and its protective role in germ cell mutations. The Toxicologist 9(1):91, 1989.

100. Bates, H.K., R.D. Harbison and J.Gandy. Potentiation of ethyl methanesulfonate (EMS) dominant lethality by phorone depletion of glutathione (GSH). The Toxicologist 9(1):91, 1989.

101. Skoulis, N.P., R.C. James, R.D. Harbison and S.M. Roberts. Morphine-induced depression of hepatic glutathione: Relationship to hypoxia, hypothermia, tolerance, and glutathione status in other tissues. The Toxicologist 9(1):169, 1989.

102. Simmons, H.F., R.C. James, R.D. Harbison and S.M. Roberts. Diminished glutathione in mice subjected to cold-restraint stress. The Toxicologist 9(1):169, 1989.

103. Seng, J.E., R.C. James, R.D. Harbison and S.M. Roberts. Glutathione depletion and potentiation of carbon tetrachloride hepatotoxicity by sympathomimetic amines. The Toxicologist 9(1):170, 1989.

104. Teaf, C.M., I. Stabile and R.D. Harbison. Potentiation of in vivo male germ cell mutagenesis by agents which deplete glutathione. European Society of Human Reproduction and Embryology, 1989.

105. Roberts, S.M., R.C. James and R.D. Harbison. Potentiation of acetaminophen hepatotoxicity by phenylpropanolamine. Society of Toxicology Annual Meeting, 1990.

106 James, R.C., R.D. Harbison and S.M. Roberts. Hepatic glutathione suppression by the selective a-adrenergic receptor agonists clonidine and phenylephrine. Society of Toxicology Annual Meeting, 1991.

107. Roberts, S.M., L. Roth, R.C. James and R.D. Harbison. Altering liver metabolism shifts the intralobular site of cocaine-induced injury. Society of Toxicology Annual Meeting, 1991.

108. James, R.C., R.D. Harbison, L. Roth and S.M. Roberts. Hepatotoxicity of methylphenidate: Potentiation by beta-adrenoreceptor stimulating compounds. The Toxicologist 12:65, 1992.

109. Roth, L., R.D. Harbison, R.C. James, T. Tobin, and S.M. Roberts. Localization of cocaine and metabolites in liver sections: Effect of enzyme inducer pretreatment. The Toxicologist 12:66, 1992.

110. Roberts, S.M., L. Roth, R.C. James and R.D. Harbison. Cocaethylene: Comparison of liver toxicity with its parent compound, cocaine. The Toxicologist 12:66, 1992.

111. Harbison, R.D. Risk Assessment Methods - Clean Closure on a RCRA site. Hazardous Waste Management Symposium. Center for Training, Research and Education for Environmental Occupations, University of Florida, Gainesville, Florida, April 2-3, 1992.

112. James, R.C., R.D. Harbison, and S.M. Roberts. Methamphetamine potentiation of carbon tetrachloride hepatotoxicity. The Toxicologist 13:1314, 1993.

113. Roberts, S.M., R.D. Harbison, and R.C. James. Ethanol inhibition of cocaine esteratic metabolism. The Toxiologist 13:1512, 1993.

114. Westhouse, R.A., R.C. James, R.D. Harbison, and S.M. Roberts. Adrenergic effects on the proliferation rate of tumor cells in chemically induced mouse hepatocellular adenomas. The Toxicologist 14(1):128, 1994.

115. Voellmy, R.M., W.F. Salminen, C.J. Borgert, R.A. Westhouse, R.C. James, R.D. Harbison, and S.M. Roberts. Measurement of changes in liver levels of stress proteins following administrations of selected hepatotoxicants in the mouse. The Toxicologist 14(1):133, 1994.

116. Borgert, C.J., S.M. Roberts, R.D. Harbison, and R.C. James. Effect of soil half-life on risk assessment of carcinogens. The Toxicologist 14(1):154, 1994.

117. DeMott, R., R.C. James, S.M. Roberts, and R.D. Harbison. Antagonism of bromobenzene-induced hepatotoxicity following delayed administration of phentolamine. The Toxicologist 14(1):192, 1994.

118. James, R.C., R.D. Harbison and S.M. Roberts. Methamphetamine potentiation of carbon tetrachloride hepatotoxicity: Evaluation of possible mechanisms. The Toxicologist 14(1):274, 1994.

119. Cook, M.L., R.A. Westhouse, R.C. James, R.D. Harbison, and S.M. Roberts. Methamphetamine potentiation of carbon tetrachloride hepatotoxicity: Examination of suppression of early cell replication as a possible mechanism. The Toxicologist 14(1):374, 1994.

120. Salminen, W.F., R.M. Voelmmy, R.C. James, R.D. Harbison and S.M. Roberts. HSP70 induction in HEPG2 cells in response to hepatotoxicants. Toxicologist 15:49, 1995.

121. Frantzen, K.A. and R.D. Harbison. Estimating risks associated with former manufactured gas plant (MGP) sites. Toxicologist 15:140, 1995.

122. Harbison, R.D., R.C. James and S.M. Roberts. Morphine potentiation of carbon tetrachloride hepatotoxicity in mice. Toxicologist. 15:220, 1995.

123. DeMott, R.P., R.C. James, R.A. Westhouse, S.M. Roberts and R.D. Harbison. Nephrotoxicity of 2-bromohydroquinone can be reduced by the adrenergic antagonist phentolamine. Toxicologist. 15:300, 1995.

124. DeMott, R.P., J.A. Schulten, R.D. Harbison and S.E. Noren. Prioritization scheme for evaluating risk assessment issues. Toxicologist. 30:3, 1996.

125. Harbison, R.D., J. Gill, S.M. Roberts and R.P. DeMott. Reevaluation of adrenoreceptor mediated hepatoprotection from bromobenzene. Toxicologist. 30:290, 1996.

126. Harbison, R.D., Frantzen, K., Freeman, R., Stineman, C., and Randall, G. An analysis of risk from incinerator emission exposure, Society for Risk Analysis, December, 1996, New Orleans, Louisiana.

127. Frantzen, K., R. Freeman, C. Williams, R. Lee, A.R. Al-Arvadi, H. Abdal and R.D. Harbison. Assessment of risks and causes of adverse health associated with the Gulf War. Toxicologist 36:172, 1997.

128. Price, D.J., C.W. Jones, C.A. Muro-Cacho and R.D. Harbison. Pathological evaluation of cocaine-induced hepatotoxicity. Toxicologist 36:211, 1997.

129. Garipay, R., J. Reed, C. Muro-Cacho, G. Hahn and R.D. Harbison. Toxicological testing and risk analysis of vitrified material obtained from Naval Shipyard Charleston, S.C. Toxicologist 42:28, 1998.

130. Kassed, C.A., S.A. Shelley, J.E. Pariga, and R.D. Harbison. Response of growth arrest and DNA damage-inducible (GADD 45) m RNA to in vivo treatment with halocarbons. Toxicologist 42:28, 1998.

131. Babu, S., C. Muro-Kacho and R.D. Harbison. Phenylephrine-induced enhancement of bromohydroquinone (BHQ) nephrotoxicity. FASEB, 1998.

132. Lee, R.V., R. Harbison, A. Ellwood, C. Williams. Geographic determinants in health risk analysis. J. Occup. Environ. Med. 40:1023, 1998.

133. Babu, S, R. Francios, J. Mc Clusbey, C. Muro-Cacho, and R.D. Harbison. Paradoxical Alteration of dibromoethane (EDB)-induced nephrotoxicity by adrenergic agents. Toxicologist 48:188-189, 1999.

134. Krause, J.D., N.D. Poor and R.D. Harbison. Characterization of aromatic candle emissions and its similarity to diesel engine exhaust. Toxicologist 48:395, 1999.

135. Reed, J., R., Garipay, G. Hahn, and R.D. Harbison. Comparative absorption of aluminum nitrate in soil and aqueous solutions. Toxicologist 54:187, 2000.

136. Stedeford, T.J., F. Cardozo-Pelaez, C.G. Hoover, and R.D. Harbison. Organ - specific differences in Base-excision repair following acute treatment with benzo(a)pyrene. Toxicologist 54:94, 2000.

137. Price, D.J., C.A. Muro-Cacho, and R.D. Harbison. The role of apoptosis in phenobarbital modulation of cocaine-induced liver damage. Toxicologist 54:112, 2000.

138. Stephen, F.D., C.H. Stineman, P.W. Jonmaire, D.W. Kelly, and R.D. Harbison. Risk analysis of candle emissions. Toxicologist 54:107, 2000.

139. Stedeford, T., F. Cardozo-Pelaez, N. Nemeth, G. DiCarlo, R.D. Harbison, and J. Sanchez-Ramos. Comparison of base-excision repair capacity in proliferating and differentiated PC 12 cells following acute challenge with dieldrin. Neuroscience 1:265, 2000.

140. Stedeford, T., F. Cardozo-Pelaez, R.D. Harbison, and J. Sanchez-Ramos. Selective accumulation of 8-Hydroxy-2-deoxyguanosine in the lung following acute treatment with benzo(a)pyrene. Toxicologist 60:179 , 2001.

141. Cardozo-Pelaez, F., T. Stedeford, N. Nemeth, S. Song, R.D. Harbison, and J. Sanchez-Ramos. Dieldrin inhibits the repair capacity of 8-oxoguanosine DNA glycosylase in differeniated PC 12 cells. Toxicologist 60 , 2001.

142. Price, D.J., C.A. Muro-Cacho, A.P. Kulkarni, and R.D. Harbison. Caffeic acid enhancement of cocaine-induced hepatotoxicity. Toxicologist 60: 72 , 2001.

143. Cardozo-Pelaez, F., T. Stedeford, N. Nemeth, S. Song, R.D. Harbison, and J. Sanchez-Ramos. Dieldrin inhibits the repair capacity of 8-oxoguanosine DNA glycosylase in differentiated PC 12 cells. Toxicologist 60: 129 , 2001.

144. Blake, C.L., D.J. Silver, and R.D. Harbison. Assessment of the public health risks associated with candle emissions. Toxicologist 60: 198 , 2001.

145. Tabone, R.D. and R.D. Harbison. The influence of risk communication on risk perceptions. Toxicologist 66:487, 2002.

146. Francois, M.R., J. Studnicki, and R.D. Harbison. Defining a methodology to assess the environmental health status of a community. Toxicologist 66:488, 2002.

147. Stedeford, T., F. Cardozo-Palaez, G.E. Luzardo, D. Mosquera, M. Banasik, and R.D. Harbison. Strain-specific differences in superoxide dismutase and 8-oxoguanosine DNA-glycosylase capacity of male c57BL/J, BALB/C, and ICR mice. Toxicologist 66:769, 2002.

148. Thrasher, C., R. Lee, R, DeHate, and R.D. Harbison. OUTBREAK: A model for identifying bioterrorism attacks. Association of Schools of Public Health, Environmental Health Conference, September, 2002.

149. Banasik, M., S. P. Su, D. Mosquera, T. Stedeford and R. D. Harbison: Phenanthridinone attenuates the hepatotoxicity of carbon tetrachloride. Toxicologist 72:360, 2003.

150. Francois, M.R., P. Grivas, and R.D. Harbison: Predicting risk of hospital admissions using an air pollution model. Toxicologist 72:186, 2003.

151. Banasik, M., D. Vanorden, C, Blake, and R.D. Harbison: Automobile brake maintenance and airborne chrysotile fiber exposure. Toxicologist 72:183-184, 2003.

152. Mosquera, D.J., T. Stedeford, M. Banasik, C. Muro-Cacho, and R.D. Harbison: Adrenergic modulation of ethylene dibromide-induced toxicity. Toxicologist 72:347, 2003.

153. Scharf, J. M. Martinez, T. Stedeford, G. Hahn, and R. Harbison. Assessment of the skin absorption of malathion. Toxicologist 72:390, 2003.

154. Sava, V., D. Mosquera, S. Song, K. Calero, R. Harbison, F. Carozo-Pelaez, and J. SANCHEZ-RAMOS. Distribution of oxidative DNA damage and oxyguanosine glycosylase activities across brain regions of mice injected with a single dose of rubratoxin-B. Neuroscience, 2003.

155. DeHate, R, K. Waggoner, S. Oluwole, R. Francois, and R.D. Harbison: A methodology for a public health biomonitoring program. American Public Health Association, 2003.

156. Banasik, M., T. Stedeford, C. Muro-Cacho, and R. Harbison. Overactivation of poly (ADP-ribose) polymerase-1 accompanies carbon tetrachloride-induced centrilobular necrosis. Toxicologist 78:310, 2004.

157. Harbison, R., M. Banasik, T. Stedeford, N. Matoh, S. Tanaka, M. Takehashi, and K. Ueda. Neuroprotective effects of CYP2D6 overexpression in differentiated PC12 Cells. Toxicologist 78:346, 2004.

158. SILVER, D AND R. D. HARBISON. Occupational Exposure to Ultrafine Particles and Polycylic Aromatic Hydrocarbons from Candle Emissions. American Association for Aerosol Research (AAAR) October 04-08, 2004.

159. Lumpkin, M.H., V. Runnion, R. Liackfield, S. Paul, and R.D. Harbison. Simulation and assessment of occupational exposures to isocyanates and VOCs during application of a urethane product suite under worst-case conditions. Toxicologist, 2005.

160. Silver, D. and R.D. Harbison. Occupational exposure to ultrafine particles and polycyclic aromatic hydrocarbons from candle emissions. Toxicologist, 2005.

161. Hall, K., C. Muro-Cacho, and R.D. Harbison. Nicotinimide alteration of bromobenzene-induced hepatotoxicity. Toxicologist, 2005.

162. Grivas, P.C., K.W. Hall, C. Muro-Cacho, and R.D. Harbison: Aminophylline-induced inhibition of carbon-tetrachloride-induced hepatotoxicity. Toxicologist, 2006

163. BLAKE, C., C. S. DOTSON, AND R. D. HARBISON: Assessment of asbestos exposure among automechanics servicing and handling asbestos containing gaskets. Toxicologist, 2006.

164. Hall, K., P. Grivas, C. Muro-Cacho., and R. D. Harbison. 6(5H) Phenanthridinone alteration of bromobenzene-induced hepatotoxicity. Toxicologist, 2006.

165. BLAKE, C. S. DOTSON, G. JOHNSON, AND R.D. HARBISON Exposure to asbestos within the automotive repair industry beyond brake components. Toxicologist, 2007.

166. Johnson, G., S.C. Harbison, J. McCluskey, and R. Harbison Characterization of Cancer Risk Associated with Measured Airborne Benzene Levels in the State of Florida. Toxicologist, 2008.

167. Sava, V., R. Harbison, J. Sanchez-Ramos Effects of diethyl maleate preconditioning on expression of DNA repair genes in midbrain elicited by Ochratoxin-A. Toxicologist, 2008.

168. Khlifi, M, L. Zun, D. LaVonne, G. Johnson, and R.D. Harbison. Etiological characterization of emergency department acute poisoning. Toxicologist, 2009.

169. De Hate, R. B., G. Johnson, and R.D. Harbison. Evaluation of the public health risks associated with former Manufactured Gas Plants (MGP). Toxicologist, 2009.

170. McCluskey, J., S.C. Harbison, D. Sava, and R.D. Harbison. Hepatoprotective effects of select water-soluble PARP-1 inhibitors. Toxicologist, 2009.

171. LeBeau, A., G. Johnson, J. McCluskey, and R.D. Harbison. Evaluation of urinary pesticide biomarkers among residents of the United States. Toxicologist, 2010.

172. McCluskey, J., S.C. Harbison, D. Sava, and R.D. Harbison. PARP inhibitor attenuates cocaine-induced hepatotoxicity. Toxicologist, 2010.

173. Johnson, G.T., S.C. Harbison, J.D. McCluskey, P. Xu, L. Thomas, S. Goldman and R.D. Harbison. Pulmonary function testing in boat manufacturing workers. Toxicologist, 2011.

174. DeHate, R.B., B. Skelly, G.T. Johnson, and R.D. Harbison. Assessment of public health risks associated with naphthalene entering residences and commercial space from vapor intrusion at MGP sites. Toxicologist, 2011.

175. Blake, C.L., S.C. Harbison, G.T. Johnson, and R.D. Harbison. Asbestos exposure associated with fire sleeve materials. Toxicologist, 2011.

BOOKS/MONOGRAPHS/REPORTS

Toxicant Profile - Alkyl Benzenes: Ethylbenzene, Isopropylbenzene, Toluene, and Xylenes
Prepared for Florida Department of Environmental Regulation

Toxicant Profile - Carbon Tetrachloride
Prepared for Florida Department of Environmental Regulation

Toxicant Profile - Methylene Chloride
Prepared for Florida Department of Environmental Regulation

Toxicant Profile - Tetrachloroethane
Prepared for Florida Department of Environmental Regulation

Toxicant Profile - Tetrachloroethylene
Prepared for Florida Department of Environmental Regulation

Toxicant Profile - Trichloroethylene
Prepared for Florida Department of Environmental Regulation

Toxicant Profile - Vinyl Chloride
Prepared for Florida Department of Environmental Regulation

Biological Data Relevant To The Evaluation of Carcinogenic Risk to Humans. Prepared for, Scientific Advisory Panel, Safe Drinking Water and Toxic Enforcement Act, State of California, 1987.

Toxicology, Government Regulations, and Risk Assessments As The Basis for Personal Injury Claims. The National Law Journal, New York Law Journal, Fifth Annual Seminar On Hazardous Waste and Toxic Torts, New York City, 1987.

Chlorinated Hydrocarbons: Past Fears and Present Facts,. Center for Training Research and Education for Environmental Occupations, University of Florida, 1990.

Florida Department of Environmental Regulation, Drinking Water Section, Annual Meeting, *Regulations Protect They Do Not Predict*, 1992.

Virginia Occupational Medical Association, Occupational Health Conference, *Evaluation of Exposure to PCBs*, 1992.

American Bar Association, Section of Natural Resources, Energy, and the Environmental Law, Environmental Sciences: A Primer for the Technically Challenged, *Risk Assessment*, 1992-1999.

Benya, T.A. and R.D. Harbison, *Aliphatic and Alicyclic Amines* Chapter 44 in Patty's Industrial Hygiene and Toxicology, Fourth Revised Edition, 1993.

Borgert, C.A., M.A. Strauss and R.D. Harbison, *Reproductive Toxicology and Occupational Exposure* Chapter 54 in Occupational Medicine Principles and Practical Applications, Third Edition, 1993.

Harbison, R.D. *Chlorinated Solvent Spill Liability and Remediation,* Toxicology of Chlorinated Solvents and Using Risk Assessments, Florida Bar Environmental and Land Use Law Section, 1994.

DeMott, R.P. and R.D. Harbison, Department of Housing and Urban Development, U.S. Government. *Assessment of Human Health Risks Associated with Radon Exposure*, 1994.

Harbison, R.D., C.J. Borgert and C.M. Teaf. *Placental Metabolism of Xenobiotics* Chapter 10 in Placental Toxicology, 1995.

American Bar Association, Environmental Sciences: A Primer for the Technically Challenged, 1997.

Florida Remediation Conference: *Probabilistic Risk Assessment*, 1997.

Harbison, R.D., *Industrial Toxicology*, C.V. Mosby, 1998.

Harbison, R.D., *Chemical-Induced Lung Injury* , Occupational and Environmental Lung Disease, American College of Chest Physicians , 1998.

Environmental Permitting: Risk Management for Business' Transactions Florida Chamber of Commerce: *Risk Assessment: Mathematical and Biological Plausibility*, 1998.

Terrorism: Veterans Affairs and Department of Defense: Act of Mass Terror and Public Health Preparedness, *Melieu of Chemical Agents*, 1999.

NASA Satellite Broadcast (National Aeronautic and Space Administration): *Toxicology and Risk Assessment*, 2000.

American College of Occupational and Environmental Medicine: *Occupational Toxicology*, 2000.

Kennedy Space Center: *Industrial Toxicology*, 2000.

NASA Satellite Broadcast (National Aeronautic and Space Administration): *Chemical Carcinogenesis*, 2000.

American Bar Association- Environmental Section- Lead and MTBE: Regulations Protect they do not Predict, 2001.

Air Pollution, Public Health & Automobiles: West Central Florida Air Quality Coordinating Committee, Assessment of Risk Associated with Vehicle Emissions, 2001

Mealey's Mold Conference- Luncheon Keynote: Bioterrorism, 2002.

American Bar Association Section of Environment, Energy, and Resources- Environmental Sciences: Toxicolgy and Risk Assessment, 2002.

NASA, Kennedy Space Center: Human Health Risk Assessment of Perchlorate in Groundwater, 2002.

Bioterrorism and Risk Management: American Bar Association, 2003

Evaluation of Mold-Induced Adverse Health Effects. HarrisMartin's COLUMNS-Mold, Jan. 2004; Vol. 3, No. 3, pp. 6-7, 59-61.

Forensic Evaluation of Occupational Claims of Chemical-Induced Injury, Florida Worker's Compensation and Safety Conference, 2004.

Evaluating Occupational Injury Claims Associated with Welding Rod Use. American Conference Institute, 2004.

Defining a Workplace or Environmental Chemical Exposure, Florida Workers' Compensation Institute, 2005.

Evaluating the Health Claims Associated with Mold Exposure, Florida Workers' Compensation Institute, 2005.

American Bar Association- Environmental Section- Toxicology and Epidemiology, 2006.

Florida Workers' Compensation Educational Conference, Case Studies in Mold Exposures & The Role of the Expert Medical Advisor, Orlando, FL, 2006.

Florida Workers' Compensation Educational Conference, Biomonitoring & Evaluating Workplace Claims of Cancer, Orlando, FL 2007.

Florida Workers' Compensation Educational Conference, Evaluating Individual Impairment from Drugs and Alcohol, Orlando, FL 2008.

Florida Workers' Compensation Educational Conference, Limitations and Applications of Risk Assessments, Orlando, FL 2008.

Environmental and Occupational Health. Chapter 4, Introduction to Public Health in Pharmacy. Boston: Jones and Bartlett , 2008.

Florida Workers' Compensation Educational Conference, Not Every Workplace Exposure is Harmful: Old Fears and New Facts, Orlando, FL 2009.

Florida Workers' Compensation Educational Conference, The Impaired Worker: Illicit Drugs, Alcohol and Medication Interactions, Orlando, FL 2009.

Administrative Law Judges, Judges of Compensation Claims, and State Mediators, State of Florida. Not Every Workplace Exposure is Harmful: Evaluating Claims of Injury, 2009.

The Florida Bar, 2010 Workers' Compensation Forum. Emerging Issues in Occupational Exposure. 2010.

The Florida Bar, The Deep Water Horizon Oil Release, Public Health Effects, 2010.

Florida Workers' Compensation Educational Conference, Substance Abuse in the Workplace, Orlando, FL 2010.

M. Banasik, R.D. Harbison, R.V. Lee, M.F. Pulde, T. Stedeford, T.T. Suchecki, and J. Weiss (2010) "Public comments on the State of California's Safer Consumer Product Alternatives proposed regulation, R-2010-05", pp. 1-23, submitted to the Department of Toxic Substances Control on October 31st, 2010.

M. Banasik, R.D. Harbison, R.V. Lee, and T. Stedeford "Comments on the Proposed, Revised Green Guides, 16 CFR Part 260, Project No. P954501'", pp. 1-5, submitted to the Federal Trade Commission on December 10th, 2010.

M. Banasik, R.D. Harbison, T. Stedeford Comments on the U.S. EPA's "Design for the Environment Program Alternatives Assessment Criteria for Hazard Evaluation, Draft November 2010", 2011.

Marek Banasik, Richard V. Lee, Raymond D. Harbison, and Todd Stedeford The "Reliable Information" List: An Achilles Heel to the DTSC's Proposed Safer Consumer

Product Alternatives Regulation. ABA Science and Technology Committee Newsletter Vol. 7, No. 2, pgs 16-22, 2011.

Health Effects Of The Gilf Oil Spill, Pulmonary Winter Course- Southeast Thoracic Association, American Lung Association of the Southeast. Orlando, Florida, 2011.

M. Banasik, S. Landry, R.D. Harbison, R.V. Lee, T. Senegal, and T. Stedeford "Public comments on the March 1st, 2011 Federal Register notice titled: 'Solicitation of input from stakeholders to inform the National Framework for Electronics Stewardship'. Attention Docket ID No. EPA-HQ-RCRA-2011-0185", 9 pp., submitted to the U.S, 2011.

M. Banasik, J.E. Goodman, R.D. Harbison, R.V. Lee, and T. Stedeford. "Public comments on the Oregon Health Authority's interpretive and policy guidance to the Oregon Revised Statutes §453.025(10)(b) titled 'Decabrominated diphenyl ether and other flame retardants restricted in Oregon products'", 28 pp., submitted to the Oregon Health Authority on April 4th, 2011.