

CURRICULUM VITAE

Revised December 5, 2013

OLEN R. BROWN, PhD., Professor Emeritus

“Doing a task well is efficient; doing the right task well is effective.”

TITLE: Professor Emeritus, University of Missouri, Columbia, MO with the following appointments: John M. Dalton Cardiovascular Research Center, the Graduate School (Research Investigator); Department of Molecular Microbiology and Immunology, School of Medicine (Professor); Department of Biological Sciences, College of Veterinary Medicine (Professor), and Adjunct Professor, Department of Veterinary Microbiology (now Department of Pathobiology).

CURRENT ACTIVITIES: Invited peer reviewer for federal agencies (NIH, NIEHS, CDC, EPA, Superfund, ATSDR and others); reviewer for American Association for the Advancement of Science (AAAS) Books and Films; invited reviewer of submitted papers for various scientific journals including regularly for the American Chemical Society publications; judge of submitted abstracts for Society of Free Radical Biology and Medicine; scientific consultant to corporations and universities; author; and expert witness. For a list of attorneys and cases see pp. 11-25.

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EDUCATION:

- **PhD, Microbiology**, University of Oklahoma, Norman (1964).
- **MS, Bacteriology**, University of Oklahoma, Norman (1960).
- **BS, Laboratory Technology**, University of Oklahoma, Norman (1958).

CERTIFICATIONS:

- **Toxicology:** Certified by examination as a Diplomate in Toxicology by the American Board of Toxicology (1989-present) with re-certifications by re-examinations in 1994, 1999, and 2003; recertification in 2008 as a contributor of certification questions with examination waived; and appointed in 2013 to the American Board of Toxicology Standard of Knowledge Committee.
- **Chemistry and Chemical Engineering:** Fellow of the American Chemical Institute, National Certification Commission, American Institute of Chemists, with annual re-certifications, 1988-1994.
- **Forensics:** American Board of Forensic Examiners, 1995 only.

EXPERTISE (BROADLY IN THE LIFE SCIENCES):

- **Toxicology (General, Academic, Pharmacologic, Forensic, Regulatory)**
- **Medical Sciences (Microbiology, Immunology, Bacteriology, Virology, Cell Physiology, Infectious Diseases, Cancer, Allergy, Mechanisms of diseases)**
- **Microbiology (Medical, Molecular Biology, Veterinary Medical, and Environmental)**
- **Environmental Biology (Hazardous Wastes; Air, Water and Soil Pollution)**
- **Chemistry (Biochemistry, Analytical, Organic)**
- **Veterinary Sciences (Cell Physiology, Mechanisms of Disease)**
- More than 100 scientific publications; over 6 million dollars granted in research funds; peer reviewer (NIH, NIEHS, CDC, ATSDR, Superfund and others); consultant and expert witness for more than 180 cases in over two dozen states, Canada, and the Bahamas.

EXPERIENCE (GUIDED BY INTELLIGENCE, PREPARATION AND PERSISTENCE):

- **Risk assessment and determination of causation** (as distinguished from association)

- from exposure to **toxic chemicals and bacteria, viruses, molds (fungi)** and the occurrence of **acute and chronic toxic, infectious, allergic, and inflammatory diseases**
- **Evaluation of the therapeutic and harmful effects of ethical drugs** and the effects of **alcohol and other drugs of abuse**
 - **Toxicity of solvents** [benzene, gasoline, chlorinated hydrocarbons, leaking underground storage tanks (LUSTs)], **pesticides** (herbicides, insecticides, rodenticides, biocides), **heavy metals** (mercury, lead, iron, manganese, copper, zinc), **ozone and other air pollutants** (as affected by EPA's recent action to impose stricter limits): applications include: **work-place, therapeutic, and environmental exposures**
 - **Evaluation of human medical and veterinary medical devices and pharmaceuticals**
 - **Special expertise for rebutting the science of the EPA's recent (2009) declaration of carbon dioxide (CO₂) as a health hazard**
 - **All testimony and opinions rendered within Daubert and/or Frye standards**

SCIENTIFIC CITATION RECORD FOR PUBLISHED WORKS:

Analysis by Harzing's Publish or Perish (the most recognized tracking system) shows:

- Papers were cited 935 times by other scientists in their publications
- The most highly cited paper was published in the Journal of Applied Physiology in 1990 and has been cited 198 times by other scientists in their publications
- The second most highly cited paper was published in the Journal of Biological Chemistry in 1993 and has been cited 91 times by other scientists in their publications
- The third most highly cited paper was published in 1976 in the Journal Nature and has been cited 68 times by other scientists in their publications
- The fourth most highly cited paper was published in the journal of Biochemical and Biophysical Research in 1978 and has been cited 52 times by other scientists in their publications
- The fifth most highly cited paper was published in Science in 1981 and has been cited 45 times by other scientists in their publications
- The h-index is 16 (this is a recognized index of the quality of the body of published work of a scientist and is defined as follows: "A scientist has index h if h of his/her N_p papers have at least h citations each, and the other (N_p-h) papers have no more than h citations each" (Hirsch, 2005; see www.harzing.com)
- The H-b-index is 46.58.
- Published in **Science, Nature** and the **Journal of Biological Chemistry** (among the top 10 most highly indexed journals)

SCIENTIFIC INTEREST AREAS:

"Science and technology, and the various forms of art, all unite humanity in a single interconnected system- Zhores Aleksandrovich Medvedev."

- **The biology of oxygen including lung function in health and disease, cellular respiration, oxygen radical toxicity mechanisms and defenses with medical applications for mechanisms of toxicity of chemicals, radiation, and infectious, inflammatory and immune diseases including asthma, degenerative brain disorders, convulsions, and for deep water diving, exercise physiology, and hyperbaric therapy, as examples**
- **Pathogenic, allergic, and immunologic mechanisms of bacterial, viral and fungal diseases and mechanisms of action of antibiotics and other ethical drugs**
- **Toxicology of acute and chronically-acting chemicals including their effects on humans, other animals, and broadly in the environment**

Principal Research Areas: The Life Sciences, specifically: Microbiology, Toxicology and Biochemistry. My principal research areas are: oxygen free radicals, including cellular sites and biochemical mechanisms of oxidant-stress damage; mechanisms of adaptation to

extreme environments and exercise stress; toxicity of and defenses (including superoxide dismutase) against oxygen, free radicals and redox-active chemicals including xenobiotics, herbicides, pesticides and pharmaceuticals; free radicals in hyperbaric oxygen-induced convulsions and degenerative brain disorders; the mechanisms of infectious diseases; and assessment, measurement and remediation of environmental pollution, especially odors.

Applications of My Research: My focus on basic research has aided understanding of: the mechanisms of action of drugs and other chemicals; cellular respiration; exercise physiology; oxygen therapy; asthma; deep-water diving; infectious and inflammatory processes; oxidant-stress mechanisms and defenses; poisoning by environmental chemicals; measurement of odor and other environmental pollutants; cardiac re-perfusion injury and plaque formation; aging; traumatic, inflammatory and degenerative brain disorders (Parkinson's and Huntington's diseases); and hyperbaric oxygen poisoning, especially convulsions and newborn eye and lung toxicity.

Most Significant Research Accomplishments: Scientists under my direction have:

- Discovered that specific enzymes including dihydroxyacid dehydratase and asparagine synthetase (of branched-chain amino acid and asparagine biosynthesis, respectively), protein A of the quinolinate synthetase complex, 3-hydroxyanthranilate oxidase and indole amine oxidase (superoxygenase), and kynurenine hydroxylase of NAD biosynthesis and the kynurenine pathway are highly oxidant-sensitive while most enzymes are not (comparatively) sensitive to oxygen, and published mechanistic studies of several enzymes in these pathways that are target sites of herbicides including Roundup.
- Discovered that oxidant stress induces expression of genetic stringency in sensitive bacteria; that nitrofurans and other redox-active compounds kill human malarial parasites *in vitro*
- Discovered that carbon dioxide (CO₂) deprivation is lethal for various microbes and contributed to understanding the metabolic role of CO₂ at the cellular level.
- Developed (with others) the thesis that control of the concentration, chelation and oxidation states of iron in cells is a fundamental defense against oxidant-stress.
- Devised a test to measure the oxidant-stress capability of drugs and environmental and food chemicals.
- Developed the theory that convulsions from hyperbaric oxygen, and certain degenerative brain pathologies, are caused by specific disturbances in the kynurenine pathway that generate excess amounts of quinolinate, an NMDA receptor agonist and excitotoxin.
- Devised and applied techniques to assess odor from lagoons and other environmental sources and initiated research into methods of odor bioremediation.

SCIENTIFIC APPOINTMENTS

"Nothing is more dangerous than an idea, when it's the only one we have- Alain."

RESEARCH (UNIVERSITY OF MISSOURI, COLUMBIA):

2001- Research Professor, retired (awarded Emeritus status).

1996-2001: Research Professor, Dalton Cardiovascular Research Center (DCRC).

1968-2001: Research Investigator, Space Sciences Research Center (now DCRC).

1974-1978: Assistant Director, Space Sciences Research Center (now DCRC).

1967-1968: Research Associate, Space Sciences Research Center (now DCRD).

RESEARCH (UNIVERSITY OF OKLAHOMA, NORMAN):

1958-1962: Research Assistant.

ACADEMIC (UNIVERSITY OF MISSOURI, COLUMBIA):

1987-1996: Professor of Biomedical Sciences, College of Veterinary Medicine.

1981-1996: Professor of Microbiology (now Department of Molecular Microbiology and Immunology), UMC School of Medicine.
1977-1996: Professor of Microbiology, College of Veterinary Medicine.
1970-1977: Associate Professor of Microbiology, College of Veterinary Medicine.
1970 : Assistant Professor of Microbiology, College of Veterinary Medicine.
1965-1964: Assistant Professor of Microbiology, School of Medicine.
1964-1965: Instructor of Microbiology, School of Medicine.

ACADEMIC (UNIVERSITY OF OKLAHOMA, NORMAN):

1963-1964: Special Instructor.
1960-1962: Teaching Assistant

LISTINGS, HONORS, SELECTIONS (All listings are by invitation, none are paid listings):

"An honest man's word is as good as his bond."

Marquis Who's Who in the World, 11th through current edition.
Marquis Who's Who in America, 46th through current edition.
Marquis Who's Who in Medicine and Health Care, 1st through current edition.
American Men and Women of Science, 11th through current edition.
International Scholar's Directory.
Marquis Who's Who in the Mid-West.
Who's Who in Veterinary Science and Medicine, 1st Edition.
Two Thousand Notable American Men, 1st and subsequent editions, 1992.
National Faculty Directory.
Martindale-Hubbell's Directory of Legal Experts and Consultants.
Men of Achievement, 15th edition, 1991.
International Leaders in Achievement, 2nd edition, 1992.
The International Directory of Distinguished Leadership, 3rd - 5th editions.
5000 Personalities of the World, 3rd edition.
Who's Who in American Education, 3rd edition, 1992-93.
Who's Who in Science and Engineering, 1st- 4th editions, 1992-93 to present.
The Dictionary of International Biography, 50th annual collection.
Longman's Who's Who in Science.
Who's Who Worldwide Registry, Inc., 1994-95 Edition.

EDITORIAL BOARDS: Biomedical Letters, The Faculty Press, Cambridge, England, 1991-present (ad hoc); Managing Editorial Board of Frontiers of Bioscience, an on-line Encyclopedia of Science and Medicine, 2003 to present.

INVITED REVIEWER FOR SCIENTIFIC JOURNALS:

List of Scientific Journals, as examples:

- Proceedings of the National Academy of Science
- Analytical Biochemistry
- Environmental Health Perspectives
- American Journal of Physiology
- Heart and Circulatory Physiology
- Archives of Biochemistry and Biophysics
- Free Radical Biology and Medicine
- Biomedical Letters
- Chemical Research in Toxicology
- International Journal of Biomedical Science
- And others

RECENT EXAMPLES of Scientific Papers:

(Listed first are nine articles reviewed in 2013 for Chemical Research in Toxicology)

<u>Manuscript ID</u>	<u>Title</u>	<u>Type</u>
<u>tx-2013-004424</u>	<u>Indomethacin inhibits activation of endothelial nitric oxide synthase (eNOS) in the rat kidney: possible role of this effect in the pathogenesis of indomethacin-induced adverse effects</u>	<u>Article</u>
<u>tx-2013-00378p</u>	<u>Autoimmune Hepatitis Induced by Immunization of Mice with Isoniazid-Modified Hepatic Proteins is Paradoxically Attenuated by Oral Administration of Isoniazid</u>	<u>Article</u>
<u>tx-2013-00272y</u>	<u>In Vitro Metabolism of the Flame Retardants Tris (1,3-dichloro-2-propyl) Phosphate (TDCPP) and Triphenyl Phosphate (TPP) by Human Liver</u>	<u>Article</u>
<u>tx-2013-002379</u>	<u>Mixture Effects of Benzene, Toluene, Ethylbenzene and Xylenes to Lung Carcinoma Cells via a Hanging Drop Air Exposure System</u>	<u>Article</u>
<u>tx-2013-00233p</u>	<u>Complex interactions between dioxin-like and non-dioxin like compounds on in vitro cellular responses: Implications for identification of dioxin exposure biomarkers.</u>	<u>Article</u>
<u>tx-2013-001623</u>	<u>On superoxide dismutase mimics, other mimics, antioxidants, prooxidants and related matters.</u>	<u>Review</u>
<u>tx-2013-00177n</u>	<u>Hierarchical correlation-based classification on Mode of Action using time-dependent cellular response curves</u>	<u>Article</u>
<u>tx-2013-00085h</u>	<u>Interaction of Keap1 Modified by 2-tert-Butyl-1,4-benzoquinone with GSH: Evidence for S-Transarylation</u>	<u>Article</u>
<u>tx-2013-000045</u>	<u>Microbial degradation of microcystins</u>	<u>Review</u>

- **Dibenzofuran** potentiates apoptosis via induction of **oxidative stress** and disruption of **inter-mitochondrial membrane** potential ($\Delta \psi_m$) in HepG₂ cells. Chemical Research in Toxicology (2012).
- **Mycotoxins**- obscure threats from fungi with severe consequences. By Russell atterson, et al. Chemical Research in Toxicology 2011.
- **Disulfides as Cyanide Antidotes** by Zottola, reviewed August 20, 2009 for Chemical Research in Toxicology.
- The Risks of **Copper and Iron** Toxicity during Aging in Humans. By G. Brewer for Chemical Research in Toxicology.
- **LC-MS/MS** Assessment of Cytochrome P450 and UDP-Glucuronosyltransferase Contributions to the Warfarin Metabolome in Human Urine” by Dr. Moran. Published in Chemical Research in Toxicology (reviewed February 24, 2009).
- **LC/MS** Analysis of NAD Biosynthesis Using Stable Isotope Pyrimidine Precursors. J. Evans, Tao-Chin Wang, M.P. Heyes, and S.P. Markey, Laboratory of Neurotoxicology, National Institute of Mental Health, Bethesda, MD 20892.
- Analytical Biochemistry (an International Journal of Methods in the Biological Sciences),
- Effects of Systemic and CNS-Localized **Inflammation** on the Contributions of Metabolic Precursors to the L-Kynurenine and Quinolinic Acid Pools in **Brain**. T. Kita, P.F. Morrison, M. P. Heyes, and S. P. Markey, Laboratory of **Neurotoxicity**, National Institute of Mental Health, Division of Bioengineering and Physical Sciences Health, Division of Bioengineering and Physical Sciences, ORS, NIH, Bethesda, MD.
- Purification and Inactivation of **3-Hydroxyanthranilic Acid 3,4-Dioxygenase** from Beef Liver, D. Nandi, E.S. Lightcap, Y.K. Koo, X. Lu, J. Quancard, and R.B. Silverman,

Department of Chemistry and Department of Biochemistry, Molecular Biology and Cell Biology, Northwestern Univ., Journal of Neurochemistry: Evanston IL 60208. International Journal of Biochemistry and Cell Biology

- **Antioxidant enzymes** stimulation in *Aspergillus parasiticus*, by *Lentinula edodes*, inhibits **aflatoxin** production. Massimo Reverbera, et al, Dept de Biologia Vegetale, Universita Degli Studi, Largo Cristinadi Svezia, Roma for the journal of Free Radical Biology and Medicine.
- Identification and Characterization of **Thiosemicarbazones with Anti-Fungal and Anti-Tumor Effects**: Cellular Iron-Chelation Mediating Cytotoxic Activity, Chemical Research in Toxicology.
- Replication By-Pass of the Acreolein-Mediated Deoxyguanine DNA and protein **cross-links by DNA Polymerases**, Chemical Research in Toxicology.
- **Induction of apoptosis** pathways in several cell lines following exposure to the **marine algal toxin azaspiracid-1**, Chemical Research in Toxicology.

ELECTED UNIVERSITY MEMBERSHIPS (UMC COLUMBIA):

- **Graduate Faculty:** 1967-.
- **Area of Microbiology:** 1970-.
- **Doctoral Faculty:** on establishment in 1974 and reappointed: 1981, 86, 91, 96.
- **Molecular Biology Faculty:** on establishment in 1986.

PROFESSIONAL AND HONOR SOCIETIES: Current or former member: Top One Percent (I.Q.) Society, New York, NY; The Society of the Sigma Xi; International Society for the Study of Xenobiotics; Society of Toxicology; American Chemical Society; American Institute of Chemists (Fellow) and Professional Program Board Member, 1989-90; The Oxygen Society; American Heart Association; International Society of Exposure Analysis; Undersea Medical Association; National Space Society; International Platform Association; American Association for the Advancement of Science; Society of Microbiology (and others).

SELECTED, SCHOLARLY ACTIVITIES

"In the fields of observation, chance favors only the mind that is prepared- Louis Pasteur"

Society for Free Radical Biology and Medicine, invited judge for the past 10 years for scientific abstracts for presentations at the annual meeting of the Society, each year from 2004-2013.

Invited Scientist in Residence (honorary, non-paid), Cancer Research Center, Research Laboratory Director, Dr. Abraham Eisenstark, Columbia, MO, 2007.

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave. Lexington, MA 02421-3136. Invited peer reviewer (August 29, 2008) for External Peer Review of the Draft Provisional Toxicity Value (PPRTV) Manuscript for o-Chloronitrobenzene developed for the Superfund Health Risk Technical Support Center (STSC). Provisional values for chronic and subchronic RfD and RfC, and provisional Cancer Oral Slope Factors were reviewed. [The U.S. EPA seeks comprehensive external peer review that evaluates the scientific justification, clarity and objectivity of the PPRTVs.]

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave. Lexington, MA 02421-3136. Invited peer reviewer (March 8, 2007) for External Peer Review of the Draft Provisional Toxicity Value (PPRTV) Manuscript for 4-Chlorobenzotrifluoride developed for the Superfund Health Risk Technical Support Center (STSC). Provisional values for RfD, RfC for cancer and provisional RfD value and subchronic/chronic p-RfC values were reviewed.

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136; invited peer reviewer for the External Peer Review of Bifenox July, 2006.

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136; invited peer reviewer for the External Peer Review of the Draft Provisional Peer-Reviewed toxicity Value (PPRTV) Manuscript for Iron and Compounds Developed for the Superfund Health Risk Technical Support Center (STSC), May, 2006.

NIEHS/NIH (National Institute of Environmental Health Sciences and National Institutes of Health). Extra Mural Research and Training, Scientific Review Branch, Research Triangle Park, NC 27709 Invited peer reviewer of certain applications in response to Superfund Basic Research and Training Program (SBRP) at Research Triangle Park, Fall, 2005 Review responsibilities included for combustion-generated nanoparticles, xenobiotics, asthma, free radicals, heavy metals, arsenic, vinyl chloride (other information proprietary).

For the ATSDR by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136. February, 2005 peer review of research relied on by the Agency for Toxic Substances and Disease Registry (ATSDR) Toxicological Profile for Tin. [Toxicological Profiles summarize and interpret data on the occurrence of adverse effects of chemicals commonly found at Superfund sites and the levels of exposure that may bring about these effects The primary audience is health professionals and the informed public.]

NIEHS/NIH (National Institute of Environmental Health Sciences and National Institutes of Health). Extra Mural Research and Training, Scientific Review Branch, Research Triangle Park, NC 27709. Invited peer reviewer of certain applications in response to Superfund Basic Research and Training Program (SBRP) at Research Triangle Park, Fall, 2004 (other information proprietary).

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136; invited peer reviewer for the Risk Assessment Papers for: Provisional Subchronic RfD, Subchronic and Chronic RfCs, and Feasibility for Derivation of a Provisional Toxicity Value for a Carcinogenicity Assessment for Chlorine for the Superfund Health Risk Technical Support Center, for the chemical Chlorine (CASRN 7782-50-5) April 9, 2004.

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136; invited peer reviewer for the Feasibility for Derivation of a Provisional Toxicity Value for a Subchronic or Chronic RfD for two chemicals: anilinobenzothiazole (1843-21-6) and for benzothiazole (95-16-9), for the U.S. Environmental Protection Agency's National Center for Environmental Assessment (NCEA) for use by NCEA's Superfund Health Risk Technical Support Center (03/02/2004).

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136; invited peer reviewer for the Provisional Toxicity Values Issue Papers for the Superfund Health Risk Technical Support Center, for the chemical: dimethylphenethylamine (phentermine) relative to RfD, RfC, and carcinogenicity (1/30/2004).

Peer Reviewer for Microbiology Fellowship Program, invited by the EPA for February 9, 2004, Washington D.C., but I was unable to attend

Society for Free Radical Biology and Medicine, invited judge for scientific presentations at the annual meeting, 2003.

Frontiers of Bioscience, invited to the Managing Editorial Board July 2003, with responsibility for submissions in the area of the biology of oxygen including basic sciences and medicine Frontiers of Bioscience is a peer reviewed biology and medical journal and virtual library on the Web [<http://www.bioscience.org>], dedicated to bringing up-to-date information in science to biologists and physicians

For the ATSDR by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136; August 8-21, 2003 Peer review of the Agency for Toxic Substances and Disease Registry (ATSDR) Draft Toxicological Profile for Tin (work assignment 39 under ATSDRA Contract 2000-1999-00058). [Toxicological Profiles summarize and interpret data on the occurrence of adverse effects of chemicals commonly found at Superfund sites and the levels of exposure that may bring about these effects. The primary audience is health professionals and the informed public.

For the ATSDR by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136; August 1-14, 2003. Peer review of the Agency for Toxic Substances and Disease Registry (ATSDR) Draft Toxicological Profile for Zinc (work assignment 39 under ATSDRA Contract 2000-1999-00058).

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136. Peer review of US Environmental Protection Agency's provisional toxicity assessment issue paper for the Health Effects Assessment Summary Table (HEAST) for benzoic acid, July 15-31, 2003.

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136. Peer review of US Environmental Protection Agency's provisional toxicity assessment issue paper for the Health Effects Assessment Summary Table (HEAST) for dichloroprop, July 15-31, 2003.

Media Consultant, various national and international news sources and programs (TV and print) including on-the-air, relative to weapons of mass destruction, 2002-2003

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136. Peer review of US Environmental Protection Agency's provisional toxicity assessment issue paper for the Health Effects Assessment Summary Table (HEAST) for o-Chloronitrobenzene, July 2002.

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136. Peer review of US Environmental Protection Agency's provisional toxicity assessment issue paper for the Health Effects Assessment Summary Table (HEAST) for p-Chloronitrobenzene, July 2002.

For the EPA by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136. Peer review of US Environmental Protection Agency's provisional toxicity assessment issue paper for the Health Effects Assessment Summary Table (HEAST) for 2-Nitroaniline, July 2002.

Fund for the Improvement of Postsecondary Education (FIPSE), peer reviewer, March 2002.

For the ATSDR by Eastern Research Group (ERG), 110 Hartwell Ave., Lexington, MA 02421-3136; 05/10 to 05/15/2000; Peer review of the Agency for Toxic Substances and Disease Registry (ATSDR) Draft Medical Management Guideline on Ammonia, Task order 4 under ATSDRA Contract 2000-1999-00058.

For the NIEHS: Selected to peer review 10 Superfund Basic Research Program grant applications totaling more than \$250 million dollars, Research Triangle Park, prior to and during meeting, September 24-28, 1999 The programs reviewed were: (1) Toxic Metals in the Northeast: From Biological to Environmental Implications, J. Hamilton, Principal Investigator (PI), Dartmouth Medical School; (2) Genetic/Epigenetic Susceptibility to Superfund Chemicals, M. Costa, PI, New York University School of Medicine; (3) Genetic Determinants of Metal Toxicity and Bioavailability, M. Lieberman, PI, Baylor College of Medicine; (4) Health Hazards from Groundwater Contamination, L. Fischer, PI, Michigan State University; (5) Detection, Bioavailability, and Health Effects of Metals, T. Meehan, PI, University of California, San Francisco; (6) Biomarkers of Exposure to Hazardous Substances, B. Hammock, PI, University of California, Davis; (7) Integrating Human and Ecological Health, R. Kendall, PI, Texas Tech University; (8) Birth Defects Induced by Hazardous Waste Substances, T. Knudsen, P. Thomas, PI, Jefferson University, Philadelphia, PA; (9) Health Effects and Biodegradation of Complex Mixtures, K. Dixon, PI, University of Cincinnati; (10) Neurotoxic Superfund Chemicals, H. Lowndes, PI, Rutgers- The State University of New Jersey

For the EPA by Eastern Research Group (ERG). Peer review of (draft) Risk Assessment Issue Paper: Derivation of RfD Derivation, and Evaluation of RfC and Cancer for 4,4'-dichlorobenzophenone (CASRN 90-98-2), dated 97-020/6-25-99, EPA contract 68-C6-0041, September 24, 1999.

For the EPA by Eastern Research Group (ERG). Peer review of documents in draft by EPA (Draft Issue Papers for dimethyl sulfide and methyl mercaptan) (EPA contract 68-C6-0041); June, 1999

NIEHS peer review for ARCH (Advanced Research Cooperation in Environmental Health Sciences). This was a series of 8 proposals comprised of multiple programs similar to Program Projects but designed to partner a historically black college or university with a traditionally research intensive university; March 24-25, 1999.

For the EPA by Eastern Research Group (ERG). Peer review of document (Breast Milk) relating to EPA's Hazardous Waste Identification Rule Risk Assessment (Task No. 320, EPA contract 68-W5-0057); December, 1998.

University of Missouri Research Board. Ad hoc peer reviewer of a grant for redox-chemistry and biology, October, 1998.

For the EPA by Eastern Research Group (ERG), August 1998. Review of two internal

proposals for the Environmental Protection Agency, having to do with ambient air toxin monitoring and exposure assessment in an industry-impacted community, and development and evaluation of new time-and health-related monitoring methods for PM 2.5 (air-borne particle) episode prediction.

American Institute of Biological Sciences (AIBS), 1444 Eye Street, N.W., Washington, D.C., March, 1998. Review of: Fermentation, Recovery, and Purification of the Hc Fragment of the *Botulinum* Neurotoxin from *Pichia pastoris* (continuation), for U.S. Army Medical Research and Materiel Command, Fort Detrick, MD, Michael M. Meagher, University of Nebraska, Lincoln.

MU School of Nursing: participant, focus group to develop older adult care.

Naval Medical Research and Development Command, Naval Medical Research Institute, Bethesda, MD, August, 1997. Review of: Milton J. Axley, The Role of Gene Expression in Hyperbaric Oxygen Tolerance.

American Institute of Biological Sciences (AIBS), 1444 Eye Street, N.W., Washington, D.C., October, 1997. Review of two proposals for the U.S. Army Medical Research and Materiel Command (AMRMC): (1) Stabilized Crystalline Organophosphorus Hydrolase for use as Additive in Topical Skin Protection, C. Govardhan, Altus Biologics, Inc.; (2) Development of Protective Agents Against Sulfur Mustard-Induced Skin Lesions, Uri Wormser, Hebrew University.

United Information Systems, Inc. Bethesda, Maryland, September, 1996: Peer review for USAMRMC of Breast Cancer Research Program of 56 proposals in the area of Clinical and Experimental Therapeutics (Idea Awards, Research with Translational Potential Awards, and Postdoctoral, Predoctoral and Sabbatical Awards), with specific responsibility for: (1) Charles P. Martucci, Ph.D., Strang Cancer Research Institute, NY, NY. Role of nitric oxide in breast cancer; (2) Arpad A. Vass, Ph.D., Oak Ridge National Laboratory. A study of the inhibitory effects of a bacterial preparation on carcinoma cells; (3) David Scott Lind, M.D., University of Florida, Veterans Administration Medical Center and Cancer Liaison, Gainesville; (4) Prashant JC. Department of Pharmaceutical Sciences, University of Maryland, Baltimore. Targeting breast tumors with redoxactive prodrugs; and (5) Miles P. Hacker, Department of Pharmacology, University of Vermont, Oligotrophic microbes as a source of erbB21 and erbB3 inhibitors for chemotherapy of breast cancer.

American Institute of Biological Sciences (AIBS), 1444 Eye Street, Washington, D.C., April, 1996: Review for USAMRMC of four proposals: (1) Jouni Uitto, MD, PhD, Thomas Jefferson University, "Mechanics and treatment of junctional epidermolysis bullosa: relevance to military readiness"; (2) Tamar Kadar, DSc., Israel Institute for Biological Research, "Skin injury associated with epidermolysis bullosa and its relation to sulfur mustard

Research and Development 100 Awards: Judge for categories of bioscience, safety equipment, environmental sciences and consumer products; March-November 1996 and 1999.

American Institute of Biological Sciences (AIBS), 1444 Eye Street, NW., Washington, D.C., February 2 to March 13, 1996 Participant on the Chemical Defense Peer Review panel to the USAMRMC, for the following projects: (1) Diagnosis and dosimetry of exposure to sulfur mustard: Development of standard operating procedures, further exploratory research on protein adducts, Hendrick P. Benschop, TNO Prins Maurits Laboratory, The Netherlands; (2) The effects of soman on the pulmonary surfactant system, William D. Currie, Duke University Medical Center; (3) Development of decontamination compounds for therapeutic use on chemical threat wounds, John R. Dankert, HBR Technologies, Hodge, Louisiana; (4) A rapid field method for the detection and quantification of thiodiglycol in urine, Daniel Ehntholt, Arthur D. Little, Inc.; (5) The cytoskeleton and ATP in sulfur mustard-mediated injury to endothelial cells and keratinocytes, Daniel B. Hinshaw, Ann Arbor Department of Veterans Affairs Medical Center; (6) The use of in vivo electron paramagnetic resonance of the skin to monitor exposure to toxic agents, Peter J. Kannam, Advanced Device Technology, Inc.; (7) Origins of inhibition of cholinesterases by organophosphates, Ilkido M. Kovach, Catholic University of America; (8) Cloning, expression, and function of saxiphilin: development of saxitonin-binding proteins, Edward G. Moczdlowski, Yale University School of Medicine; (9) Implications of protein alkylation and proteolysis of vesication caused by sulfur mustard, Marijke A. E. Mol, TNO Prins Maurits Laboratory, The Netherlands; (10) Genetic predisposition for susceptibility of cholinergic defects under anti-cholinesterase treatment, Hermona Soreq, Hebrew University of Jerusalem; (11) Transgenic engineering of cholinesterase: tools for exploring cholinergic responses, Hermona Soreq, Hebrew University of

Jerusalem; (12) Development of newer preventative and therapeutic measures against ocular damage by sulfur mustard, Shambhu D. Varma, University of Maryland at Baltimore

Science and Math Helpline, The Museum of Scientific Discovery, Harrisburg, Pennsylvania, unpaid consultant, February 1996-

Kansas Defense 2000 DEPSCoR (Defense Experimental Program to Stimulate Competitive Research); August, 1995; review of research proposal submitted by University of Kansas.

NIEHS: Peer review of 15 Superfund Basic Science Program Projects involving health effects, remediation, analysis, and detection of water and air borne environmental chemicals; October-November, 1994 at Research Triangle Park, North Carolina: (1) Toxicities of PCBs and PCB remediation products, University of Illinois, Urbana; (2) Lead organochlorines in New York City, Mount Sinai School of Medicine; (3) Multidisciplinary study of PCBs at Akwesasne, University of Albany; (4) Health effects and toxicology of urban hazardous chemicals, Johns Hopkins University; (5) Superfund chemicals: transport, metabolism, and toxicity, University of Kentucky; (6) Microbial detoxication/degradation of hazardous wastes, University of Cincinnati; (7) Superfund toxic substances: exposure and disease, Harvard University; (8) Environmental fate and human exposure to carcinogens, University of North Carolina, Chapel Hill; (9) Superfund Basic Research Center at Boston University, Boston University School of Public Health; (10) Monitoring hazardous waste sites with sentinel species, Louisiana State University; (11) Cornell Superfund Basic Research Education Program, Cornell University; (12) Bioremediation of Superfund Chemicals by white rot fungi, Utah State University; (13) Basic Sciences Superfund Program Project, University of Louisville; (14) Basic Sciences Superfund Program Project, Ana G. Menendez University; (15) Basic Sciences Superfund Program Project, Fort Valley State College.

U.S. Department of Commerce, National Institutes of Standards and Technology, peer review of 20 research proposals for the US Environmental Protection Agency (EPA), for the Environmental Technology Initiative program, FY 1995: (1) Verification of innovative air missions monitoring systems; (2) Demonstration and evaluation of... autonomous underwater vehicles for coastal pollution monitoring; (3) Verification testing... for (testing) underground storage tanks; (4) Verification of low NOx burners; (5) Catalysis for pollution prevention; (6) Comparison of fine resolution satellite imagery; (7) Verification of... particulate and gaseous air cleaners; (8) Environmental technology verification...; (9) Evaluation... of coatings...; (10) Acoustic sensing of buried pipelines; (11) Demonstration Project; (12) A database for improved by-product recovery in the mining industry; (13) Process simulation for pollution prevention in the primary lead smelting industry; (14) Cleaner alternatives to hexavalent chromium...; (15) Biofuels and transportation; (16) Establishment of an area-wide, computer based crop disease forecasting system; (17) Environmental considerations in chemical design...; (18) Environmental technology pollution prevention...; (19) Pollution prevention through electrotechnologies; and (20) Development of a multi-media environmental monitoring... system.

NIEHS Superfund Basic Research, fall, 1991, peer review for seven Program Projects: (1) "Methods to Detect and Predict Human Exposure to Toxic Chemicals", N.Y. Univ.; (2) "Petroleum Wastes", Tulane; (3) "Genetic Risks of Hazardous Compounds", LSU; (4) "Structural Basis of Toxicological Activity", U. Pittsburgh; (5) "Biomarkers of Exposure to Hazardous Substances", UC-Davis; (6) "Chemical Environmental Problems Associated with Mining", U. Nevada; (7) "Health Hazards from Groundwater Contamination", Michigan State University.

NIEHS site visit for review of administrative aspects and scientific progress of the Superfund Basic and Applied Research Program Project: bioremediation using white rot fungi, of Dr. S. Aust at the Biotechnology Center, Utah State University, Logan, Utah, Oct. 29-30 (1990).

NIEHS site-visit peer review team member for SCOR Project Grant: Dr. J. Bonaventura, PI, Duke University Marine Laboratory, 1986 "Marine and Freshwater Biomedical Center Grant."

NIH site-visit peer review team member: Program Project Grant: Dr. T. Wolf, PI, University of California, 1979 "A Study of Wound Healing and Wound Infection."

American Association for the Advancement of Science, reviewer and critic for books, films, videos and computer web sites with 33 published reviews (1986-present) in Science Books and Films, published by AAAS, Washington, D.C.

American College Testing (ACT) program: question and test item writer for this not-for-

profit organization providing assessment and financial aid services throughout the world to schools, professional associations, and government agencies to more than 2 million people and 30,000 agencies and institutions annually, 1990-92.

Medical College Admission Test (MCAT): questions and test items, 1990-92.

Sabbatical leaves: 1986-87 and 1993-94.

YOU Seminar: Experience I, II, Teaching Assistant, and The Step Beyond, 1986.

Campus Writing Program Summer Workshop Participant: 1986.

Guest Lecturer, Ross University, St. Kitts, West Indies: Virology, 6 weeks, summer 1984, and Microbiology, Toxicology and Pharmacology, summer, 1988.

Medical Mycology Short Course, University of Arkansas, Little Rock, summer 1970.

Member, Graduate Dean's Peer Review Group to assist faculty in applications for grant funds, 1984-87.

Science Judge: 22nd International Science and Engineering Fair, Kansas City, May, 1971, and for the Missouri Academy of Sciences, May, 1978.

Controlled Substances Registration: United States Department of Justice, Washington, D.C. and State of Missouri, for analysis of Schedule I, II, III, IV, and V substances (currently inactive).

Participant, Assessing Environmental Health Risks, Equifax Environmental Health Risk Studies, 1225 I Street, Suite 1200, Washington, D.C (1990).

Registered with National Institute of Justice, National Criminal Justice Reference Service, Rockville, MD.

Reference Scientist: School of Journalism for scientific news articles.

Listed with: NIH/ADAMHA consultant file, through 1998.

Science Fair Judge: Columbia Home School Association, 2001.

**EXPERT WITNESSING AND LEGAL CONSULTING EXPERIENCE
(Principal Cases since Mid-1980s)**

*"Never promise more than you can perform... It is a bad plan that admits of no modification"-
Publilius Syrus*

Attorney firms are listed alphabetically with attorneys identified. Effort has been made to determine current addresses and phone numbers; however, some may have changed recently. Requests for proprietary cases/issues have been respected.

TOTALS BY CATEGORIES FOR CASE WORK:

- 180 recorded cases (18 criminal) in 25 states and 1 in Canada
- Approximately 46% for defense
- Approximately 54% for plaintiff
- 20 trials (including 3 hearings before judges only)
- 16 trials for the defense
- 4 trials for the plaintiff
- 31 depositions
- 18 depositions for the plaintiff
- 13 depositions for the defense
- I was not allowed to testify in only one case and that was reversed on appeal to the Mississippi Supreme Court which found the judge in error [In the Court of Appeals of the State of Mississippi NO. 2007-KA-02197-COA Charles Lepine v. State of Mississippi which is listed under (J) as John Howell, Attorney AT Law. To view the Supreme Court decision, go to: http://www.mssc.state.ms.us/search/searchoptions_decisions.html and insert the search terms: Lepine~Olen~.

Note: Several cases representing several areas of science and relatively recent consultations are boldfaced and are suggested when seeking a reference. [It may be

noted that the list of all cases has been maintained back to the mid-1980s (for completeness) and some phone numbers may not be valid today]. Key words may be searched.

A

ARCCA, Inc. [A series of cases (2006-) Consulting and Opinions for Defense cases (four through 2006) for low-level exposure to benzene with review of medical records, risk assessment, and cause-and-effect determination. Attorneys in West Virginia; further details proprietary.] **D.**

Armstrong and Teasdale (Counselor Mark Sopher), One Metropolitan Square, Suite 2600, St. Louis, MO 63102-2740, (314) 621-5070. Case title: Haines v Continental Grain. [Toxicology Consulting and Opinion for Defense, 1998.] **D.**

Armstrong Teasdale (Counselor Kent Lowry), 3405 W. Truman Boulevard, Suite 210, Jefferson City, MO 65109-5713 (573) 636-8394. Case title: McDowell, et al. v Luttrell, et al.; 12/12/2001 to 03/08/2002 [Toxicology and Microbiology Consulting, on-site Analysis, and Opinion for alleged odor nuisance and deleterious health effects from hydrogen sulfide and other volatile chemicals from confined hog rearing operation, for the Defense with Trial.] **D, T.**

Atwill and Montgomery (Counselors Dan Atwill and Kristen Craver), 16 N. 8th, Columbia, MO 65201, 573-442-3000. Case title: Diane McBryde v. [Golden Corral]. [Microbiology and Toxicology Consulting for the Defense (including review of medical records), and Trial Testimony relative to alleged gastroenteritis and/or diagnosis, and/or consumption of food unfit for human consumption.] **D, T.**

B

Bailey & Riddle LLC (Counselor Mike McDonald), 303 North Holdon, Warrensburg, MO 64093. [Brief Toxicology Consulting for Plaintiff, BAC, Spring, 2003]. **P.**

Baird, Lightner, Millsap & Harpool, P. C. 1901-C South Ventura Avenue, Springfield, MO 65804-2700 417-887-0135. (Counselor Brandon L. Howard, Esq.) [2011 on-going matter for the Defense involving, benzene, PVC pipe, review of human medical records and Toxicology.]. **D.**

Beavers, Graham and Fines Attorneys at Law (Counselor Michelle Coady), 221 West Main Cross, Taylorville, Illinois 62568, (217) 824-3341. [Brief toxicology Consulting about alcohol and a DUI allegation; summer, 2003.] **P.**

Bell and Associates (Counselor Teresa Lewis), 707 Virginia Street, E., Bank One Center, Suite 1204, P. O. Box 1723, Charleston, W. Virginia 25326-1723, (304)345-1700. The firm is now **Bell and Bands LLC**, at 30 Capital Street, P. O. Box 1723. Case title: Jesse Hall v Rite Aid of W. V. [Consulting and Opinion for Microbiology matters (including review of medical records) for the Plaintiff, 1998.] **P.**

Bell & Roper, P.A. (Counselor Hae Kim, no longer with the firm) 2707 E. Jefferson Street, Orlando, FL 32803. (407)897-5150. For the Defense. Alleged food poisoning from restaurant meal contaminated with Salmonella. Microbiology and Toxicology with review of medical records (2011-2012). **D.**

Best, Sharp, Holden, Best, Sullivan & Kempfert (Counselor Douglas E. Stall), OneOK Plaza, 100 W. 5th Street, Ste. 808, Tulsa, Oklahoma 74103-4225, (918)582-1234. Stall is no longer with the Firm, but can be reached at **Latham, Stall, Wagner, Steele & Lehman**, 1437 South Boulder, Ste. 820, Tulsa, OK 74119, (918)382-7523, Case title: Boren v Cargill, Inc. [Toxicology and Microbiology Consulting, Analysis, and Opinion for the Defense concerning odor nuisance and deleterious health effects from hydrogen sulfide, various amines and other chemicals odor and other matters relating to a commercial hog-rearing operation, 1998-1999; case settled pre-trial, 1998.] **D.**

Blackwell, Saunders, Matheni, Weary & Lombardi (Counselors K. Regier and R. Warren) 40 Corporate Woods, Suite 1200, 9401 Indian Creek Parkway, Overland Park, KS 66210, (913)696-7000. [K. Regier and R. Warren, are no longer with the Firm; I believe Counselor Warren may be with Sanders, Conkright and Warren, L.L. P., Suite 200, 6240 W. 135th Street, Overland Park, KS 66223 (913)-647-5370)] Case title: Dixon v CertainTeed, et al., 1995-1996. [Toxicology Consultation and Opinion for the Defense regarding workplace injury involving drugs of abuse use.] **D.**

Bradley, Arant, Rose & White (Counselor David Hymer) 1400 Park Place Tower,

Birmingham, Alabama 35203. The address is now 2001 Park Place Tower, Suite 1400, (205) 521-8000. [Microbiology and Toxicology Consulting and Opinion for the Plaintiff (including review of medical records); alleged gastrointestinal infection (E. coli and/or vibrio) from shellfish (shrimp); case settled without trial.] **P.**

Brady Law Firm (Counselor James E. Brady, III) 801 Vesper Street, Blue Springs, MO 64015 (816)229-9195, Email jbrady@tblf-law.com [Review of medical records for Plaintiff for a foot infection with evaluation of microbiology, antibiotic therapy and surgical infection.] **P.**

Brashear, LLP (Counselor Ronald H. Stave) North Old Mill Road, 711 N.108th Court, Omaha, Nebraska 68154-1714, (402) 348-1000. [2006 Consulting and Opinion with medical records review for the Plaintiff for microbiology and appropriateness of antibiotic therapy.] **P.**

Bremyer and Wise (Counselor Casey Law), P.O. Box 1146, Mcpherson, Kansas. 67460-1143. The Firm is now at 120 W. Kansas Ave., (620) 241-0554. [Toxicology Consultation and Opinion for the Defense regarding drugs of abuse.] **D.**

Brown and James Law Firm (Counselor Jim Maloney) Center City Square, 1100 Main Street, Suite 1900, Kansas City, MO 64105-2153 (816-472-0800) [Defense Consulting for Microbiology Infectious Disease issues (Gastroenteritis)] **D. (2009)**

Burns, Day & Presnell, P.A. (Counselor Lacy M. Presnell III) 2626 Glenwood Avenue, Suite 560, Raleigh, North Carolina 27608, (919) 782-1441. [Consultation with Opinion for the Plaintiff; review of Medical Records for Microbiology/Infectious Disease; *E. coli* meningitis after surgery and Antibiotic Therapy.] **P.** (2009)

C

Campbell, Holt and McCue (Counselor David T. Holt), 23rd Floor Commerce Tower, 911 Main Street, P.O. Box 13085, Kansas City, MO 64199, (816) 471-6630. Case title: Mandacina v. Elf Atochem North America, Inc., et al. [Toxicology Consulting and Opinion for the Plaintiff (including review of medical records) for alleged work-place exposure to hazardous chemicals (solvents), 1998-1999]. **P.**

Campbell, Holt and McCue (Counselors John Campbell and Zachary Reynolds), 911 Main Street, Kansas City, MO 64199, (918)382-7523. Campbell is now at **John H. Campbell LLC**, 4075 Highway 54, Suite 101A, Osage Beach, MO 65065, (573) 302-1122. Case title: S. Bradley v Borden et al., 4/6/92 to 1/15/94. [Liver damage (cirrhosis, requiring transplant) alleged from exposure to solvents in the workplace with toxicology and medical science Consultation, and Opinion (with review of medical records) for workplace occupational exposure; Deposition for the Plaintiff, settled pre-trial]. **P, Dp.**

Campbell, Holt and McCue (address above), (Counselor John Campbell). Case title: Harold and Ann Mitchell v Hill Construction. [Toxicology and medical science Consultation, Deposition and Opinion for the Plaintiff (with review of medical records) for alleged medical problems following chemical contamination of a home; case settled pre-trial, 1994.] **P, Dp.**

Campbell, Holt and McCue (address above), (Counselor John Campbell). Case title: Barbara Streit v Combustion Engineering. [Toxicology and medical sciences Consultation with Opinion, for the Plaintiff, 1998 (with medical records review) for alleged medical problems following workplace exposure to radiation and/or chemical,] **P.**

Carlson and Hellmann (Counselor Kurt Hellman) 17 South Oak Street, P. O. Box 521, Union, MO 63084, (636) 583-8300. [Toxicology and medical science Consulting and Opinion for the Plaintiff (with review of medical records) about causation of diagnosed reactive airways disease syndrome (RADS) following exposure to chemicals and welding fumes]. **P.**

Carpenter Law Office (Counselor M. John Carpenter) 1007 Williams, P.O. Box 1626, Great Bend, Kansas 67530-1626, (316) 793-8274. [Toxicology Consulting, and Opinion for the Defense, involving solvents and a fire.] **D.**

Carpenter, Hein, Carpenter and Weir (Counselor W. F. Ebert), 2110 S. W. Belle Ave., # A, Topeka, Kansas 66614-1746, (913) 273-4170. [Medical science Consultation and Opinion with Analysis by radioimmunoassay of product samples for the Plaintiff, for alleged lack of efficacy of Humulin (human insulin); settled out of court]. **P.**

Carson, Coil, Riley & McMillin (Counselor Chuck McPheeters), P.O. Box 28, Jefferson City, MO 65102, (573) 636-2177. [Toxicology Consultation and Opinion for the Plaintiff (with review of medical records); human and animal toxicity from chemical spray.] **P.**

Chisenhall, Nestrud and Julian (Counselors Janie McFarlin, no longer with firm, and

Jim Julian), 400 W. Capital, Ste 2840, Little Rock, Arkansas 72201, (501) 372-5800. [Toxicology and medical science Consulting and Opinion for the Defense regarding alleged environmental exposure to air-borne substances, including carcinogens (with review of medical records); settled pre-trial.] **D**.

Clark, Perdue, Roberts & Scott (Paul O. Scott), 471 East Broad Street, Suite 1400, Columbus, OH 43215-3853, (614) 469-1400. [Microbiology, medical science Consulting for the Plaintiff on Microbiology and antibiotic therapy/resistance factors with review of medical records, 2004.] **P**.

Comley & Ruth P.C. (Counselor Lanette Gooch) 601 Monroe Street, Jefferson City, MO 65102-0537. [Consulting and Opinion (2008) for the State of Missouri for microbiology and toxicology (adulterants) of unacceptability, on health grounds, of keeping a dog in a pharmacy establishment.] **D**.

Cook, Vetter and Doerhoff (Counselor Dale Doerhoff), 231 Madison St., Jefferson City, MO 65101-3202, (573) 635-7977. [Microbiology and toxicology with air analysis (odor) at a hog farm and Consultation with Opinion for the Defense, contributing to dismissal before trial.] **D**.

Cook, Ysursa, Bartholomew, Brauser and Shevlin, LTD, Attorneys at Law (Counselor Gregory L. Shevlin), 12 West Lincoln Street, Belleville, IL 62220-2085, (618) 235-3500. Case title: R. Gulley v Huff and others. [Toxicology, microbiology and medical science Consultation with Opinion for the Plaintiff; role of exposure to mold species in allergic broncho-pulmonary *Aspergilliosis* and exacerbation of childhood cystic fibrosis (with review of medical records).] **P**.

Cox, Hodgman and Giarmarco, PC (Larry W. Bennett), 10th Floor Columbia Center, 101 W. Big Beaver Road, Troy, MI 48084-5280, (248) 457-7000. [Microbiology, toxicology and medical science for alleged exposure to mold with asthma complication, 2003. Consultation, Opinion, Deposition for the Plaintiff (with review of medical records), case settled pre-trial.] **P, Dp**.

Cox, Hodgman and Giarmarco, PC (Larry W. Bennett), 10th Floor Columbia Center, 101 W. Big Beaver Road, Troy, MI 48084-5280, (248) 457-7000. [Microbiology, toxicology and medical science for alleged exposure to mold, 2005. Consultation and Opinion for the Plaintiff with review of medical records] **P (2007)**.

Cox, Hodgman and Giarmarco, PC (Larry W. Bennett), 10th Floor Columbia Center, 101 W. Big Beaver Road, Troy, MI 48084-5280, (248) 457-7000. [Microbiology, toxicology and medical science for alleged exposure to mold brief Consultation and Opinion for the Plaintiff (with review of medical records)] **P**

Crews and Gaw (Counselor Ralph Gaw), Tipton, MO. Now **Gaw and Teeple PC**, 30416 Highway 5 South, Tipton, MO 65081, (660) 433-5566. [Toxicology and microbiology for Chemical odor and noise pollution at a hog farm with Consultation, Deposition, Opinion, and Trial Testimony for the Defense.] **D, Dp, T**.

Cronan and Messick Attorneys at Law (Counselor J. Michael Cronan) 9233 Ward Parkway, Suite 175, Kansas City, MO 64114-3312, (816) 444-4900. Case title: Curt Ries v National Compression, et al. [Toxicology and medical science Consulting and Opinion, relative to scleroderma (including review of medical records), with Plaintiff Testimony before Administrative Law Judge, Hannibal, MO, 1997.] **P, T**.

D

Denton, Jenner & Walker (Counselor William Denton), Morgan Square, 955 Howard Avenue, Biloxi, Mississippi 39530, (228) 374-8722). [Toxicology and medical science for workplace exposure to chlorine gas (with review of medical records); Consultant and Opinion for the Plaintiff.] **P**.

Donald D. Zuccarello Law Office (Counselor Marcia McShane Watson), Suite 206-Washington Square, 214 Second Avenue North, Nashville, Tennessee 37201, (615) 269-8100. Toxicology and medical science Consulting for the Plaintiff with review of medical records, 2003, regarding radiation exposure and leukemia.] **P**.

Durrett and Coleman (Counselor Gerald A. Coleman) 105 North Avalon, P.O. Box 1667, West Memphis, Arkansas 72303, (870) 735-3735. Case title: McNeely v. Goodner. [Toxicology for blood alcohol concentration and effects thereof at time of a fatal accident; Consultant and Opinion for the Prosecution.] **P**.

E

Eddleman, Clark, and Rosen (Counselor Robert Clark), 4627 N. Central Expressway, Knox Central Place, Suite 2000, Dallas, Texas 75205-4017, (214) 528-2400. Case title: James R. Strain v Cullum Corp., Inc. and Smith Kline Beecham Clinical Laboratories, Inc., Judicial Court, Dallas TX, cause # 92-10184-D, April 1, 1993. [Toxicology with Consulting, Affidavit, and Deposition for the Plaintiff; alleged wrongful drug-of-abuse urine test; case was first handled by Counselor T. Leahy of Leahy and Associates, P.C., 211 Record St., Suite 425, Dallas TX 75202.] **P, Dp.**

Edwards, Singer, Schramm, Watkins, Spoeneman & Waltrip (Counselor Brian L. Harvell), Suite 1600 Clayton Center, 120 South Central Ave., St. Louis, MO 63105-1798, (314)-862-5900). Now at Spoeneman, Watkins, Waltrip & Harvell, L.L. P., 8000 Maryland Avenue, Suite 600, St. Louis, MO 63105 (314)862-1105. [Microbiology and Toxicology: therapy consequences for the antibiotic Tobramycin; Consulting and Deposition for the Plaintiff, on-going case (including review of medical records).] **P, Dp.**

Elk and Elk (Counselor Martin Delahunty), 6110 Parkland Boulevard, Mayfield Heights, Ohio 44124 (1-888-35-6446; 440-442-6677). [On-going case involving a death, allegedly from Meperidine (demerol), pursuant to surgery and respiratory depression with inability to ventilate the patient; Toxicology Consulting and opinion (including review of medical records) for the Plaintiff, 2004] **P.**

Eric L. Lifschitz Attorney at Law (Counselor Eric Lifschitz), 815 Geary Street, Suite 107, San Francisco, CA 94109, (415) 310-3661. [Microbiology, toxicology and medical science (including review of medical records) for Consulting with Opinion for the Plaintiff for alleged exposure to molds, leading to case settlement before trial.] **P.**

Eric L. Lifschitz Attorney at Law (Counselor Eric Lifschitz), 815 Geary Street, Suite 107, San Francisco, CA 94109, (415) 310-3661. [Microbiology, toxicology and medical science (including review of medical records) for Consulting with Opinion for the Plaintiff for alleged exposure to molds, leading to case settlement before trial, 2003.] **P.**

Eric L. Lifschitz Attorney at Law (Counselor Eric Lifschitz), 815 Geary Street, Suite 107, San Francisco, CA 94109, (415) 310-3661. [Microbiology, toxicology and medical science (including review of medical records) for Consulting with Opinion for the Plaintiff for alleged exposure to molds, leading to case settlement before trial, 2004.] **P.**

Evenson, Carlin and LePage (Counselor Robert Evenson), P.O. Box 605, Pineville, Missouri 64856. (417) 223-4300. Case title: Holt et al. v Vaughan Brothers, Circuit Court, Newton County, MO. [Microbiology and toxicology for alleged nuisance from odor and related matters from confined laying hen operation (approximately one million birds) with field Analysis, Deposition, Opinion, and Trial Testimony, for the Defense.] **D, Dp, T.**

F

Faegre and Benson (Counselor Jacob Bylund) 801 Grand Avenue, Suite 3100. Des Moines, Iowa 50309-8002. [Brief Consulting for the defense for odor and chemicals relating to hog operation.] **P.**

Faust, Goetz, Schenker & Blee, LLP (Counselor R. Faust) Two Rector Street, 20th floor, New York, NY 10006, (212) 363-6900. [Toxicology and microbiology with review of medical records for the Defense for alleged exposure to the microbiocide (pesticide) Foster 40-20 (IPBC) with Report, Opinion, Trial Testimony.] **D, T (2010).**

Farr, Hickman and Slavin (Counselor Howard Hickman) 101 W. Illinois Street, P.O. Box Drawer J, Kirksville, MO 63501-1086, (660) 665-7224. [Toxicology and medical science for alleged work-related asthma, Consultation, and Opinion for the Plaintiff (with review of medical records); case settled prior to hearing.] **P.**

Feldman & Lehane LLC (Counselor Daniel B. Feldman) 2229 1st Avenue North, Birmingham, Alabama 35203, (205) 241-9669. [(2005) Consulting and Opinion for the Plaintiff with review of medical records for Guillain-barre Syndrome causation.] **P.**

Foley and Mansfield, PLLP (Counselors Gino F. Battisti and Margo E. Miller), Suite 400, Highlands Plaza Drive West, St. Louis, MO 63110, (314) 645-7788. [Toxicology and medical science Consulting on welding and alleged Parkinson's disease (with review of medical records) for the Defense.] **D.**

Ford, Parshall & Baker, LLC. (Counselor Jeffrey H. Blaylock) 3210 Bluff Creek Drive, Columbia, MO 65201-3525 (573-449-2613). [Consulting for Toxicology and risk assessment issues for the Defense for alleged leakage from an underground petroleum storage tank.] D. (2009-2010)

Foust, Strother and Frickleton (Counselor James P. Frickleton), 2390 City Center Square, 100 Main, Kansas City, MO; now at **Bartimus, Frickleton et al.**, 11150 Overbrook, Suite 200, Leawood, KS 66211, (816) 842-2300. Case title: Riden v. Coopers Animal Health, 1991. [Toxicology for human poisoning by rat bait (Brodifacoum, a synthetic Coumadin-like blood anti-coagulate); Consultation (with examination of medical records), Opinion, Deposition, and Trial Testimony for the Plaintiff.] **P, Dp, T.**

Frank P. Voller Attorney at Law (Counselor Frank P. Voller) 1191 Mission 66, Ste. G., Vicksburg, Mississippi 39182 (601-638-8686). [Medical Microbiology Consulting for the Plaintiff with review of medical records for alleged infected allograft.] **P, Dp** (2009-2011).

Fraser Milner Casgrain LLP (Counselor J. Dunbar, Jr. and Reena Goyal) 1 Canadian Place, 100 King St. W. Toronto, Canada ON M5X 1B2. [Consulting for the Defense (2008) with conference call and preliminary Opinion for Toxicology of formaldehyde and other carpet chemicals.] **D. (2008)**

Frickey Law Firm (Counselor Janet L. Frickey) 940 Wadsworth Boulevard, Suite 400, Lakewood, Colorado 80214 (303-237-7373). [Consulting for the Plaintiff in toxicology of a landfill matter with alleged toxic release of gases.] **P.** (2009)

Friedman Law Office (Counselor Terry A. Friedman) 518 Pyramid Way, Sparks, Nevada 89431, (775) 322- 6500. [On-going (2006-) case Consulting with Opinion for the Plaintiff with review of medical records for causation and other matters involving MRSA *Staphylococcus aureus* and antibiotic therapy.] **P.**

Fulbright and Jaworski (Counselors Cody Miller, no longer with firm, and Winstol Carter), 1301 McKenney Street, Houston, Texas 77010, (713) 651-5151. [Toxicology and veterinary medicine for pesticide over-spray of pasture; Consultation, with review of horse medical and autopsy records with Opinion and Trial Testimony for the Defense]. D, T.

G

Giarmarco, Mullins & Horton, PC. (Counselor Larry Bennett) 10th Floor Columba Center, 102 Big Beaver Road, Troy, MI 48084-5280; (248) 457-7022. Consultation for Plaintiff for toxicology issues involving fiber glass including review of medical records (2010). **P.**

Giarmarco, Mullins & Horton, PC. (Counselor Larry Bennett) 10th Floor Columba Center, 102 Big Beaver Road, Troy, MI 48084-5280; (248) 457-7022. Consultation for Plaintiff for toxicology issues involving natural gas and mercaptans including review of medical records **P. (2010-2011).**

Giarmarco, Mullins & Horton, PC. (Counselor Larry Bennett and Geoffrey Wagner) 10th Floor Columba Center, 102 Big Beaver Road, Troy, MI 48084-5280; (248) 457-7022. Consultation for Plaintiff for toxicology issues involving mold including review of medical records (2011). **P.**

Goldstein Law Office, (Counselor Williams), 101Elm, Urbana, Illinois 61801-3325, (217) 367-5411. [Toxicology and medical science for pesticides (Insecticides) Chlordane & Heptachlor with residence contamination; Consultation to evaluate label instructions and medical records; perform Risk Analysis, with Opinion, Deposition, and Trial Testimony for the Plaintiff.] **P, Dp, T.**

Goldstein and Price, L.C. (Counselors Teresa McNail and John Halpern) Suite 1000, One Memorial Drive, St. Louis, MO 63102-2449, 314-421-0710. [Toxicology Consulting with Deposition, for the Defense, relative to alleged involvement of medication and/or alcohol in a boat crash, 2003-2004]. **D. Dp.**

Goldstein and Price, L.C. (Counselors Teresa McNail) Suite 1000, One Memorial Drive, St. Louis, MO 63102-2449, 314-421-0710. [Toxicology Consulting with Opinion for the Defense, relative to involvement of alcohol in an accident, 2004]. **D.**

Goldstein and Price, L.C. (Counselors Gary T. Sacks and Neal W. Settergren). Suite 1000, One Memorial Drive, St. Louis, MO 63102-2449. 314-421-0710. Toxicology Consulting with Opinion, Deposition and report (2007-2008) and scheduled trial for the Defense, relative to involvement of alcohol in a boat accident.] **D, Dp. (2008)**

Goldstein and Price, L.C. (Counselor Robert Nienhuis). Suite 1000, One Memorial

Drive, St. Louis, MO 63102-2449 (314-421-0710). Toxicology Consulting with Opinion, and report (2009) for the Defense, relative to involvement of alcohol in a boat accident.] **D. Dp. (09)**

Goldstein and Price, L.C. (Counselor W. Settergren). Suite 1000, One Memorial Drive, St. Louis, MO 63102-2449 (314-421-0710). [Toxicology Consulting with Opinion, report (2009) and deposition for the Defense, relative to involvement of alcohol in a boat crash near Chicago] D. Dp. (2010)

Grace, Unruh and Pratt (Counselors Corlin Pratt & Brian Grace) 1st & Market Street, Wichita, KS; Now at 155 N. Market Street #501 67202-1819, (316)269-2006. Case title [Dick v Koch Engineering & Roche Lab., 1990 - 92. [Toxicology with extensive Plaintiff Consultation, Deposition, and Expert Witness Testimony at Trial; errors in good laboratory procedures and other matters for drug testing of urine; resulting in punitive damage award]. P, Dp, T.

Grace, Unruh and Pratt, address above, (Counselor Corlin Pratt). [Toxicology with Consultation and Opinion for the Plaintiff regarding drug testing of urine]. **P.**

Grace, Unruh and Pratt, address above, (Counselor Corlin Pratt). [Toxicology with Consultation and Opinion for the Plaintiff regarding drug testing of urine (a case separate from the one listed immediately prior)]. **P.**

H

Hagan, Hamlett and Maxwell LLC (Counselor J. Kevin Hamlett) 210 E. Love, Mexico, Missouri 65265, (573) 581-8373. [2006 review of DUI for defense with Opinion.] **D.**

Hagood & Neumann, L.L. P., Attorneys at Law (Counselor Gene S. Hagood) 1520 E. Highway 6, Alvin, TX 77511 (281)331-5757 and 1-800-632-9404. [K.E. Thomas v. H.E. Butt Grocery Company, et al., 80th Judicial Court, Harris County, TX, with on-going (2005-) review of extensive medical records for the Plaintiff] **P.**

Harvey A. Hoffman Attorney at Law (Counselor Harvey Hoffman) 28 N. 8th Street, Suite 517, Columbia, Missouri 65201. [Consulting for proprietary matters relating to Fentanyl with (2006) review of medical records for the Plaintiff.] **P.**

Hayes, Newmark & Steigerwald (Counselor Michael Waller) One Cityplace Drive, Suite 630, Box 66852, St. Louis, MO 63166, (314) 994-2293; Case title: SAI Acquisitions Corp. v Pioneer Paving and Sealing Co., Inc., 1992-94. [Toxicology for alleged damage to a commercial building interior from chemicals; Consulting and Deposition given for the Plaintiff; case settled pre-trial.] **D, Dp.**

Hawkins, Moody, Bingham & Miller (John S. Bingham) 1397 E. Central Street, Kings Port, TN 37664 (423)246-9100. [Consulting (2006) for the Plaintiff, review of medical records involving antibiotic therapy, erythema multiforme or Stevens Johnson Syndrome, or toxic exposure with opinion.] **P.**

Helfrey, Simon and Jones, PC. (Counselor Phil Graham) 120 South Central Avenue, Suite 1500, St. Louis, MO 63105. (314) 725-9100. Now (2012) Helfrey, Neiers & Jones, pgraham@hnjlaw.com. [Toxicology for the Defense for pesticide case involving Bicep II Magnum, Atrazine, S-metolachlor, and Celatom MP-79, and alleged exposure to humans and horses with review of medical and veterinary medical records and risk assessment]. D, Dp. T. (2008-2009)

Helfrey, Simon and Jones, PC. (Counselor Phil Graham) 120 South Central Avenue, Suite 1500, St. Louis, MO 63105. (314) 725-9100. [Toxicology for the Defense for potential exposure to a chemicals used in cosmetology]. **D.** (2009-2010).

Hendren and Andrae LLC (Counselor J. Kent Lowry), Riverview Office Center, 221 Bolivar Street, P.O. Box 1069, Jefferson City, MO 65101 (573) 636-8135. Case title: Blackburn v Byler/Cargill. Lowry is now with **Armstrong Teasdale LLC**, 3405 w. Truman Blvd., Jefferson City, MO 65109-5713 (573) 636-8457. [Microbiology and toxicology and environmental sciences for Consulting, Analysis, Opinion, for the Defense for alleged nuisance from confined hog rearing operation, 1997-98.] **D.**

Hill, Finkel and King LLP (Counselor Howard King) 602 Sawyer, Suite 450, Houston, Texas 77007, (713) 654-4004. [Consulting and Opinion for on-going (2006-) case involving review of medical records after solvent exposure, for the Plaintiff.] **P.**

Hinshaw and Culbertson, LLP (Counselor Jill McFarland), 1010 Market Street, Suite

1400, St. Louis, Missouri 63101-2046. [Microbiology Consultation for the Defense regarding Histoplasmosis, with review of medical records and Opinion, 2004.] **D.**

Hossley and Associates PLLC (Counselor D. Allen Hossley), 6440 N. Central Expressway, Suite 617, Dallas, Texas 75206. (214) 265-1117. [Microbiology, Toxicology and medical science Consulting and Opinion for the Plaintiff (with review of medical records); alleged health effects from exposure to molds, in the US District Court for the Northern District of Texas-Dallas.] **P.**

Hubbard and Kurtz, Lawyers (Counselor John Kurtz), 1718 Walnut, Kansas City, MO 64108, (816) 472-4673. [Microbiology preliminary Consulting for Plaintiff on mold case transferred to another attorney.] **P.**

J

James E. Dunn & associates, P.E., Attorneys at Law (Counselor James Dunn) 116 South Walker, Oklahoma City, OK 73102 . (402)239-1000. Case title: Hardwick v. Alvis (2005-2006). [Consultation and report for Plaintiff with review of medical records involving nosocomial infection with methicillin resistant *Staphylococcus aureus* (MRSA), antibiotic (ancef) therapy and source of MRSA.] **P, Dp.**

James Law Firm (Counselor J. James), 204 W. Kansas, Suite 103, Independence, MO 64050-3714, (816) 836-5500; office moved to 123 W. Kansas). Case title: Marcella Neal v Warehouse Markets d/b/a Pricechopper, mid to end of 1993. [Microbiology and medical science for alleged infection with *Salmonella* bacteria from contaminated chicken, resulting in death; Consultation with Deposition (with review of medical records) for the Plaintiff; case settled pre-trial]. **P, Dp.**

James Law Firm (address above) (Counselor J. James). Case title: Byrom v Little Blue Valley Sewer District, 1993-94. [Microbiology and toxicology for alleged volatile emissions with odor from municipal sewage treatment facility; Consultation and Deposition given for the Plaintiff.] **P, Dp.**

Janik & Dorman (Counselor Shawn Schlesinger), 9200 South Hills Boulevard, Suite 300, Cleveland, OH 44147, (440) 838-7600. [Toxicology with Consulting and Opinion for the Defense for alleged leukemia from work-place exposure to benzene (with review of medical records); 2004.] **D.**

John A. Howell Attorney at Law (Counselor John Howell). P.O. Box 387, Picayune, Mississippi 39466. [Consulting and Trial (initiated 2006; tried 2007) felony DUI for the Defense.] **D. T. (2007)**

John K. Tucci, Attorney and Counselor (Counselor John K. Tucci) 3415 Hampton Avenue, St. Louis, MO 63105. (314) 534-3600. [Criminal Defense with Opinion for matters relating to the potential effects of Illicit and Ethical Drugs and Alcohol.] (Tucci worked under contract with MO State Public Defender Office.) **D. (2008)**

John K. Tucci, Attorney and Counselor (Counselor John K. Tucci) 3415 Hampton Avenue, St. Louis, MO 63105. (314) 534-3600. [Criminal Defense with Opinion for matters relating to the potential effects of the pharmaceutical agent Clonidine.] (Tucci worked under contract with MO State Public Defender Office.) **D. (2008)**

Johnson, Johnson, Whittle and Snelgrove (Counselor James E. Whittle, Jr.) 117 Pendleton Street, N.W., Aiken, South Carolina 29802-2819, (803) 649-5338. [Consulting for the Defense for criminal matter involving various medications and/or drugs, with review of various testing procedures and protocols.] **D. (2006-2007)**

Joyce and Pollard (Counselor Mark Graddy) 515 South Main Street, Suite 300, Tulsa, Oklahoma 74103-4475, (918) 585-2751). [Consulting for on-going (2006-) case with family exposed to Carbon Monoxide in the home; review of medical records for causation and assessment of risk.] **P. (07)**

K

Kapke & Willereth LLC (Counselor Jacob M. Doleshal) Suite 250, 221 West Lexington Street, P.O. Box 180, Independence, MO 64015. [Consultation and Opinion for the Plaintiff: Toxicology with review of analysis data and medical records relating to exposure to the pesticide (herbicide) paraquat.] **P. (2008-09)**

Keehner, Cannady & Katz, P.C. (Thomas B. Cannady), 508 South Jackson Street,

Belleveille, IL 62222, (618) 233-0529. [Microbiology, Toxicology, and medical science with Consulting for the Plaintiff, (including review of medical records); regarding source of gastrointestinal, microbiological infection.] **P.**

Keith P. Gray, Attorney at Law (Counselor Keith Gray), 3315 Olive Street, St. Louis, MO 63103, (314) 535-0162. July, 2002. [Toxicology and medical science with Consulting for the Plaintiff for alleged health effects from welding exposure to sulfur compound (including review of medical records); case settled prior to deposition.] **P.**

Kenneth K. Schmitt (Counselor Kenneth Schmitt) 105 Concord Plaza, Suite 209, St. Louis, Missouri 63128, (314) 729-1049. [Consulting and Deposition for Microbiology: mold in a home, for the Defense; case settled just before scheduled trial]. **D, Dp. (07)**

Koshner, Alan J., St. Louis, MO (314) 421-1008 [Counselor Koshner became an independent consultant for Flannigan Law Office, but I believe he is now with the claims services of AG Edwards, One N. Jefferson Ave., St. Louis, MO 63103 (314)955-4547]. [Toxicology for criminal case involving Consulting, Laboratory Analysis, and Opinion, relative to amphetamine and methamphetamine for the Defense.] **D.**

L

Lakin Law Firm (Counselor Lon Weaver, no longer with firm; speak to Counselor Burke) 251 Old St. Louis Rd., Wood River, IL 62095-0027, (618) 254-1127. Case title: K. Nicholson v Shell Oil Co. et al., 1992-94. New address is: 301 Evans Ave., P.O. Box 229, Wood River, IL 62095. [Toxicology for alleged work-place benzene exposure and adverse health effects (leukemia), including review of medical records, with Plaintiff Consultation, Opinion, and Deposition; case settled pre-trial.] **P, Dp.**

Lakin Law Firm (see above). Case title: D. & K. Wilhold v Consolidated Rail Corp. et al., 12/01/92 to 05/04/93. [Toxicology for Consultation including reviewing documents, videotapes, and medical records, with Deposition and Opinion for the Plaintiff, relating to exposure to, and alleged toxicity from, diesel fumes and excessive noise.] **P, Dp.**

Lakin Law Firm (see above). Case title: J. Davis v. Courtauds Coatings, Inc. [Toxicology for alleged exposure to welding fumes and paint with upper respiratory complaints (including review of medical records); Plaintiff Consulting and Opinion, 1997.] **P.**

Lakin Law Firm (see above), (Counselor Burke). Case title: Theresa Will v Amoco Oil Co. [Toxicology with Consulting and Opinion for the Plaintiff, 1998.] **P.**

Lakin Law Firm (see above), (Counselor Patrice A. Zimmer, no longer with the Firm; speak with Counselor Burke). Case title: David Willeford, deceased, v Wilson's House of Suede, Inc., et al. [Toxicology Consulting with medical records review and Opinion for the Plaintiff; alleged poisoning from leather goods chemical spray; case settled before trial.] **P.**

Lampkin, Kell, Fagras, Linsom, & Buehler (Counselor J. Mark Kell, Esq.) 5770 Mexico Rd., Suite A, St. Peters, MO 63376. 636-757-1700 (jmkell4700@yahoo.com) [On-going (2011) Defense, with report, involving a work place accident, marijuana, and urine testing (drug of abuse).] **D. Dp.**

Law Office of Brent D. Cook (Counselors Brent Cook and Curtis L. Wright) 202 Ann Street, P.O. Box 425, Greenville, CA 95947, 530-284-1529. [Consulting and toxicology Opinion (2007- 2008) for exposure to **copper** in drinking water and development of several medical issues, for the Plaintiff.] **P. (8)**

Law Office of Michael K. Kielty, Attorney at Law. (Counselor Michael Kielty) 201 North Kingshighway, St. Charles, MO 63301 (636)940-7771. Consulting and Opinion for the Plaintiff relative to ethanol and DWI charge. **P.**

Law Office of Todd N. Hendrickson (Counselor Todd N. Hendrickson), 7777 Bonhomme Avenue, Suite 2250, Clayton, MO (314) 721-8833. Case date: March 2002. [Toxicology Consulting (including review of medical records) with Opinion provided to the Plaintiff, alleged exposure to Taktic (a mitocide).] **P.**

Leland Smith Law Firm (Counselor Leland Smith), 309 N. Main, St. Charles, MO 63301, (636) 947-7727. Case title: Gilmer v. United Coatings, Inc. and Wal-Mart, 1997. [Proprietary Consulting for the Plaintiff, 1997.] **P.**

Leonatti & Baker (Counselor Louis Leonatti) 123 East Jackson, P.O. Box 758, Mexico, MO 65265-0758. (573) 581-2211/(800)-385-0026. Case title: Fuemmeler v. Central Soya, 1998.

[Veterinary Medical Consulting and Opinion for the Defense, regarding loss of milk production, resulting in dismissal of case, 1998.] **D.**

M

Mann, Walter, Burkart, Weathers, and Walter (Counselor Glenn A. Burkart) Suite 600, 300 John Q. Hammonds Parkway, Springfield, MO 65806-2593. Now **Burkart and Hunt**, 242 S. National Ave., Springfield, MO 65802-3419, (417-864-4906). [Toxicology and microbiology for alleged misuse of pesticide (insecticide) in a residence, with Consulting, home Inspection (mold found) and Opinion, for the Defense, case settled just before trial.] **D.**

Mathis, Marifian, Richter and Grady, LTD (Counselor Deanna L. Litzenburg) 23 Public Square, Suite 300, P.P. Box 307, Belleville, Illinois 62220, (618-234-9800). [Consulting for on-going case (2006-) for the Defense, with review of medical records for causation involving ingestion of a possible toxin.] **D.**

McAnany, Van Cleave & Phillips, P.C. (Counselor Byron Bowles) 515 Olive Street, Suite 1501, Saint Louis, Missouri 63101. (314)-621-1133. [For the Defense, Microbiology and Toxicology with review of medical records. Alleged poisoning by morels (mushrooms-fungi) with purging and other symptoms.] **D. (2012)**

McCarty Wilson (Counselor Thomas Patrick Ryan) 2200 Research Boulevard, Suite 500, Rockville, Maryland 20805 (301-762-7700). [Toxicology consulting for the Plaintiff; exposure to chemicals (including benzene with diagnosed AML) at a Superfund waste site; cancer risk assessment with review of medical records.] **D. (2009)**

McIntosh Law Firm (Counselor William McIntosh) 1125 Grand Blvd., Suite 1800, Kansas City, MO 64106-2506. [Toxicology consultation for Plaintiff with review of medical records]. **P (2011)**

McIntosh, Sawran, Peltz & Cartaya, P.A. (Counselor Robert Peltz) 19 W. Flagler Street, Suite 920, Miami, FL 33130-4410 (305-381-8922). [Consulting for proprietary issues for Toxicology, risk assessment and safety issues for benzene for the Defense] **D. (2009)**

McIntosh, Sawran, Peltz & Cartaya, P.A. (Counselor Robert Peltz) 19 W. Flagler Street, Suite 920, Miami, FL 33130-4410 (305-381-8922). [Consulting for proprietary issues for Toxicology issues for a fire aboard a vessel, for the Plaintiff] **P. (2009)**

McCuskey, Lowell, Law Office (Counselor Rita R. Starnes, no longer with the Firm), Linn State Bank Building, P.O. Box 800, Linn, MO. 65051. The Firm is now at 206 E. Main, Linn, MO 65051 (573-897-3607). [Microbiology and toxicology Consulting; alleged odor from a small hog-rearing operation, for the Defense]. **D.**

McNaughton & Bonner, P.L.L.C. (Counselor Mark Bonner), 110 N. Independence, P.O. Box 5879, Enid, Oklahoma 73702, (580) 233-5555. Case date, October 2002. [Brief microbiology Consulting for the Plaintiff relative to exposure to mold.] **P.**

MFA Law Department (Counselor J. Brian Griffith), 616 Locust Street, Columbia, MO 65201, (314) 876-5226. Case title: Aherns et al. v MFA Incorporated, 11/13/92 to 12/31/95. [Toxicology and microbiology Consulting, Analysis, Opinion and Trial Testimony for the Defense. For the approximately \$4 million research, breeding and production facility of the Missouri Farmer's Association, near Marshall Missouri. It is a concentrated hog-rearing operation (yearly capacity, approximately 6,480 hogs), also with beef cattle on site, with two lagoons (the largest, approximately 26 million gallons with forced aeration); for alleged volatile emissions, dust, odor, nuisance and related matters.] **D, T.**

Meyers Law Firm L.C. (Counselor Andrew H. McCue) 222 West Gregory, Suite 340, Kansas City, Missouri 64113 (816-444-8500). [Consultation for proprietary issues involving Toxicology.] **P.**

Michael Cronan, P.C., Attorney at Law. (Counselor J. Michael Cronan), 510 West 123rd. Terrace, Kansas City, Missouri 64145, (816) 943-1100. Case date, fall 2001. [Brief Engineering Consulting and Opinion for the Plaintiff regarding pressure effects in automobile tires (relevant because of my extensive experience with high pressure and gases in my research)]. **P.**

Moser, Marsalek, Carpenter, et al. (Counselor John J. Horgan, deceased), 314 N. Broadway, Suite 360, St. Louis, MO. Now Moser and Marsalek, 200 N. Broadway #700, St. Louis, MO 63102-2753, (314) 421-5364. [Toxicology for train derailment with spill of Chromite ore (heavy metal); Chemical Analysis, Opinion, for the Defense, settled out of court.] **D.**

Mound Cotton Wollan & Greengrass (Counselors P. Danner, M. Katz, and S.

Torrini) One Battery Park Plaza, 9th Floor, New York, NY 10004. 212-804-4212. [Consulting for the Defense with Opinion and Report (2007-2009) for toxicology of the fungicide 3-Iodo-2-propynyl butylcarbamate.] D. (2008-2009)

Mound Cotton Wollan & Greengrass (Counselors P. Danner, M. Katz, and S. Torrini) [One Battery Park Plaza, 9th Floor, New York, NY 10004. 212-804-4212. [Consulting for the Defense with preliminary Opinion (2008) for toxicology of manganese.] D.

Mound Cotton Wollan & Greengrass (Counselors P. Danner, M. Katz, and S. Torrini) One Battery Park Plaza, 9th Floor, New York, NY 10004 (212-804-4212). [Consult for the Defense with preliminary Opinion (2008) for toxicology of lead.] D.

Mound Cotton Wollan & Greengrass (Counselors P. Danner, M. Katz, and S. Torrini) One Battery Park Plaza, 9th Floor, New York, NY 10004 (212-804-4212). [Consult for the Defense with preliminary Opinion for toxicology of formaldehyde.] D. (2008-2009)

Murane and Bostwick, LLC, Attorneys at Law (Counselor Kathleen B. Dixon) 201 N. Wolcott, Casper, Wyoming 82601 (307-234-9345). [Case title: WC case No. 20004-109080. (2005-2006) for the plaintiff involving review of medical records with opinion and report.] P.

N

Newman Conley & Ruth (Counselor Lanette Gooch) 601 Monroe Street, Jefferson City, MO 65102-0537 ((573-634-2266) [Consultation for Toxicology, Microbiology, and sanitary issues relating to an animal in a Pharmacy.] P. (suit brought by State of Missouri),

O

Office of the Public Defender (Counselor Randall J. Schleger, no longer there), Capital Defense Division Western Dist., Suite 410, 505 E. 13th Street, KC, MO 64106, (816) 471-8282. Now at: 818 Grand, Suite 300, Kansas City, MO 64106. [Engineering with analysis of sound; Murder Case with Affidavit and Opinion for the Defense, about February, 1991.] D.

Office of the Public Defender (Counselor Gail R. Geisy) 105 N. Washington Street, P.O. Box 207, Jerseyville, IL 60252-0207 (no phone no. in my records). Case title: People v D. Cullen, Jr., Case # 91-CF-118, Jersey County, IL. [Toxicology with Consult for the Defense with Opinion for drunken driving accident with lethal injury in a Criminal Case]. D.

Office of the Public Defender (Counselor Carrie Gerisher) MO Public Defender System, Trial Division 12 A, Highway 72 East, Suite 7, Rolla, MO 65401 (573-368-2260). [Consulting for Criminal Defense for issues relating to aggression and other Toxicological issues for drugs of abuse and/or alcohol.] D. (2009)

Office of the Public Defender (Counselor Courtney Wachal) 1314 Webster Street, West Plains, MO 65775 (417-257-7224). [Consulting and Opinion for Criminal Defense concerning aggression and other potential effects of drugs of abuse and alcohol.] D. (2009).

Office of Public Defender (Counselor Karen Klingbeil) Trial Division, 115 Lincoln Street, Carthage, MO 64834, 417-359-8489. [2011 Criminal; for the defense; involving vehicle accident and drugs of abuse; Toxicology with Deposition]. D., Dep (2011)

Office of the Public Defender (Counselor Brian Wooley), Trial Division-District Office Area 25, 1212-A HWY. 72 East, Suite 4, Rolla, MO 65401, [Criminal case for the defense: Drugs and alcohol relative to manslaughter and an automobile accident.] D. (2010)

Office of the Public Defender (Counselor Erin Hemsoth) Trial Division, 110 S. Limit, Sedalia, MO. 65301 (660) 530-5545.[Criminal matter involving toxicology: drugs of abuse and alcohol and an accident]. D

Office of the Public Defender (Counselor Joshua W. Peter) Missouri State Public Defender System Trial Division, Oak Tower, 20th Floor, 324 East 11th Street, Kansas City, Missouri 64106-2417, (816) 889-2099. [State of Missouri v. Eric T. Williams, for the criminal defense, medical records and drugs of abuse screening records reviewed with oral report.] D. (2012)

Office of the Public Defender (Counselor Heather Vodnansky) 210 Adams Street, Jefferson City, MO 65101, (573) 526-3266, [State of Missouri v. Damien Bryant, for the criminal defense, medical records and drugs of abuse screening records reviewed.] D.

Oliver & Reichel, PA (Counselor Mike Oliver) 11020 King Street, Suite 215,

Overland Park, KS 66210. (913) 498-8814. Consultation, Opinion, and Deposition (taken twice for different case aspects) for the Plaintiff: Microbiology/Infectious Disease, Antibiotic Therapy, Medical Records Review and deficiencies in laboratory testing procedures for Group B strep (GBS) infection related to pregnancy and delivery.] **P, De. (2008-09).**

Oliver & Reichel, PA (Counselor Mike Oliver) 11020 King Street, Suite 215, Overland Park, KS 66210. (913) 498-8814. [Consultation, Opinion for the Plaintiff with review of Medical Records including Histology/Pathology/Medical /Laboratory Procedures.] **P. (2008)**

Orgain Bell and Tucker (Counselor Casey P. Marcin) 10077 Grogan's Mill Road, Suite 500, The Woodland's Texas 77380 (281-296-8877) [Defense of a Medical Center, Infectious Disease and related issues, with review of medical and laboratory records.] D. (2009)

P

Paulk Law Firm, P.C. (Counselor Melanie B. Bradford) 231 South Market Street, Scottsboro, AL 35768. 256-574-6060. [Consulting and Opinion for microbiology and toxicology of mold and mycotoxins (2008) for the Defense.] **D. (2007-08)**

Payne & Jones (Counselor James J. Cramer), College Boulevard at King, 11000 King, P.O. Box 25625, Overland Park, KS 66225-5625, (913) 469-4100 [office also at 3145 Broadway, KC, MO, (816) 960-3600. Case initiated in 2001. [Microbiology with Consulting and Opinion for the Defense, alleged outbreak of gastrointestinal illness involving more than 150 individuals (with review of medical records)] **D.**

Polsinelli, White, Vardeman and Shalton (Counselor Joseph R. Colantuono, no longer with the Firm), Lighton Plaza III, 7500 College Boulevard, Suite 750, Overland Park, KS 66210, (913) 451-8788; now **Polsinelli, Shalton & Welte**, 700 W. 47th. Street, Suite 1000, Kansas City, MO 64112. [Toxicology with Consult and Opinion for Defense about air pollution, case dismissed at early stage.] **D.**

Proprietary: Consultation, Microbiology (Salmonella) matter involving alleged food infection, for the defense). **D** (2011).

Proprietary (Missouri): Consultation and Opinion for the Defense. [Toxicology for Murder Case, 2002.] **D.**

Proprietary (Kentucky): Brief Consultation and Opinion for the Plaintiff. [Toxicology for alleged therapeutic drug overdose death, 2004.] **P.**

Proprietary (Michigan): [For the plaintiff; Toxicology of sulfur compound; oral report only.] **P. (2010)**

R

Randall & Danskin, P. S. (Counselor David A. Kulisch) 1500 Bank of America Financial Center, 601 W. Riverside Ave., Spokane, Washington 99201-0653 (509)747-2052. [(2005-2006) case for the plaintiff involving chlorine exposure and medical injury.] **P.**

Ressler & Tesh (Counselor Michael J. Maddux, Esq. and Tim Tesh, Esq.) Exchange Building Penthouse Suite, 821 Second Avenue, Seattle, WA 98104-1540, 206-388-0333. [2011 on-going. Plaintiff case involving Medical malpractice , sepsis, MRSA, antibiotic therapy with co-morbidities]. **P.**

Richard D. Loffswold, Jr., P.A. (Counselor Richard D. Loffswold, Jr.), 105 E. Prairie, P.O. Box 163, Girard, Kansas 66743. (620) 724-4115. Summer 2004. [Toxicology consulting relative to alcohol for the Plaintiff]. **P.**

Regas, William T., Law Offices (Counselors John Walter and Linda Kitsiavelos, both no longer with the Firm, and I believe the Firm name has changed), 123 South Northwest Highway, Park Ridge, Illinois 60068-4228, (847) 825-1007. Case title: Consolidated Mink ranch v Schering Corporation, 10/19/1990 to unrecorded date. [Microbiology and toxicology for alleged failure of an animal (mink) viral vaccine involving Consult (with Evaluation of Good Laboratory Procedures and potential failure to follow Label Instructions) and Opinion, and Deposition for the Plaintiff; settlement at trial with my presence, in Chicago.] **P, Dp.**

Reynolds Law Firm (Counselor Zack Reynolds) Two South Judson, Fort Scott, KS 66701. (620) 223-1818. [On-going Toxicology Consultation for the Plaintiff for case

involving severe allergic reaction to the pharmaceutical Lamictal with review of medical records.] P (2011)

Robert S. Flavin, P.C, Attorney and Counselor at Law (Counselor Robert Flavin) 5770 Mexico Road Suite A, St. Peters, MO 63376. 636-946-3260. [Consultation with Opinion and written Report (2008) for infectious disease and toxicology of bacterial toxins, septic shock and action of antibiotics, report prepared, for the Plaintiff. **P. (2008)**

Rosenblum, Schwartz, Rogers, & Glass, P. C. (Counselor John Rogers) 120 S. Central, Suite 130, Clayton, MO 63105-4332. [Criminal case for the Defense: alcohol related to issues of impairment for other than driving, with report; case pled to lesser, miss-demeanor offense.] **D. (2010)**

Ryan Bisher Ryan, Attorneys at Law (Counselor Rick W. Bisher) 4323 N.W. 63rh Street, Suite 110, Oklahoma City, OK 73116-1513 (405-528-4567). [Consulting with Opinion (2007-2008) with review of Medical Records for Microbiology and Toxicology of microbial toxins from surgical infection and effects of Antibiotic Therapy for Plaintiff.] **P. Dp. (2008-2010).**

Ryan Bisher Ryan, Attorneys at Law (Counselor John Langford) 4323 N.W. 63rh Street, Suite 110, Oklahoma City, OK 73116-1513. 405-528-4567. [Consulting with Opinion (2007-2008) with review of Medical Records for Microbiology Infectious Disease issues for Plaintiff.] **P. (2009)**

S

Sanders, Konkright and Warren, L.L.P. (Counselor Derek W. Miller), 9401 Indian Creek Parkway, Suite 1250, Overland Park, Kansas 66210, (816)942-6100. [Toxicology, summer 2003, with Consulting, and Opinion regarding marijuana and a fatal traffic accident; for the Defense. (Note: I have listed this as a defense case because the hiring attorney represented an insurance company in a case involving an insured person who allegedly was using drugs); case settled just prior to scheduled deposition.] **D.**

Sanders, Konkright and Warren, L.L.P. (Counselor Sean Edwards), 9401 Indian Creek Parkway, Suite 1250, Overland Park, Kansas 66210, (816)942-6100. [Toxicology, winter 2003, with Consulting, and Opinion regarding marijuana and alcohol a traffic accident; for the Defense (Note: I have listed this as a defense case because the hiring attorney represented an insurance company in a case involving an insured person who allegedly was using drugs). **D.**

Sanders, Konkright and Warren, L.L.P. (Counselor Sean Edwards and Roger Warren), 9401 Indian Creek Parkway, Suite 1250, Overland Park, Kansas 66210, (816)942-6100. [S. M. Barton, et al. v. C. D. Blackburn et al., truck-pedestrian accident allegedly involving alcohol; review with Opinion for the Defense.] **D.**

Sanders, Konkright and Warren, L.L.P. (Counselor Sean Edwards), 9401 Indian Creek Parkway, Suite 1250, Overland Park, Kansas 66210, (816)942-6100. [Toxicology (2003) with Consult and Opinion, regarding marijuana and alcohol and a traffic accident, for the Defense. (Note: I have listed this as a defense case because the hiring attorney represented an insurance company in a case involving an insured person who allegedly was using drugs). **D.**

Sandra L. Larson, Attorney (Counselor Sandra L. Larson), 8031 N. Academy Blvd., Colorado Springs, CO 80920-3922, (719) 534-9905. Case initiated 2002. [Toxicology with Consulting, Opinion, and Testimony by telephone at Hearing for Olympic cyclist accused of drug abuse, for the Defense (unusual circumstances: I took the case because the official lab failed to be thorough)] **P, T.**

Schlueter, Mandel and Mandel (Counselor Michael J. Schlueter) Eleven O Eight Building, 1108 Olive Street, St. Louis, Missouri 63101, (314) 621-1701. [Consulting with Opinion for on-going case with review for the Plaintiff of medical records for family members with possible exposure to several chemicals from creosote.] **P. (2008)**

Schultz and Little, L.L. P. (Counselor Robert Schultz), 640 Cepi Drive, Suite A, St. Louis, MO 63005-1221 (636-537-4645). [Toxicology Consulting for the Plaintiff, relative to multiple exposures to benzene and other chemicals from drinking water (with review of medical records), 2005-]. **P.**

Seigfreid Law Firm (Counselor Paul A. Seigfreid), 108 North Jefferson Street, Mexico, Missouri 65265-2765 (573)-581-8888. [Microbiology and medical science, 2003) with Consulting, and Oral Opinion for work-place exposure to antibiotic/allergic reaction; for the Plaintiff.] **P.**

Seigfried, Runge, Leonatti and Pohlmeier (Counselor Louis Leonatti; see at **Leonatti and Baker**), 123 E. Jackson Street, Mexico, MO, (314) 581-2211. [Toxicology for pesticide over-spray requiring Consultation with evaluation of medical records in relation to chemical exposure of humans with Deposition and Opinion for the Plaintiffs]. **P, Dp.**

Shook, Hardy and Bacon (Counselor Joseph Gall), now at 129 W. Lexington, Suite 303, Independence, MO 64050, (816) 833-6601), One Kansas City Place, 1220 Main Street, Kansas City, MO 64105-2118, (816)474-6550. [Toxicology, microbiology, engineering for chemical odor and noise pollution; Consultation and Analysis with Trial Testimony for the Defense]. **D, T.**

Shook, Hardy and Bacon, address above, (Counselors W. Zimmerman & J. Gall). Case title: McElheny v. Federal Pacific, Platt County MO. 12/11/90 to 4/13/94. [Engineering with Laboratory testing & Consulting; electrical fire with alleged circuit breaker failure; Defense Deposition and Trial Testimony.] **D, Dp, T.**

Shook, Hardy and Bacon, address above, (Counselor Brent G. Filbert) [Consulting for proprietary Issues relating to Toxicology issues for the Defense]. **D. (2007).**

Sloan, Listrom and Eisenbarth (Counselor Michael Francis) 700 Kansas Avenue, Suite 714, Topeka, KS 66603-3828; (785) 357-6311. Case title: State of Kansas v \$26,280. [Toxicology Consultation with Hearing before judge, for the Defense; return of confiscated money (involved method of detecting drug connection to currency).] **D, T.**

Smith Lewis PC (Counselor John Roark) 111 S. 9th Street, Suite 200, Columbia, MO 65205-0918 (573-443-3141). Toxicology, human toxicity (medical) issues, and veterinary medical issues for dairy herd health alleged from pesticide (the herbicides: picloram, triclopyr, imazapyr, garlon-4, Tordon-k) misuse, with examination of human medical records, animal autopsy reports and laboratory assays for pesticides, for the Defense with Report, Deposition and Trial. **D, Dp. T. (2009-2011).**

Spragens, Barnett, Cobb and Butler PLC (J. Brandon McWherter), 312 East Lafayette Street, P.O. Box 2004, Jackson, TN 38302-2004, (731) 424-0461. [Toxicology for Consult (spring-summer 2003) for the Plaintiff, for alleged exposure to PCBs, dioxins and related chemicals (with review of medical records)]. **P.**

Stanley Goodkin, L. L. C. (Counselor Stanley Goodkin) 7912 Bon-Homme Ave.. Ste 208, St. Louis, MO 63105-3512. [Toxicology relative to mold/fungi.] **P. (2010).**

Susan K. Roach, P.C., Attorney at Law, Westland Place, 14515 Outer Forty North, Suite 255, St. Louis (Chesterfield), Missouri 63017 (314) 434-7272. [Toxicology Consulting, with review of medical records and other documents and Opinion, for the Plaintiff; fall, 2001.] **P.**

T

Taylor Law Firm, P.C. (Counselor Christopher A. Koester) 122 E. Washington Ave., P.O. Box 668, Effingham, IL 62401-0668. 217-342-3925. [Consulting with Opinion (2008) for microbiology and toxicology of **E. coli shiga-like toxin** for the Plaintiff: **food-borne illness**.] **P. (2008-2012).**

Texas A & M System, Office of the General Counsel (Counselor Bill J. Helwig; Helwig has left and I have no forwarding address), Texas A & M University System, John B. Connally Bldg., 301 Tarrow, 6th Floor College Station, TX 77843-1230, (409) 845-3511. [Microbiology and toxicology Consult (proprietary matters) for the Defense, 1997.] **D.**

V

Vincent Law Office (Counselor Debra Boggess), 1100 S. 5th, Springfield, IL 62703; Firm no longer listed. Case title: Elenore Merle and S. Lightle v Bunte's Truck Service, Inc. [Toxicology Consulting and Opinion for the Plaintiff, 1998.] **P.**

W

Wheeler Law Firm (Counselor J. P. Wheeler), 314 N. 11th Street, P.O. Box 248, Canton, MO 63435-1250, (314) 288-5271. Case title not recorded, 03/05/1990 to July, 1990. [Microbiology, toxicology, and environmental science for odor and chemical air pollution with Analyses, Opinion, Deposition, and Trial Testimony for the Defense.] **D, Dp, T.**

Whitten, Nelson, McGuire, Terry & Robinson (Counselor Robin Hendrickson), One Leadership Square, Suite 400, 211 North Robinson, Oklahoma City, Oklahoma, 405-239-2573. [Toxicology Consulting for the Plaintiff, relative to a death (with review of medical records) from alleged over-medication; on-going 2004)]. **P.**

Whonsetler & Johnson, PLLC. (Counselor Robert A. Ott), 11901 Brinley Avenue, Louisville, Kentucky 40243, 502-895-2297. Siri Davenport, Administrator of the Estate of Jonathan Davenport v. Infectious Disease Consultants, et. al, Kenton Circuit Court, Division I, o8-CI-2316. [Microbiology, Toxicology and Medical Sciences with review of medical records relating to pulmonary Blastomycosis, its risk, diagnosis and treatment with Report and Opinion.] **D.**

Wiggins, Childs, Quinn & Pantazis, L.L.C. (Counselor Brian Clark) 301 19th Street North, Birmingham, AL. [Toxicology issues relating to benzene exposure and concern for cancer, for the Plaintiff (2012). The attorney firm Lanny Vines and Associates has joined the case for the plaintiff.] **P., Dp.**

William L. Denton Law Office (Counselor William L. Denton, and Edmund J. Walker), Morgan Square, 955 Howard Avenue, Biloxi, Mississippi 39530, (228) 374-8722. [Toxicology with Consulting (with review of medical records), for work-place chlorine gas exposure and Oral Opinion (summer 2003) for the Plaintiff.] **P.**

Woodson, Joseph Attorney at Law (Counselor Joseph Woodson), 17 Acres Drive, Suite 300, Little Rock, Arkansas 72223 (501) 868-1231. Case title: Dylan Roberts v Smith. [Toxicology and medical science with Consulting and Opinion for the Plaintiff (with review of medical records); infant given overdose of pharmaceutical, case settled before trial.] **P.**

Woolsey, Roger, County Attorney (Counselor Roger Woolsey), 118 S. Main Street, Greenville, TN 37743 (423) 639-7851. [Involving **Microbiology, Toxicology, mold, and review of medical records** for the **Defense**] with **Trial D. T. (2011)**

Y

Young and Hockensmith, Attorneys At Law (Counselor Shelly S. Dackonish), 743 Horizon Court, Suite 200, Grand Junction, Colorado 81506 (970-242-2645). [Toxicology, Microbiology and medical science with Consulting with Opinion for the Defense with review of medical records and exposure assessment, and environmental (including odor) evaluation, leading to case settlement before trial, summer 2003.] **D.**

Other completed and on-going proprietary cases: none with deposition or trial; one case involves **paraquat**.

PRINCIPAL CONSULTING EXPERIENCE FOR CORPORATIONS, FEDERAL AGENCIES, AND UNIVERSITIES

"Perfection is not possible, excellence is- Anonymous."

Corporate:

Guideline: Evaluation of toxicity risks from Agent for Kimberly-Clark.

Calibra Medical, Inc. 220 Saginaw Rd., Redwood Calif. (Proprietary matter). 2009.

Proprietary: Veterinary Medical Preventative and Therapeutic Agent. 2009

Guideline: Proprietary client, evaluation of a proprietary matter in New York, NY, 2007-

Guideline: Proprietary evaluation of an air purifier with medical uses, August, 2006.

Guideline: Proprietary tin toxicity assessment (medical applications), 2005-

Guideline: Proprietary client, toxicity evaluation of a medical device, 2006-

Gerson Lehrman Group: Member of Council of Healthcare Advisors; decision making assistance to corporations, business government.

The Science Advisory Board: Member of online group of 5000 life scientists and physicians focused on emerging technologies.

Round Table Group: Member of a global consortium which is described as the world's largest think tank of academic and industry experts.

Innocentive: Member of web-based group that responds to scientific R&D development challenges.

ARCCA: Member for forensic engineering, medical, and litigation consulting for analysis and communication of complex issues.

Teltech Division of FIND/SVP [formerly (until July 2, 2003) Teltech Technical Knowledge Service, Minneapolis, MN]: Consulting for various companies relative to: proprietary matters for Weyerhaeuser (June, 2003); *Bacillus thuringensis* and genetically engineered medical applications (10/14/1992); catalase enzyme manipulations (10/15/1992); biofilters and their use in

remediations of environmental organic contaminants (11/11 to 11/13/1992); anti-oxidation of platinum cardiac implants (01/13 to 01/27/1993); proprietary client regarding vaccine development (02/04/1993); redox potential measurements in biological media 07/30 to 08/10/93); enzyme technology; quality control and safety (risk) assessment of a chemicals (cyclohexanone, methyl ethyl ketone and tetrahydrofuran) used with a medical device 12/15 to 12/27/1993; control of Legionnaires microbes 08/16 to 08/10/1993; odor control (01/28 to 01/31/1994); Penicillium contamination of food product (10/13/1994); odor control (11/23/1994); survival characteristics of bacteria (11/29/1994); dust mite antigen characterization and standardization (03/23/1995); optimization of culture medium for *Clostridia* (04/07/1995); tolerance of infants for oxygen therapy via a medical device (09/13 to 09/14/1995); odor assessment (09/19 to 09/25/1995); selective culture medium for *Salmonella* (02/20 to 02/21/1996); antimicrobial properties of silver (04/30 to 05/06/1998); immuno-reactivity of killed spores (06/08/1998); and odor control from spilled grain (01/06/1997); hair permanent preparations, outdoor toilets and cat litter boxes (06/03 to 06/04/1996); odor control at a meat by-product rendering plant (Hormel) (03/08/2000); and analytical methods for measuring dental odors (March, 2000). **Sciences International, Inc.**, Alexandria, VA: Health and Environmental Risk Assessment for Fortune 500 firms (1990).

Adria Laboratories, Columbus, Ohio: Relative to the cancer chemotherapeutic Adriamycin (1981-82).

Norwich-Eaton Pharmaceuticals, Norwich, NY: Relative to nitrofurans derivatives (antibiotics). (1984).

Immunological Vaccines (IMMVAC), Inc., Columbia, MO, relative to vaccines and administration of contract to providing lecturers for Ross University, St. Kitts, West Indies (1987-92).

Proprietary Clients: incinerator safety and safety of pesticides (1990); food safety (1991); microbiological and toxicological safety of a medical device (2009); toxicological safety of a medical device (2007); toxicological safety of a veterinary medical device (2008-2009); 2011 Toxicology of a veterinary medical therapy under development and testing.

Proprietary Subjects: R.J. Reynolds, Winston-Salem (1988), NC; Lab Support, Inc. (1994); Kohler Corp., Kohler, WI. (1994).

University:

Oak Ridge Associated Universities, Oak Ridge, TN., collaboration for redox-research problems (1989-90).

The Toxicology Center, University of Iowa, Iowa City, IA, assistance with grant preparation (1982).

Kansas Defense 2000 DEPSCoR, review of proposal (1995).

Ross University, St. Kitts, West Indies: guest lecturer with administrative duties (1984 and 1988).

Government and Institutes:

Carlton Turner, Director, Drug Abuse Policy Office, for President Ronald Reagan, The White House: unpaid consultation (1982).

Office of International Cooperation & Development, U.S.D.A.: Washington, D.C. Consultant (1988-90).

NIH and NIEHS: peer review, 1979, 1986, 1990, 1991, 1994, 1995 (and currently).

American Institute of Biological Sciences: peer review, 1996-1997.

United Information Systems, Inc.: Bethesda, MD, peer review, 1996.

Eastern Research Group, Inc.: 1998-present.

U.S. Dept. Comm., Nat. Inst. Standards & Tech. (for the U.S. EPA) peer review, 1995.

Office of Naval Research: grant peer review, 1997.

Doctors for Disaster Preparedness: 2001-present.

PRO BONO AND COMMUNITY: "You Seminar" counseling trainer, Dallas Texas (conducted by Phil McGraw, now Dr. Phil of TV); Columbia Track Club secretary and treasurer; University of Missouri Big Eight Track race timer and official; scientific advisor for UMC science ethics case; focus group participant for School of Nursing; fund raiser for Rock Bridge High School athletic field, March of Dimes and United Way Campaigns, and scientific consulting related to legal cases

for plaintiffs unable to pay.

PRINCIPAL RESEARCH SUPPORT (Direct plus Indirect Costs)

"Remember, in the bacon and egg sandwich the egg is involved but the pig is committed-anonymous"

National Institute of Environmental Health Sciences, Toxicology Study Section, Principal Investigator, "Cellular Free Radical Toxicity Mechanisms," 4/1/81 through 2/28/89 (40% FTE), \$696,813; competing renewal 3/1/89 through 2/28/94, (50% FTE), \$768,690; competing renewal 9-30-95 through 9-29-00 (50% to 55% FTE, \$730,715 direct (\$1,062,823 total).

National Institutes of Health, Training Grant Co-Investigator (P.I., R. Finkelstein), DHHS. S-T32-AI07276-06, "Molecular Aspects of Microbial Pathogenesis", 9-1-92 through 8-31-93, \$183,786 direct and \$194,778 total, and for entire period, (9-1-92 through 8-31-97), \$990,181 direct and \$1,049,405 total.

American Heart Association, The Effect of Glutathione monoethyl Ester Pretreatment on Heart Function During Endotoxin Shock; 7/1/95 to 6/30/96; stipend/supplies for Lillian Novela-Gilsdorf, 12,000.

National Institutes of Health, Blood, Heart and Lung Institute, Co-Investigator (H. Laughlin, PI): "Training: Muscle Blood Flow and Capillary Dynamics", 12/1/88 through 11/30/93, (10% FTE), \$982,366.

National Institute of Dental Health, Consultant (C. Reddy, PI) "Mechanism of Cleft Palatogenesis by Secalonic Acid D", 5/1/89 through 4/30/92, (5% FTE), \$75,000.

Oak Ridge Associated Universities, research travel funds for travel to Oak Ridge National Laboratory for collaborative endeavor with Dr. Howard Adler, 1988-1990.

Agency for International Development, Co-Investigator (Ted Green, PI) "Malaria Immunity and Immunization", 9/30/83 through 9/29/86, (35% FTE), \$1,328,852.

National Institutes of Health, Blood, Heart, and Lung Institute, Co-Investigator (Pat Harris, PI): "Cardiovascular Control," Training Grant, 7/1/76 through 6/30/88, (5% FTE), \$459,282.

Office of Naval Research, Contract, Principal Investigator (20% FTE): "Cellular Mechanisms of Oxygen Toxicity", 1/1/68 through 9/31/81; \$280,000.

OTHER RESEARCH

"Ignorance never settles a question- Benjamin Disraeli."

- **EXTRAMURAL COLLABORATIVE RESEARCH (Examples):** Dr. Dennis Flint, The DuPont Corporation, Wilmington, Delaware; Dr. James Fee, University of California at San Diego; Dr. Craig Lunte, Univ. of Kansas; J. R. Moffett, Georgetown University, Washington, D.C.; and Dr. Fong, Regional Mass Spectrometry Laboratory, Washington University, St. Louis; Dr. Ronald Grigsby, BDM Corp., Bartlesville, Oklahoma.
- **INTRAMURAL COLLABORATIVE RESEARCH (Examples):** Abraham Eisenstark, Biological Sciences, and Director of Cancer Research Center, stress defenses of *Escherichia coli*; and Albert Sun, Department of Pharmacology, Medical School, oxidant toxicity mechanisms and Parkinson's disease.

SELECTED, INVITED PRESENTATIONS/PARTICIPATIONS at NATIONAL and INTERNATIONAL CONFERENCES, SYMPOSIA, and WORKSHOPS

"It is impossible to dissociate language from science or science from language. Lavoisier."

- Sixth Annual Meeting of the Oxygen Society, presentation of the poster: Oxygen and Indoleamine or Tryptophan 2, 3- Dioxygenase of the Kynurenine Pathway by William Dale, November, 1999.
- Sixth Annual Meeting of the Oxygen Society, presentation of the poster: Hyperbaric Oxygen and Kynurenine Pathway Intermediates by William Dale, November, 1999.
- "American Society for Mass Spectrometry 1998 Meeting", meeting attended by associate with presentation of co-authored poster, June, 1998.

- "Second International Oxidative Stress and Brain Damage Symposium", Chicago, Ill., Sept., 1997.
- "Second International Meeting on Oxygen/Nitrogen Radicals and Cellular Injury", Sept., 1997.
- "Metals in Biology," Gordon Research Conference, Ventura, CA, January, 1990.
- "Oxygen Radicals in Biology", Gordon Research Conference, Ventura, CA, Feb.1989.
- "Development and Testing of a New Cigarette Which Heats Rather Than Burns Tobacco", workshop sponsored by R.J. Reynolds and Gradient Corp., St. Louis, Mo., Oct. , 1988.
- "Biological Data for Pharmacokinetic Modeling and Risk Assessment", workshop sponsored by International Risk Science Institute, U.S. EPA, Dow Chemical Co., American Industrial Health Council, American Petroleum Inst., Mobil Oil Corp., Proctor & Gamble, and Shell Oil, Asheville, NC, May, 1988.
- "Oxygen Free Radicals", Gordon Research Conference, Santa Barbara, CA, Feb., 1987.
- "Biology of Oxygen Radicals: An Overview", Chairman & Presenter in Session V: Oxygen Free Radicals in Health & Disease, American Academy of Veterinary Pharmacology & Therapeutics, Lake Ozark, MO, June, 1986.
- "Metals in Biology", Gordon Research Conference, Santa Barbara, CA, Jan., 1986.
- "Oxygen Radical Toxicity", National Blood, Heart and Lung Institute's Frontiers of Science Symposium: Washington, DC, Dec., 1986.
- "Philosophic and Scientific Implications of Evolution", Sigma-Xi invited speaker, Central Missouri State University, Warrensburg, March, 1984.
- "Cellular Redox Mechanism of Toxicity", invited speaker, The Toxicology Center, University of Iowa-Iowa City, September, 1982.
- "Oxygen and Redox-Active Drugs: Shared Toxicity Sites", invited Speaker, Symposium: The Role of Cellular Redox Balance in Toxicity, sponsored by Soc. of Toxicology, Boston, Feb., 1982.
- "Mechanisms of Toxicity of Selected Xenobiotics", invited keynote speaker, Missouri Academy of Science Annual Meeting, April, 1982.
- "Philosophic and Scientific Implications of Evolution", invited Panel Speaker for the Missouri Committee for the Humanities, UMC-St. Louis; November, 1982.
- "Cellular Sites and Mechanisms of Oxygen Toxicity", invited participant for the VII International Congress of Hyperbaric Medicine, Moscow, Russia; September, 1981.
- "Specific Enzymatic Sites and Cellular Mechanisms of Oxygen Toxicity", invited participant for Conference on "Biochemical and Clinical Aspects of Oxygen," Pingree Park Campus of Colorado State University, September, 1978.
- "Invited Panel on Oxygen Toxicity", Navy-wide Symposium on High Pressure Biomedical Research, Naval Coastal Systems Laboratory, Panama City, Florida, March, 1976.
- "A Microbiologist Looks at Mars", Central Methodist College, April 8, 1969 and Marillac College, St. Louis, MO, November, 1967.
- "The Living Cell", Northwest State University, Maryville, MO, October, 1967.

POSTDOCTORAL FELLOWS TRAINED AND VISITING SCIENTISTS

"You cannot solve the problem with the same kind of thought that has created the problem. Albert Einstein."

(1) Nana Amiridze, Ph.D. and M.D., Neurosurgery, Thilisi Medical Institute, Georgia, USSR, and Residency in Neurosurgery at Burdenko Neurosurgical Institute in Moscow, Russia, Postdoctoral Fellow, 1997-1999.

(2) Yuhong Dang, Ph.D., Molecular Science. Southern Illinois University, Postdoctoral Fellow to Research Associate 1996-2000; currently a scientific position in St. Louis.

(3) Chunsheng Xia, Ph.D., Biochemistry. Southern Illinois University, Postdoctoral Fellow, 1996-97. Currently a scientific position in St. Louis.

(4) Betty Blanchard, Ph.D., Physiology, University of Illinois, Postdoctoral Fellow, 1995-

97. Current position unknown.

(5) Bozena Draczynska-Lusiak, Ph.D., Bioorganic Chemistry, Agriculture Academy of Wroclaw, Postdoctoral Fellow to Research Associate, 1990-94. Currently a research position with the Medical School, University of Missouri.

(6) Bassa Babu, Ph.D., Medical Biochemistry, University of Delhi; Postdoctoral Fellow to Research Associate, moved to Nephrology Research Labs, Dept. of Veterans Affairs, Long Beach, CA., 1990.

(7) Smyk-Randall, Ph.D., Biochemistry, Southern Illinois University, Carbondale, IL; postdoctoral fellow, 1985-1990; obtained a position as research associate at the University at Chapel Hill, NC, and is currently with Health Decisions, LTD., Chapel Hill, N.C.

(8) Tony Baumgartner, Ph.D., Cytogenetics, Postdoctoral Fellow, 1990; obtained position as a Medical Technologist, Department of Pathology, University Hospital and Clinics, Columbia, MO.

(9) Filippelli, F., Ph.D., Medicinal Chemistry, University of Iowa, Iowa City, Iowa; Postdoctoral Fellow, 1988-1989. Obtained a position as Assistant Professor, Drake University School of Pharmacy and Health Sciences, Des Moines, Iowa.

(10) Siwecki, G., Ph.D., Agricultural Chemistry; (deceased); Postdoctoral Fellow, 1983.

(11) Foudin, L., Ph.D., Fungal Genetics, Univ. of Georgia; Postdoctoral Fellow, 1978-79. Currently Health Scientist Administrator, National Institute for Alcohol Abuse and Alcoholism, Rockville, MD.

(12) Charles Fisher, Ph.D., 1980; Visiting Scientist; current position unknown.

DISSERTATIONS AND THESES DIRECTED

"I believe that in the end the truth will conquer- John Wycliffe."

(1) R. Seither: "Redox Mechanisms of Toxicity: Paraquat, Nitrofurantoin, and Streptonigrin", Ph.D., 1983. (Winner of award as best paper at Missouri Branch American Society for Microbiology, Kansas City, Missouri, April, 1982). Now Associate Professor, Department of Medicine, Medical College of Virginia, Richmond, Virginia.

(2) Huda Amash: "The Effects of Selected Free Radical Generating Agents on Metabolic Processes in Bacteria and Mammals", Ph.D., 1983. Became Assistant Professor, Department of Biology, College of Science, University of Baghdad, Al-Jadria, Iraq; now Head of Iraq Academy of Science.

(3) Mike Heitkamp: "Inhibition of NAD Biosynthesis by Paraquat", M.S., 1980. (Winner of award as best paper at Missouri Branch American Society for Microbiology meeting jointly sponsored by Area of Microbiology, Fall, 1980.) Now an Environmental Scientist, Monsanto Company, St. Louis, Missouri.

(4) R. Seither: "Induction of the Stringent Genetic Response in Escherichia coli by Hyperbaric Oxygen Poisoning", M.S., 1979. (Winner of award as best paper at Missouri Branch American Society for Microbiology, Spring, 1979.) Continued for the doctorate.

(5) D. Boehme: "Inhibition of Amino Acid Biosynthesis by Hyperoxia." (Winner of award as best paper at Missouri Branch of the American Society for Microbiology meeting, Spring, 1976.) Program terminated without Ph.D.

(6) R. Mathis: "Effect of Hyperoxia on ATP Concentration in Escherichia coli", M.S., 1974. (Winner of Microbiology Area award as best paper in competition with M.S. and Ph.D. students in Microbiology, University of Missouri four campus system.) Mathis obtained the doctorate and has advanced in rank in the Department of Biology, Canisius College in Buffalo, New York.

(7) J. Stees: "Hyperoxia: Effects on Fatty Acid Synthetase of Escherichia coli and Bakers' Yeast", Ph.D., 1972. Currently has a position in banking.

(8) R. Bruner: "Effect of Hyperoxia on NAD(H) and NADP(H) in Escherichia coli", M.S., 1971. Obtained the D.D.S. and is a practicing dentist.

(9) H. Howitt: "Effect of Hyperoxia on Fatty Acid Synthetase in Escherichia coli", M.S., 1971 (deceased).

(10) J. Stees: "The Red Pigment of Nocardia corallina", M.S., 1967 (Continued for doctorate with me).

(11) D. Huggett: "Toxicity of Hyperoxia for Microbes", M.S., 1967. Obtained doctorate and advanced to be Director, Quality Control, Immuno-U.S., Inc., Rochester, Michigan.

(12) S. Reda "Permeability and Metabolic Changes in *Nocardia corallina*", M.S. in 1966 and obtained an M.D. and is practicing medicine in Wheaton, Illinois.

GRADUATE DEGREE COMMITTEE SERVICE

"Truth exists, only falsehood has to be invented- Georges Braque."

(1) Roger L. Anderson, M.S., Aug., 1965, Frank Engley, mentor, Department of Microbiology, School of Medicine, thesis title: Inhibition and Selection of *Streptococcus pyogenes*; obtained doctorate and moved to the Center for Disease Control, Atlanta, Ga.

(2) Shang Woo Hwang, M.S., May, 1966, Robert Wixom, mentor, Department of Biochemistry, thesis title: "Valine Biosynthesis in *Clostridia*"; obtained the Ph.D. in Pharmacology with Dr. Waisalait; moved to the Federal Department of Agriculture.

(3) Michael P. Kiley, M.S., Aug. 1967, Joseph Parisi, mentor, Department of Microbiology, School of Medicine, thesis title: "Some Chemical Factors Affecting the Selection of Variants of *Staphylococcus aureus*"; and moved to the Center for Disease Control, Atlanta, Ga.

(4) Augustine Joseph, M.S., May, 1969, Robert Wixom, mentor, Department of Biochemistry, thesis title: "Amino Acid Metabolism in *Propionibacterium* and *Hydrogenomonas*"; and moved to the Quartermaster Corps., Nadick, Mass.

(5) David Weddell, Ph.D., May, 1969, Area of Microbiology, Dr. Robert Marshall, mentor. Dissertation title: "Growth Stimulation of Pathogenic Micrococci by Factors in Digests of DNA and in Leukocytes of Milk"; and moved to become in charge of production development for Mid-American Dairymen, Springfield, IL.

(6) Russell J. Semmaro, Ph.D., 1970, Robert Wixom, mentor, Department of Biochemistry, dissertation title: "Valine and Isoleucine Biosynthetic Enzymes in Photoorganotrophs"; obtained the M.D. in Ophthalmology; and established practice in Ithaca, N.Y.

(7) Russell Baskett, Ph.D., Aug., 1971, David Hentges, mentor, Department of Microbiology, School of Medicine, dissertation title: "Mechanism of *Shigella* Inhibition by Acetic Acid"; current position unknown.

(8) Jeffrey Bruce Cooper, Ph.D., May, 1972, Allen W. Hahn, mentor, Department of Veterinary Medicine and Bioengineering, dissertation title: "Mechanism of Oxygen Reduction on Platinum in Saline and Effects of Interstitial Fluid"; obtained position as Associate Professor, Biomedical Engineering, Massachusetts General Hospital, Harvard, Massachusetts

(9) Rial DeWitt Rolfe, Ph.D., May, 1978, David Hentges, mentor, Department of Medical Microbiology, dissertation title: "A Biochemical Basis of Obligate Anaerobiosis"; obtained position as Associate Professor of Microbiology, School of Medicine, Texas Tech. University Hospital and clinic, Lubbock, Texas.

(10) Linda Austin-Martin, M.A., December, 1980, Department of Health and Physical Education, Ben R. Londeree, mentor, thesis title: "The Effect of Training Intensities on Maximal Steady State Oxygen Consumption and Maximal Oxygen Consumption ", obtained a position as a fitness consultant in Phoenix, Arizona.

(11) Fred Murdock, M.S., December, 1982, Food Science and Nutrition, Dr. Marion Fields, mentor; thesis title: "B-Vitamin Content of Corn Meal During Natural Fermentation", completed doctorate and obtained position as Assistant Professor of Food Chemistry, University of Wisconsin.

(12) Laphaviranit, Laddavan, Ph.D., May, 1982, Area of Microbiology, Dr. Robert Marshall, mentor, dissertation title: "Interaction of Protease Preparation from *Pseudomonas* fluorescence with Bovine Milk Xanthine Oxidase"; obtained position as Associate Professor of Biochemistry, Madel University, Bangkok, Thailand.

(13) Thomas P. LaFontaine, Ph.D., December, 1983, Department of Health and Physical Education, Ben R. Londeree, mentor, dissertation title: "The Effect of Intensity and Quantity on Exercise Training on the Aerobic and Anaerobic Thresholds"; became Director of Cardiovascular and Pulmonary Rehabilitation, Boone Hospital Center, Columbia, MO.

(14) Mark Allen Smith, M.S., May, 1986, Department of Chemical Engineering, Rakesh K. Bajpai, mentor, thesis title: "Controlled Cultivation of *Escherichia coli* Through Regulation of

the Oxygen Demand by Substrate Feeding"; obtained position with Eli Lilly, Indianapolis, IN.

(15) Deborah A. Hoxworth, M.S., December, 1987, Department of Health and Physical Education, Ben R. Londeree, mentor, thesis title: "Caffeine's Effect on Energy Substrate Systems During Cycling at Two Intensities"; obtained position with the Pritiken Center, Philadelphia, Pennsylvania.

(16) Sudhir Samuel John Batchu, M.S., May, 1988, Department of Veterinary Microbiology, Theodore Green, mentor, thesis title: "Application of Monoclonal Antibodies as Drug Mediated Carriers in *P. falciparum* Erythrocytic Stage Cultures"; has a foreign M.D. and obtained a residency training at the University of Missouri.

(17) Melissa Stuart, Ph.D., May, 1989, Department of Veterinary Microbiology, Theodore Green, mentor, dissertation title: "The Protective Roles of Monoclonal Rheumatoid Factors in Immunity to Malaria"; obtained a postdoctoral fellowship with Wendel Burkholder, U.S.D.A. ARS Stored Product Insect Research Unit, Entomology Department, Russell Labs, Madison, Wisconsin.

(18) Mark Basecka, Ph.D., May, 1992, Department of Health and Physical Education, Ben R. Londeree, mentor, dissertation title: "The Relationships Among Exercise Blood Lactate Response, Muscle Blood Flow, and Oxidative Adaptation to Endurance Training in the Rat". Current position unknown.

(19) Se Yoon, M.S., August, 1993, Department of Chemistry, William Bunnelle mentor, Research topic: "Kinetic Studies of the Reduction of Ozonides by Phosphines." Current position unknown.

(20) Lillian Novela, doctoral candidate whose program was terminated in Physiology in 1997.

(21) Jeong Sook Kim-Han completed doctoral program in summer, 1998 in Pharmacology, with a dissertation related to Parkinson's disease. Current position unknown.

- **COURSES TAUGHT:** Morphology and Variation in Bacteria, Pathogenic Bacteriology (guest lecturer), Microbiology for Medical Students (team taught), Microbiology for Nurses (team taught), Veterinary Microbiology (team taught), Pharmacology (guest lecturer), Microbial Physiology, Physiological Chemistry (team taught), Veterinary Cellular and Molecular Biology (team taught), and Toxicology (guest lecturer).
- **COMMITTEE APPOINTMENTS:** Facilities Committee, Dalton Cardiovascular Research Center; Faculty Search Committee, Veterinary Biomedical Sciences; Promotion and Tenure Committee, College of Veterinary Medicine (Chairman); Faculty Council Task Force: Administrative Review, Campus-wide; Research and Development Committee, Medical Center; Planning Committee for Atmospheric and Earth Sciences, Campus-wide; Scholarship and Awards Committee, Medical Center; Membership Committee of the Society of the Sigma Xi; Developer/Chairman, Area of Microbiology Graduate Student Research Award; Manuscript Review and Editing Committee, Veterinary Medical School; School of Veterinary Medicine Bulletin Committee; Policy Committee, Dalton Research Center; Medical Center Animal Care Committee; Medical Safety and Subcommittee Chairman for Laboratory Safety; Graduate Fellowship Committee, Dalton Research Center; Engineering Services Committee (Chairman) Dalton Research Center; Campus Library Committee (Budget Subcommittee Chairman); University-wide Safety Committee; Campus Committee, Review of Research Involving Human Subjects (Vice-Chairman); Promotion and Tenure Committee, Department of Veterinary Microbiology; Doctoral Faculty Review Committee; Graduate Faculty Senate and Special Task Force for Administrative Overview, and Academic Affairs Subcommittee; Biomedical Sciences Departmental Promotion and Tenure Committee (Chairman).
- **PERSONAL INFORMATION:** Married to Pollyana J. (nee King) Brown, retired mental health counselor. Daughter Barbara Engler, Architect and Manager with Jacobs Engineering, St. Louis, MO. Daughter Diana Allen, Field Mgr, Rivers and Trails Conservancy, National Parks Service, St. Louis, MO. Son David G. Brown, attorney, Private Practice, Brown Law Office, Columbia, MO. Avocations: previously long-distance (including marathon) running, track officiating, oil, painting and pencil drawing; and my religious preference is Baptist.

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"Science is the search for truth- it is not a game in which one tries to best his opponent; to do harm to others- Linus Pauling"

Note: As of January 17, 2012, Harzing (who provides a down-loadable program for calculating the impact of a scientist's body of publications) listed 76 papers for me with an h-index of 14 based on 807 citations of my papers by other authors (this means that I have 14 papers that were cited 14 or more times each). The highest cited papers were cited: 166 times, 84 times, 58 times, 49 times, 37 times, two were cited 29 times, 26 times, 23 times, 22 times, 18 times, 16 times, 15 times, 14 times, 13 times, two were cited 12 times, three were cited 11 times, and other papers were cited a lesser numbers of times.

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- (2) Brown, Olen R. and Clark, J.B. The tricarboxylic acid cycle in *Nocardia corallina*. Proc. Okla. Acad. Sci. 41:94-98 (1961).
- (3) Brown, Olen R. Metabolism, Morphogenesis and Pigmentation in *Nocardia corallina* Dissertation 1964. [Note: I have listed my dissertation here because it is cited in Harzings and is available in the open literature.] [1]
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- (7) Brown, Olen R. Instrumented Quantification of Live Bacteria in the Presence of Dead Cells. Applied Microbiol. 14:1054-1055 (1966).
- (8) Brown, Olen R. and Reda, S. Enzyme and Permeability Changes during Morphogenesis of *Nocardia corallina*. J. Gen. Microbiol. 47:199-205 (1967).
- (9) Brown, Olen R., Silverberg, R., and Huggett, D.O. Synergism between Hyperoxia and Antibiotics for *Pseudomonas aeruginosa*. Applied Microbiol. 16:260-262 (1967).
- (10) Brown, Olen, R. and Huggett, D.O. Effects of Hyperoxia upon Microorganisms. I. Membrane Culture Techniques for Exposing Cells Directly to Test Atmospheres. Appl. Microbiol. 16:476-479 (1968).
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- (13) Brown, O.R. and Howitt, H.F. Growth Inhibition and Death of *Escherichia coli* from CO₂ Deprivation. Microbios 3:241-246 (1969).
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- (17) Brown, O.R. and Barrett, E. Modification of a Fermentor for Pressurized Fermentation. Biotechnology and Bioengineering 13:703-707 (1971).
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- (Unnumbered: See Note immediately below)** Brown, O.R., Yein, F., and Boehme, D. Bacterial Sites of Oxygen Toxicity Potentially Common to Red Cells and Erythropoiesis. The Red Cell, Proceedings 4th International Conference on Red Cell Metabolism and Function, Ed. by G.J. Brewer, Alan R. Liss, Pub., pp. 701-714 (1978). [**Note:** this paper is not numbered because although it is a book contribution it has been listed as a publication in my record with Harzing; therefore, I have listed it in the prior section and keep it here also because it is a book contribution.]
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"One with the law is a majority-Calvin Coolidge."