Bill Herman McAnalley Curriculum Vitae

DATE AND PLACE OF BIRTH

April 24, 1944, San Angelo, Texas

ACADEMIC AND WORK EXPERIENCE

2005 to present General partner of Bill McAnalley & Associates, LLC and

Director of research and development of new Products, LP (developed <u>sockitgel.com</u>, <u>www.orasoothe-oncology.com</u>#1, <u>arogalife.com</u>) or look each up on Facebook: Sockit! Gel,

Orasoothe, Aroga life.

1996 to 2005 Sr. Vice President and Chief Science Officer

Research & Development

Mannatech, Inc. Coppell, Texas

1995 to 1996 Scientific Consultant

Mannatech, Inc. Coppell, Texas

1987 to 1995 Vice President

Director of Research – Carrington Laboratories

Irving, Texas

1985 to 1990 School Board Member

Turnpike Christian School

Grand Prairie, Texas

1985 to 1989 Director

Prime Toxicology Laboratories, Inc.

Dallas, Texas

1983 to 1987 Scientific Consultant

Carrington Labs, Inc.

Irving, Texas

1983 to 1995	Director Ahlfinger Water Company Dallas, Texas
1979 to 1982	Regional Toxicology Expert Environmental Protection Agency Region 6 Dallas, Texas
1979 to 1995	Adjunct Faculty Instructor in Pharmacology and Toxicology University of Texas Southwestern Medical Center at Dallas University of Texas Southwestern Medical School Dallas, Texas
1978 to 1982	Clinical Pharmacologist and Toxicologist Southwestern Institute of Forensic Sciences Dallas, Texas
1977 to 1983	Scientific Consultant Avacare, Inc. Dallas, Texas
1975 to 1979	Fellowship in Pharmacology and Toxicology U.T. Southwestern Medical School Dallas, Texas
1974 to 1975	Teaching Assistant U.T. Southwestern Medical School Dallas, Texas
1972 to 1974	Math Instructor Basic Adult Education, San Angelo College San Angelo, Texas
1972 to 1973	Chemistry Lab Assistant San Angelo State University San Angelo, Texas
1971 to 1973	Chemistry Teacher San Angelo ISD San Angelo, Texas
1968 to 1970	Math Teacher San Angelo Independent School District San Angelo, Texas

EDUCATION

Bachelor of Science, (Chemistry-Math), 1968 Angelo State University San Angelo, Texas

Master of Natural Science, (Chemistry-Biology), 1973 New Mexico Highlands University Las Vegas, New Mexico

Ph.D. (Pharmacology-Toxicology), 1978 University of Texas Health Science Center Dallas, Texas

Postdoctoral Training in Forensic and Clinical Toxicology, 1979-1981, Dallas Institute of Forensic Science and University of Texas Southwestern Medical School Parkland Hospital, Dallas, Texas

THESIS TITLES

M.S.: Spectrophotometric Analysis of "Street Drugs"

Ph.D.: Effect of Lung Edema on the Pulmonary Uptake, Distribution and Binding of Drugs

CONTINUING EDUCATION

New Animal Drug Applications September 1987 Shotwell & Carr, Inc., Dallas, Texas

Microbiological Control Symposium November 1987 Sponsored by Microbiological Update Islamorada, Florida Keys

Good Manufacturing Procedures Training Seminar December, 1987
Shotwell & Carr, Inc.
Dallas, Texas

Preparing Clinical Protocols and Managing Clinical Investigations March, 1988 Center for Professional Advancement James-burg, New Jersey

The Mechanics of Preparing IND Applications and NDAs March, 1988
Center for Professional Advancement
James-burg, New Jersey

Microbiological Control Symposium May 1988 Sponsored by Microbiological Update Islamorada, Florida Keys

RAPS/FDA Seminar on Expedited Drug Approval FDA Interim Rule for Expedited Development and Approval of Drugs for Life Threatening Illnesses February, 1989 Rockville, Maryland

RAPS/GCP -- (3MP, GLP: A Workshop on Drugs and Devices) May 1989 Philadelphia, Pennsylvania

US/EC Pharmaceutical Law Forum 1990 Brussels, Belgium

Drug and Device Regulation: Progress and Controversy February, 1993 Ft. Myers, Florida

Clinical Trial Issues of Topical Wound Healing Biologics Sponsored by Center for Biologics Evaluation and Research Food and Drug Administration. April 22, 1993 Bethesda, Maryland

The Biotechnology Forum 1993.
"From Molecule to Market: The Business of Biotechnology"
Sponsored by International Business Forum
May 3, 1993
New York, New York

510 (k) Submissions May, 1994 Shotwell & Carr Dallas, Texas

Quality Leadership and Implementation Workshop Hogan Quality Institute October, 1994 Dallas, Texas

Good Manufacturing Practices January, 1995 Shotwell & Carr Dallas, Texas

Product Manager Seminar March, 1995 Brakke and Associates, Inc. Dallas.Texas

Fourth Nutraceutical Conference of the Foundation for Innovation in Medicine "How to Develop, Make Claims on, and Market Nutraceuticals" May, 1995
New York, New York

1996 IFT Annual Meeting Program & Food Expo Exhibit Directory June 22-26 New Orleans, Louisiana

The Foundation for Innovation in Medicine,
"How to Develop, Make Claims on, and Market Nutraceuticals"
November, 1996
New York, New York

Regulatory Concerns for Natural Products Industrial Laboratories March 1, 1997 Denver, Colorado

Dietary Supplements -- Functional and Medical Foods for Chronic Diseases or Aging Global Business Research Ltd.
March 10-11, 1997
Anaheim, California

PATENTS

- 1. December 16, 1987: Spanish Patent #556686, Un procedimiento para producir un gel o jugo de aloe sustancialmente exento de antraquinona
- 2. February 24, 1988: South African Patent #86/4744, Processes for preparation of aloe products, products produced thereby and compositions thereof
- 3. March 7, 1988: Spanish Patent #557820, Un procedimiento para extraer la sustancia quimica activa de la planta del aloe a partir de sus hojas
- 4. March 7, 1988: Spanish Patent #557821, Un procedimiento para extraer la sustancia quimica activa de la planta del aloe a partir de sus hojas
- 5. March 30, 1988: Spanish Patent #557759, Un procedimiento para extraer la sustancia quimica activa de la planta del aloe a partir de hojas de esta planta
- 6. March 31, 1988: OAPI (African) Patent #08487, Process for preparation of aloe products, products produced thereby and compositions thereof
- 7. April 5, 1988: U.S. #4735935, Process for preparation of aloe products, products produced thereby and compositions thereof
- 8. June 15, 1988: Portuguese Patent #82.862, Processo para a preparacao de productos de aloes e de composicoes farmaceuticas que os contem
- 9. September 23, 1988: Peruvian Patent #4382, Procedimiento para la preparacion de productos de aloe y otros derivados
- 10. December 15, 1988: New Zealand Patent #216663, Processes for preparation of aloe products, products produced thereby and compositions thereof
- 11. July 11, 1989: U.S. #4846170, Gas Delivery Apparatus Protection Device
- 12. July 25, 1989: U.S. #4851224, Process for preparation of aloe products
- 13. July 29, 1989: Dominican Republic Patent #4582, Procedimientos para la preparacion de productors de aloe y otros derivados
- 14. April 17, 1990: U.S. #4917890, Processes for preparation of aloe products, products produced thereby and composition thereof
- 15. August 30, 1989: Belgian, Swiss/Lichenstein, French, British, Italian, Luxembourg, Dutch, Swedish, Austrian and German Patent #0227806,

Processes for preparation of aloe products, products produced thereby and compositions thereof

- 16. September 18, 1990: U.S. #4957907, Processes for preparation of aloe products
- 17. August 29, 1990: South African Patent #889733, Process for preparation of aloe products
- 18. September 2, 1990: U.S. #4959214, Process for preparation of aloe products, products produced thereby and composition thereof
- 19. October 30, 1990: U.S. #4966892, Processes for preparation of aloe products, products produced thereby and compositions thereof
- 20. August 1, 1991: Australian Patent #607681, Processes for preparation of aloe products, products produced thereby and compositions thereof
- 21. April 21, 1992: U.S. #5106616, Administration of Acemannan
- 22. June 2, 1992: U.S. #5118673, Uses of aloe products
- 23. July 21, 1992: Canadian #1205475, Processes for preparation of aloe products, products produced thereby and compositions thereof
- 24. January 19, 1993: Canadian #1312860, McAnalley BH, Process for preparation of aloe products
- 25. February 8, 1994: U.S. #5284833, Wound Cleanser
- April 25, 1995: U.S. #5409703, Dried hydrogel from hydrophilic-hygroscopic polymer
- 27. August 15, 1995: U.S. #5441943, Uses of aloe products
- 28. August 22, 1995: U.S. #5443830, Drink containing mucilaginous polysaccharides; and its preparation
- 29. November 21, 1995: U.S. #5468737, Wound healing accelerated by systemic administration of polysaccharide from aloe
- 30. August 16, 2005: U.S. #6929807 B1, Compositions of Plant Carbohydrates as Dietary Supplements.
- 31. January 2, 2007: U.S. #7157431 B2, Compositions of Plant Carbohydrates as Dietary Supplements

- 32. March 27, 2007: U.S. #7,196,064 B2, Compositions of Plant Carbohydrates as Dietary Supplements
- 33. April 3, 2007: U.S. #7,199,104 B2, Compositions of Plant Carbohydrates as Dietary Supplements
- 34. April 10, 2007: U.S. #7,202,220 B2, Compositions of Plant Carbohydrates as Dietary Supplements

Mannatech International Patents

Country	Patent No.	Description
Australia	734183	
EPC	923382	
Switzerland	923382	
Germany	69712896	
Spain	923382	
France	923382	
Great Britain	923382	
Ireland	923382	
Italy	923382	Dietary supplement comprising saccharides – to supply
Mexico	212260	mammals with glycoproteins
Austria	218065	
Hong Kong	1020531	
Republic of Korea	0450097	
New Zealand	334021	
Taiwan	191175	
South Africa	9707102	
Malaysia	117459	
Singapore	61367	

Carrington International Patents

Country	Patent No.	Description
United States	5961957	Barrier foam for the protection of the skin from water, allergens poor other skin irritants
		Use of acetylated mannan (I) to reduce symptoms associated with chronic respiratory disease such as itching, burning, congestion, watering of mucosal membranes, sinus headaches produced by swollen nasal mucosa, wheezing, coughing, bronchitis, tightness
United States	5786342	in the chest and difficulty in breathing

Country	Patent No.	Description
United States	5780453	Reduction of symptoms of multiple sclerosis (MS), comprises administering an acetylated polymeric to reduce plaque formation
United States	5703060	Methods for (a) preventing an animal from being infected by an infectious organism, (b) treating fungal infestations in an animal and (c) treating infections in an animal resistant to an anti-infectious drug comprise administering an acetylated mannan derivative preferably Acemannan
United States	5902796	Production of factor from aloe – comprises filtering an
Australia	734450	aloe vera leaf or a product derived and produced
Republic of Korea	419354	therefrom, then sizing using different processes
United States	5587364	Methods for (a) treating an animal suffering from an inflammatory bowel disease, (b) reducing inflammatory symptoms associated with in autoantibody disease in an animal, (c) reducing inflammation within the nervous system in an animal and (d) treating the stings, bites and scratches of animals and pricks and scratches of plants comprise administering of an acetylated mannan derivative of aloe origin
United States	5512488	The presence or amount of a bioactive polysaccharide (A) in a product is detected and confirmed by: (1) treating a first portion of the product with a colorimetric complexing agent (B1) and determining the colour change that occurs; (2) comparing the result with standard colour changes produced by reacting (B1) with various known amounts of (A); (3) repeating the procedure, on a separate sample, with a second colorimetric complexing agent (B2) to confirm the result of the test with (B1). Also claimed is a similar method, using only (B1), to determine presence/amount of aloe vera polysaccharide
United States	5468737	Healing of wounds in animals is promoted and accelerated by systemic administration of a bioactive polymeric mannan deriv
United States	5441943	Methods for (a) regulating blood cholesterol levels in an animal and (b) regressing (sic) plaques formed in blood vessels of an animal comprise administering of a polymeric acetylated mannan deriv
United States	5443830	Drink containing mucilaginous polysaccharide cpds. and water – obtd. by alcohol-pptn. of polysaccharide from aloe vera leaves, giving known quantity of Acemannan and no bitter after-taste
United States	5409703	Therapeutic device is a flexible solid foam of dried
Japan	2992835	hydrogel (A) that can be cut to shape and has gas
EPC	705113	bubbles dispersed through it. It is made by removing,
Republic of Korea	343293	from a hydrogel, a liquid medium (in a dispersed phase) from particles of hydrophilic-hygroscopic therapeutic polymer (I) in a dispersion phase. The device is
Austria	218376	transformed into the hydrogel by absorption of additional
Germany	69430746	liquid medium

Country	Patent No.	Description
United States	5308838	The following are claimed (A) enhancing the therapeutic effect of known pharmaceutical agents (which require the aid of the animal's immune system to achieve maximal drug efficacy) in animals comprising admin. to the animal of an acetylated mannan deriv., in addn. to the known pharmaceutical agent, to enhance the immunocompetency of the animal. (B) producing an innumenhancement effect of a vaccine comprising adding 0.001-10.0 mg. (per vaccine dose) of an acetylated mannan deriv. to the vaccine, (C) producing an immunoenhancement effect of a vaccine comprising (a) administering to the animal a vaccine antigen, and (b) separately administering a polymeric mannan derive
EPC	611304	
Republic of Korea	209180	
Canada	2122604	Use of acetylated mannan derivs. e.g. Acemannan – as immunostimulants, for treating traumatic injuries,
EPC	965346	parasitic infections, inflammation etc.
Germany	69133298	
Germany	69131628	
United States	5284833	Aq. would cleanser composition comprising surfactant, osmotic adjuster, buffering agent, water and opt. other ingredients, and is non-toxic and non-irritating
United States	5118673	An antiviral effect in an animal or a tissue culture infected with a virus is produced by administering to the animal or culture an amount of an acetylated mannan derivative sufficient to inhibit the replication of the virus, pref. Acemannan
United States	5106616	Production of interleukin-1 (IL-1) and prostaglandin E2
Australia	637985	(PGE2) by mammalian monocyte or macrophage peripheral blood adherent cells is activated, induced or
EPC	382840	enhanced by treating the mammal with enough
Canada	1336581	Acemannan (I) to stimulate such cells. Other claimed activities of (I) are (1) stimulating phagocytosis by the
Japan	2888249	specified cells; (2) antiviral activity; (3) altering viral
EPC	619117	replication metabolism in infected cells (in vivo and in seed cultures for vaccine production); (4) producing an adjuvant effect in vaccines; (5) antitumour action; (6) producing altered glycoproteins in infected cells; (7) increasing intra- and extra-cellular production of mannose and (8) reducing symptoms of multiple sclerosis and inflammatory bowel disease
United States	4851224	
Canada	1312860	
EPC	356484	Extracting of pharmaceutically active polysaccharide from aloe plant leaf – by obtaining aloe juice containing
Republic of Korea	9301062	acetylated beta-D-mannose polymer with D-galacto-

Country	Patent No.	Description
Japan	2832551	pyranose branoning, adjusting pri, adding solvent, etc.
United States	4735935	
EPC	227806	
Canada	1305475	
EPC	328775	
Japan	95091198	Composition comprising a non-degradable lyophilized
Ireland	9565367	ordered linear polymer of acetylated mannose monomers is new. Composition comprising an EtOH
Austria	45880	pptn. prod. of juice of the aloe vera plant, the prod. being
Australia	607681	non-degradable and in lyophilized form, is new. Similar compositions obtained from the juice of the aloe ferox,
Germany	3665262	Africana or dichotoma plants are also new
Germany	3689195	
Germany	68910051	
Germany	68920019	
Germany	68929208	

Bill McAnalley & Associate Patents

Country	Patent No.	Description
United States	4846170	Gas delivery apparatus protection device

REGULATORY SUBMISSIONS

September 28, 1989: 510(k) FDA Office of Device Evaluation

May 25, 1990: 510(k)

FDA Office of Device Evaluation

June 7, 1990

Received ODE approval to market Carrington Wound Dressing as a device with label claims for 1st and 2nd degree burns, pressure ulcers, stasis ulcers and skin conditions associated with periostomal care

October 30, 1990 Submitted IND 3HP904468 to the Canadian HPB In support of studies of oral Acemannan in advanced AIDS Studies were allowed to begin 60 days later

November 30, 1990 Office of Device Evaluation approval to market

Carrington Dermal Wound Gel as a device

November 1, 1991 Received Conditional Approval from USDA for Acemannan Immunostimulant for the management and treatment (i.e., surgery) of fibrosarcoma in cats and dogs

November I, 1991 Received United States Veterinary Biologics Establishment License from USDA

July 15, 1992 Submitted IND 40107 In support of studies of Acemannan for injection in AIDS Studies were allowed to begin 30 days later

October 8, 1991 Submitted IND 37945 In support of studies of oral Acemannan in ulcerative colitis Studies were allowed to begin on December 1, 1992

July 30, 1993 Carrasyn D filed CD Cleared by ODE, May 4, 1994

September 9, 1994 Carrasyn FCIG filed Cleared by ODE, November 29, 1994

HONORS

Dean's List, Angelo State University
Phi Kappa Phi Honor Society
Merit Award, Professional Contribution in Mathematics
Biography in Outstanding Young Men of America, 1973
Bell & Howell Outstanding Teacher Award
NSF Fellowship
NIH Fellowship

AREAS OF SPECIALIZATION

- Absorption, distribution, excretion and metabolism of pharmacologic agents
- Principles of toxicology
- Pulmonary drug distribution in normal and damaged lungs

- Clinical and forensic toxicology
- Inhalation toxicology
- Environmental toxicology
- Pharmacology of natural plant products
- Patent and regulatory requirements for new drugs and dietary supplements
- Development of dietary supplements
- Research on Aloe vera (L.) Burm. f.

ACADEMIC RESEARCH PROJECTS

- Fast qualitative and quantitative determination of "Street Drugs" with Dr. Monte Carlo
- Effect of lung damage on the pulmonary absorption of drugs
- Effect of pulmonary edema and fibrosis on the absorption, uptake, afflux and binding of drugs in the lung
- The toxic properties of "Laetrile"
- Pharmacology of natural substances
- Transport mechanisms in pulmonary endothelium
- Human tissue culture normal and cancerous
- Effect of natural substances in human tissue cultures
- Pharmacokinetics in humans

RESEARCH SUPPORT

1970 to 1973	National Science Foundation Fellow and Grantee
1974.	University of Texas Southwestern Medical Center at Dallas Teaching assistant Dallas, Texas
1974 to 1978	National Institutes of Health (NIH) fellowship and grantee under the Pharm -Tox training program at Southwestern Medical School of Dallas
1979.	University of Texas Health Science Center of Dallas Private research funds to study the toxicity of "Laetrile"
1980 to 1981	Co-investigator on a National Institutes of Health grant awarded by the National Heart, Lung and Blood Institute Grant number 1 ROH1 HL 20623 project title "Transport Mechanisms in Pulmonary Endothelium"

PROFESSIONAL SOCIETY MEMBERSHIPS

American Chemical Society Association of Official Analytical Chemists

PROFESSIONAL ACTIVITIES

1968 to 1970	Worked with a team of mathematicians to develop and test a series of programmed math tests for Grades 1-12 (sponsored by the Ford Foundation and distributed nationally)
1970 to 1971	Developed and published a math program for the handicapped (Sponsored by the Education for the Handicapped Act, Part B, State Project Number 1-66-15-33)
1971	Assisted Dr. Michael Carlo in developing assays for "Street Drugs" Angelo State University San Angelo, Texas
1973	Presented research paper at the Texas Academy of Science Houston, Texas
1973 to 1974	Directed a project in San Angelo, Texas, using chemical and biological tests to locate sites of sewage leading into the city water supply. The same procedure was used to locate underground oil contamination in Garden City, Texas. The results were televised and corrective action was taken.
1975	Worked on the Role and Scope Committee for the Growth of the Graduate School at UTHSCD
1975	Attended the Role and Scope retreat for the School of Graduated Studies for the Growth of the Graduate School at
	UTHSCD
1975 to 1976	UTHSCD Served as pharmacology student representative to the Graduate Executive Council

1977	Presented research paper at the Texas Pharmacology Meeting Galveston, Texas
1977	Presented research paper at FASEB Chicago, Illinois
1978	Presented research paper at FASEB Atlantic City, New Jersey
1978	Presented research paper at the Southwestern Association of Toxicologists San Antonio, Texas
1979	Presented research paper at the Texas Academy of Science, Arlington, Texas
1979	Presented research paper at the Southwestern Association of Toxicologists Albuquerque, New Mexico
1979	Presented research paper at the Southwestern Association of Toxicologists Houston, Texas
1980	Presented a research paper at the Southwestern Association of Toxicologists Bossier City, Louisiana
1980	Participated in CHEMLINE, a computer assisted program which teaches the user how to search CHEMLINE, a data base of the National Library of Medicine (Knowledge of CHEMLINE is important when accessing TOX-LINE and other National Library of Medicine databases)
1980	Assisted EPA Region VII in developing actions on the dioxin wastes at the Veronal farm site in Aurora, Missouri, by speaking at the town meeting
1980	Served as guest lecturer at the Texas/Southwestern Conference- Manufacturing Division Dallas, Texas
1981	Presented a program on "Water Quality" to the League of Women Voters Denton, Texas

1981	Lectured on Toxicology, Water and Food to the Louisiana Environmental Health Association Lake Charles, Louisiana
1981	Lectured on the health effects of toxic materials as guest speaker of the Hazardous Waste Management Program University of Southwestern Louisiana
1981	Spoke on industrial toxicology at the Water Utilities Short School Laboratory Technology session University of Texas Arlington, Texas
1981	Presented a toxicology three-day seminar to state and federal employees from Texas, Louisiana, Arkansas, New Mexico and Oklahoma
1981	Participated in a three-day seminar entitled "Childhood Lead Toxicity Issues and Constraints," New Orleans, Louisiana
1981	Attended the International Symposium on Chlorinated Dioxins and Related Compounds Arlington, Virginia
1982	Presented a faculty and student seminar on Environmental Toxicology University of Texas at Dallas
1982	Assisted the Texas Air Control Board in finding causes of skin rashes in the Deer Park Area, Houston, Texas
1982	Participated as panel member of a symposium on lead poisoning at U.T. Southwestern Medical School
1982	Presented analytical findings on natural products to National Nutritional Food Association meeting in Florida
1983	Assisted in development of Avacare College for the study of health and beauty aids
1983	Presented a paper on Aloe vera at the 45th Annual National Nutritional Foods Association Convention and Trade Show Denver, Colorado

1983	Assisted in the development of the Carrington Dermal Wound Treatment System
1984	Helped develop a training program and manual for salesmen to use in selling the Carrington Dermal Wound Treatment System
1985	Presented over thirty seminars on water purification in the United States and Canada
1985	Spoke at the Regional Conventions of Avacare College
1985	Taught skin and hair physiology at the Avacare College
1985	Spoke on physiology of the skin and the effects of aesthetic treatment, sponsored by American Institute of Esthetics Long Beach, California
1988	Attended 102nd AOAC Annual International Meeting and Exposition Palm Beach, Florida
1988	Attended 67th Annual Meeting Texas Society of Pathologists Galveston, Texas
1989	Lectured on Poisons and Antidotes to Physician's Assistants U.T. Southwestern Medical School Dallas, Texas
1990	Spoke at the 9th Annual International Aloe Science Council DFW Marriott Grapevine, Texas
1990.	Attended EEC Pharmaceutical Law Forum Royal Windsor Hotel Brussels, Belgium
1991	Attended 1st European Tissue Repair Society Meeting, "New Insights" Oxford University United Kingdom
1991	Attended FASEB Summer Research Conference "Modulation of Wound Healing"

	Saxton River, Vermont
1991.	Attended the Symposiums on Advanced Wound Care New Orleans, Louisiana
1992	Lectured on Poisons and Antidotes to Physician's Assistants U.T. Southwestern Medical School Dallas, Texas
1992.	Toxicology lecture to Physician's Assistants U.T. Southwestern Medical School Dallas, Texas
1994	Lectured to the International Aloe Science Council
1993.	Toxicology lecture to Physician's Assistants U.T. Southwestern Medical School Dallas, Texas
1996.	Presented "The Many Potential Benefits of Aloe Polymannose (Manapol)." Second Annual International Congress on Alternative & Complementary Medicine Alexandria, Virginia

PUBLICATIONS

Books and Book Chapters

- 1. McAnalley BH, Eddy L. <u>A Continuous Progress Program in Mathematics.</u> Angelo School System, 1970.
- 2. McAnalley BH, Donoho D. <u>Mathematics for the Handicapped</u>. Texas Region XV, 1971.
- 3. McAnalley BH. Poisons and antidotes. IN: <u>Goth's Medical Pharmacology:</u> Twelfth Edition. Clark WG, et al. (eds) 1988. Mosby Year Book. St. Louis.
- McAnalley BH. Drug concentrations in blood: 1) Therapeutic drug concentrations and 2) Toxic and lethal blood concentrations. IN: <u>Goth's Medical Pharmacology: Twelfth Edition</u>. Clark WG, et al. (eds) 1988. Mosby Year Book. St. Louis.

- McAnalley BH. Chemistry of alcoholic beverages. IN: <u>Medicolegal</u>
 <u>Aspects of Alcohol Determination in Biological Specimens</u>. Garriott JC
 (ed). PSG Publishing Company. Littleton, Massachusetts, 1988.
- 6. McAnalley BH. Poisons and antidotes. IN: <u>Goth's Medical Pharmacology:</u> <u>Thirteenth Edition</u>. Clark WG, et al. (eds) 1992. The C.V. Mosby Co. St. Louis.
- 7. McAnalley BH. Drug concentrations in blood: 1) Therapeutic drug concentrations and 2) Toxic and lethal blood concentrations. IN: <u>Goth's Medical Pharmacology: Thirteenth Edition</u>. Clark WG, et al. (eds.) 1992. The C.V. Mosby Co. St. Louis.
- 8. McAnalley BH. Chemistry of alcoholic beverages. IN: Medicolegal
 Aspects of Alcohol Determination in Biological Specimens. Second
 Edition. Garriott JC (ed.). Lawyers & Judges Publishing Co. Inc. Tucson,
 Arizona, 1993.
- 9. McAnalley BH. Chemistry of alcoholic beverages. IN: Medicolegal Aspects of Alcohol. 3rd Edition. Garriott JC (ed.). Lawyers & Judges Publishing Co. Inc. Tucson, Arizona, 1996.
- McAnalley BH. Chemistry of alcoholic beverages. IN: Medical-Legal Aspects of Alcohol. 4th Edition. Garriott JC (ed.). Lawyers & Judges Publishing Co. Inc. Tucson, Arizona, 2003.
- 11. Gardiner TH, Vennum EP, McAnalley SA, McAnalley BH. <u>Choices:</u>
 <u>Choosing the Right Dietary Supplements for Optimal Health—Which Ones, Why, and How Much</u>? Talking Stick Publishing Corp. Grand Prairie, Texas, 2004.
- 12. Bill H. McAnalley. <u>The Science Behind Aloe: *The Healing Plant* McAnalley & Associates. Grand Prairie, Texas, 2009</u>

Additional Books and Book Chapters about Acemannan

- Smalley RV, Oldham RK. Chemical inducers of lymphokines. IN: <u>Principles of Cancer Biotherapy</u>. Oldham RK. New York. Raven Press; 1987: 299-325
- 2. Tizard IR. <u>Veterinary Immunology: An Introduction</u>. W.B.Saunders Company. Harcourt Brace Jovanovich, Inc.; 1992.

3. Roitt IM, Peter J.Delves. Drugs that affect the immune system. Roitt IM, Delves PJ. Encyclopedia of Immunology. San Diego, CA, Academic Press, Inc. 1992: 447-456

Peer-Reviewed Manuscripts with Bill McAnalley

- 1. Gardiner TH, McAnalley BH. Species comparison of phenol red transport and binding in the mammalian lung. Gen Pharmacol. 1977;8(4):235-8. PMID: 590729 [PubMed - indexed for MEDLINE]
- 2. Gardiner TH, McAnalley BH. Effect of lung edema on the pulmonary absorption of drugs. Life Sci. 1978 Oct 30;23(17-18):1827-33. PMID: 723452 [PubMed - indexed for MEDLINE]
- 3. McAnalley BH, Lowry WT, Oliver RD, Garriott JC. Determination of inorganic sulfide and cyanide in blood using specific ion electrodes: application to the investigation of hydrogen sulfide and cyanide poisoning. Journal of Analytical Toxicology. 1979; 3:111.
- 4. Gardiner TH, McAnalley BH, Heaton J, Reynolds RC. Changes in the pulmonary uptake and binding of drugs in an experimental model of lung fibrosis. Toxicol Appl Pharmacol. 1979 Jul;49(3):487-96. PMID: 473215 [PubMed - indexed for MEDLINE]
- 5. Schulz WW, McAnalley WH, Reynolds RC. Freeze-fracture study of pulmonary lamellar body membranes in solid crystal phase. J Ultrastruct Res. 1980 Apr;71(1):37-48. PMID: 7373703 [PubMed - indexed for MEDLINE]
- 6. McAnallev BH, Gardiner TH, Garriott JC. Cyanide concentrations in blood after amygdalin (laetrile) administration in rats. Vet Hum Toxicol. 1980 Dec;22(6):400-2. PMID: 7210468 [PubMed - indexed for MEDLINE]
- 7. Horadam VW, Sharp JG, Smilack JD, McAnalley BH, Garriott JC, Stephens MK, Prati RC, Brater DC. Pharmacokinetics of amantadine hydrochloride in subjects with normal and impaired renal function. Ann Intern Med. 1981 Apr;94(4 pt 1):454-8. PMID: 7212501 [PubMed - indexed for MEDLINE]
- 8. Daniel DR, McAnalley BH, Garriott JC. Isopropyl alcohol metabolism after acute intoxication in humans. J Anal Toxicol. 1981 May-Jun;5(3):110-2 PMID: 7265921 [PubMed - indexed for MEDLINE]
- 9. Heaton JD, McAnalley BH, Gardiner TH, Johnson AR. Uptake and release of ¹⁴C-morphine by pulmonary endothelium and cultured pulmonary

- endothelial cells. <u>Gen Pharmacol</u>. 1982;13(2):105-10. PMID: 7095389 [PubMed indexed for MEDLINE]
- 10. Kurt TL, McAnalley BH, Garriott JC. Organic lead encephalopathy from gasoline sniffing in an adolescent. <u>Texas Medicine</u>. 1982; 78:52-54.
- 11. McAnalley BH, Garriott JC, Daniel DR, McAnalley ER. Unusual elimination of ethyl alcohol: a comparison of infants with adults. <u>Journal of the American Medical Association</u>, 1983.
- 12. Danhof IE, McAnalley BH. Stabilized aloe vera: effect on human skin cells. <u>Drug and Cosmetic Industry</u>, August, 1983.
- Lewis GD, Laufman AK, McAnalley BH, Garriott JC. Metabolism of acetone to isopropyl alcohol in rats and humans. <u>J Forensic Sci</u>. 1984 Apr; 29(2):541-9. PMID: 6726158 [PubMed - indexed for MEDLINE]
- Northup L, Reed G, McAnalley B, Anderson RJ. Seizures due to maprotiline overdose. <u>Ann Emerg Med.</u> 1984 Jun;13(6):468-70. PMID: 6428280 [PubMed - indexed for MEDLINE]
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Additional Peer-Reviewed Manuscripts

The research for the below publications was done under my direction and supervision while I was Vice President of Research and Development for Carrington Laboratories. These studies were conducted in Institutions of Higher Learning (We paid for them)

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- 25. McDaniel HR, Pulse T, Watson T, McAnalley BH. Prediction and results obtained using oral acemannan in 41 symptomatic HIV patients. Stockholm, Sweden. IV International Conference on AIDS, June 1988.
- 26. McAnalley BH, Carpenter RH. Acemannan-induced dysynthesis of HIV envelope glycoprotein. San Francisco, California. 8th International Symposium on Medical Virology, September 1988.
- 27. McDaniel HR, Pulse T, McAnalley BH et al. Clinical and objective evidence of a favorable response to acemannan treated HIV-1 patients. San Francisco, California. 8th International Symposium on Medical Virology, Sept. 1988.
- 28. Kemp MC, Chinnah AC, Tizard IR, Carpenter RH, McDaniel HR, McAnalley BH. Evidence for systemic immunomodulation by acemannan. Chateau Lake Louise, Alberta, Canada. 5th International Symposium on the Immunobiology of Proteins and Peptides, October 1988.
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- 34. Kemp MC, Chinnah AD, McAnalley BH, Carpenter RH, McDaniel HR. Effect(s) of acemannan (Carrisyn™) on the replication of enveloped viruses, Houston, Texas. 29th Interscience Conference on Antimicrobial Agents and Chemotherapy, September 1989.
- 35. Kahlon JB, Kemp MC, McAnalley BH et al. Effect of acemannan on t-cell proliferation and HIV-1/LAV replication *in vitro*. Alberta, Canada. 6th International Conference on Comparative and Applied Virology: Virus Variability, Epidemiology and Control of Diseases, October 1989.
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- 39. McDaniel HR, Carpenter RH, Kemp MC, Kahlon JB, McAnalley BH. Extended treatment of HIV-1 patients with oral acemannan: an immune modulator. Peebles, Scotland. 6th International Symposium on Infections in the Immunocompromised Host, June 1990.
- 40. Kemp MC, Kahlon JB, Carpenter RH, McAnalley BH, McDaniel HR, Shannon WM. Concentration-dependent inhibition of AIDS virus replication and pathogenesis by acemannan *in vitro*. San Francisco, California. 6th International Conference on AIDS, June 1990.
- 41. McDaniel HR, Carpenter RH, Kemp MC, Kahlon JB, McAnalley BH. HIV-1-infected patients respond favorably to oral acemannan. San Francisco, California. 6th International Conference on AIDS, June 1990.
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- 44. McDaniel HR, Combs CM, McDaniel Hrex, Carpenter RH, Kemp MC, McAnalley BH. The numbers of circulating monocyte/macrophages in peripheral blood area of diagnostic significance. Dallas, Texas. American Society of Clinical Pathologists Fall Meeting, October 1990.
- 45. McDaniel HR, Combs CM, McAnalley BH, Kahlon JB. Examination of circulating macrophage/monocytes in routing hematology specimens and their significance in disease. Dallas, Texas. American Society of Clinical Pathologists Fall Meeting, October 1990.
- 46. Eberendu AR, McAnalley BH, McDaniel HR. Comparison of effectiveness of commercial wound cleansers using an artificial wound environment (AWE)* model, absorption spectrometry and gravimetry. Paper presented at Symposium on Advanced Wound Care. New Orleans, April 23-25 1991.
- 47. Carpenter RH, Yates KM, Busbee DL, King G, Tizard IR, McAnalley BH. Clinical applications of a biological response modifier (acemannan) in veterinary clinical medicine. Seoul, Korea. International Congress of Phytotherapy, October 1991.
- 48. Kemp MC, Kahlon JB, Chinnah AD, Yawei N, Carpenter RH, McDaniel HR, McAnalley BH. *In vitro* antiviral effects of a polydispersed b-(1,4)-linked mannan. Seoul, Korea. International Congress of Phytotherapy, Oct. 1991.
- 49. Eberendu AR, McAnalley BH, McDaniel HR. A comparison of the physiochemical properties and effectiveness of commercial wound cleansers. Abstract presented at the 8th Annual Scientific Sessions the Academy of Surgical Research, St. Charles, Illinois, September 1992.
- 50. McDaniel HR, Rosenberg LJ, McAnalley BH: CD4 and CD8 lymphocyte levels in acemannan (ACM)-treated HIV-1 infected long-term survivors. Presented at the IXth International Conference on AIDS, Berlin, Germany, June 6-11, 1993.
- 51. Kemp MC, Chinnah AD, Clark FD, Warnick RE, McAnalley BH. The adjuvant and immunopotentiaing effects of a polydispersed B-(1,4)-linked acetylated mannan. Butterworth-Heinemann Conference-Immunopotenitators in Modern Vaccines. Paris, France, September 1993.

- 52. Kemp MC, Marshall GD, Chinnah AD, Yates KM, Rosenberg LJ, Tizard IR, McAnalley BH. *In vitro* immunological effects of acemannan, a polydispersed B-(1,4)-linked acetylated mannan. Butterworth-Heinemann Conference-Irnmunopotentiators in Modern Vaccines. September 1993.
- 53. McAnalley BH: Aloe vera: an antiviral?. Korean Society of Pharmacognosy International Seminar of Scientific Research on Aloe Seoul, Korea, October 7, 1993.

Additional Peer-Reviewed Abstracts funded and conducted under my direction.

The research for the below publications was done under my direction and supervision while I was Vice President of Research and Development for Carrington Laboratories.

- 1. Weerts D, De Wit S, Gerard M, Rahir F, Jonckheere J, Clumeck N: A phase II study of (Carrisyn ™) (acemannan) alone and with AZT among symptomatic and asymptomatic HIV patients (p). Presented at the 6th International Conference on AIDS, San Fransisco, California, June 20-21, 1990.
- Carpenter RH, Harris CK, Bronstad DC, King G, Biehle GA, Walker B, Yates KM, Tizard IR: Effect of acemannan in treatment of feline immunodeficiency virus-infected cats. Presented at 1st International Conference of Feline Immunodeficiency Virus Researchers, Davis, California, September 4-7, 1991.
- 3. Rosenberg LJ, Yates KM: Improved feline peripheral blood mononuclear cell preparation for flow cytometry. Presented at the First International Conference of Feline Immunodeficiency Virus Researchers, University of California, Davis, CA, September 4-7, 1991.
- 4. Tizard IR, Carpenter RH, Kemp MC: Immunoregulatory effects of a cytokine-release enhancer (acemannan). Presented at the International Congress of Phytotherapy, Seoul, Korea, October 1991.
- 5. Yates KM, Carpenter HR, Harris CK et al. Use of acemannan in treatment of feline immunodeficiency virus disease. Minneapolis, Minnesota. Veterinary Cancer Society 11th Annual conference, October 1991.
- 6. King G, Harris C, Yates KM: Use of acemannan as an aid in the treatment of fibrosarcoma in dogs and cats. Presented at the American College of

- Veterinary Surgeons (ACVS) Veterinary Symposium: Small Animal San Francisco, CA, October 13-16, 1991.
- 7. King G, Carpenter RH, Yates KM: Use of acemannan immunostimulant as an aid in treatment and management of fibrosarcoma in dogs and cats. Presented at 11th Annual Conference of Veterinary Cancer Society, Minneapolis, Minnesota, October 27-29, 1991.
- 8. Tizard I, Carpenter RH: Acemannan's biological activity and effect on norman murine sarcoma in mice. Presented at 11th Annual Conference of Veterinary Cancer Society, Minneapolis, Minnesota, October 27-29, 1991.
- 9. Azghani A, Williams I, Holiday D, Johnson A: A b-linked mannan inhibits adherence of P. Aeuroginosa to lung epithelial cells. Poster/Slide Presentation at the ASM General Meeting, New Orleans, LA. May 1992.
- 10. Yates KM, Rabound J, Tizard IR: Pilot study of the effect of acemannan in cats infected with feline immunodeficiency virus. Presented at the 2nd Annual National Conference on HIV/AIDS Research, Vancouver, B C, May 28-29, 1992.
- 11. Reudy J, Singer J, Gill J, Arseneau R, Savage B, MacNeil N, Rabound J, Montaner JS: A randomized placebo-controlled pilot study of acemannan used as an adjunct to antiretroviral therapy: preliminary results. Presented at the 8th International Conference on AIDS/III STD World Congress, Amsterdam, The Netherlands, July 19-24, 1992.
- 12. Parnell LS, Chinnah AD, Tizard IR. The effect of an acetylated mannan on wound healing in guinea pigs. <u>Eur Tiss Repair Soc</u>. Aug 26, 1992.
- 13. Tizard IR: The effect of acemannan on the healing of wounds in experimental animals. Presented at the International Symposium on Wound Healing and Wound Management, New Orleans, Louisiana, October 10-12, 1992.
- 14. Marshall GD. Cytokines: clinical potentials for the allergic patient. <u>Allergy Proc.</u> 1992 Nov; 13: 311-315.
- 15. Tizard IR. Use of immunomodulators to effect wound healing in an aging animal (Poster Presentation). Am Aging Assoc 23rd Ann Mtg/Am Coll Clin Gerontol 8th Ann Mtg. 1993; 24-
- 16. Marshall GD, Gibbons AS, Parnell LS: Human cytokines induced by acemannan. Poster Presentation at the 50th Annual Meeting of the American Academy of Allergy and Immunology, Chicago, Illinois; March 12-17, 1993.

- Tizard IR, Busbee D, Kemp MC: Rapid acceleration of wound healing in young and old rats induced by application of a complex carbohydrate. Presented at the Keystone Symposium, Silverthorne, Colorado, March 29-April 4, 1993.
- 18. Kemp MC: The antiviral and immunopotentiating effects of acemannan: a polydispersed b-(1,4)-linked acetylated mannan. Presented at the Cambridge Healthtech Institute Conference on Glycotechnology, San Francisco, California, May 17-19, 1993.
- 19. Singer J, Gill J, Arseneau R, McLean B, Rabound J, Reudy J, Montaner JS: A randomized placebo-controlled trial of oral acemannan as an adjunctive to anti-retroviral therapy in advanced HIV disease. Presented at the IXth International Conference on AIDS, Berlin, Germany, June 6-11, 1993.
- 20. Yates KM, Kemp MC, Rabound J, Ford CR, Tizard IR: A comparison of the effects of acemannan (ACM) given by three routes of administration to feline immunodeficiency virus (FIV)-infected cats. Presented at the IXth International Conference on AIDS, Berlin, Germany, June 6-11, 1993.
- 21. Karaca K, Sharma JM, Nordgren R: The effect of acemannan on nitric oxide production by chicken mononuclear cells and a macrophage cell line. Presented at the 130th Annual Meeting of the AVMA, Minneapolis Minnesota, July 17-21, 1993.
- 22. Sharma JM, Karaca K, Pertile TL, Nordgren RM: Reduced viral immunodepression in chickens treated with an immunomodulator. Presented at the 130th Annual Meeting of the AVMA, Minneapolis, Minnesota, July 17-21. 1993
- 23. Ramamoorthy L, Kemp MC, Tizard IR: Effect of acemannan on the production of cytokine in a macrophage cell line Raw264.7. Presented at the Joint Meeting of the European Tissue Repair Society and Wound Healing Society, Amsterdam, Netherlands, August 22-25, 1993.
- 24. Swaim SF, Ridell KP, McGuire JA: The effects of acemannan on wound healing models in the dog. Presented at the Joint Meeting of the European Tissue Repair Society and Wound Healing Society, Amsterdam, Netherlands, August 22-25, 1993.
- 25. Tizard IR, Maxwell B, Kemp MC, Chinnah AD: Accelerated wound healing induced by macrophage stimulants in rats: a genetically controlled phenomenon. Presented at the Joint Meeting of the European Tissue

- Repair Society and Wound Healing Society, Amsterdam, Netherlands, August 22-25, 1993.
- 26. Tizard IR, Maxwell B, Kemp MC, Chinnah AD: Comparison of the effects of acemannan on wound healing in young, old obese and old caloriedeprived rats. Presented at the Joint Meeting of the European Tissue Repair Society and Wound Healing Society, Amsterdam, Netherlands, August 22-25, 1993.
- 27. Busbee D, Merriam E, Campbell B: Immune function differences in aged and young rodents: effects of an acetylated b(1,4)-linked polymannose as an immunomodulator. Presentation at the American Aging Association 23rd Annual Meeting, Montreal, Quebec, October 8-12, 1993.
- 28. Marshall GD: Cytokine production in the elderly: implications for therapeutic manipulations. Presentation at the American Aging Association 23rd Annual Meeting, Montreal, Quebec, October 8-12, 1993.
- 29. Santiago C. Clinical experience with Carrasyn™ Freeze-Dried Gel (Carrasyn FDG™) in full-thickness wounds. Presented at the Clinical Symposium on Pressure Ulcers, October, Nashville, TN. 1994.
- 30. Seeley JE, Mulder GD, Jensen J, Andrews K. A controlled, randomized, comparative study of wound dressing(containing a complex polymannose hydrogel)and gauze in the treatment of diabetic ulcers. Presented at the Symposium on Advanced Wound Care, Miami, Florida, April 28-30, 1994.
- 31. Tizard I, Kemp M. Use of macrophage stimulating agents to stimulate wound healing in aged rats. Presented at the Symposium on Advanced Wound Care, Miami, Floria, April 28-30, 1994.
- 32. Kemp MC, Ni Y, Tizard IR: Role of acemannan, a complex carbohydrate, in acceleration of the wound healing process: binding of selected growth factors. Presented at the 4th Annual Scientific Meeting of the Wound Healing Society, San Francisco, CA. May 18-21, 1994.
- 33. Ni Y, Kemp MC, Tizard IR: Identification of monocyte/macrophage proteins that bind to acemannan, a b-(1,4)-linked acetylated mannan. Presented at the 4th Annual Scientific Meeting of the Wound Healing Society, San Francisco, CA. May 18-21, 1994.
- 34. Lindblad WJ, Thul J. Sustained increase in collage biosynthesis in acemannan impregnated PVA implants in the rat. Presented at the 4th Annual Scientific Meeting of the Wound Healing Society, San Francisco, CA. May 18-21, 1994.

- 35. Kemp MC, Ramamoorthy L, Zhang L, Tizard IR: Combinations of IFN-g and acemannan differentially regulate expression of the inducible nitric oxide gene in raw 264.7 cells. Presented at the European Immunology Meeting, Barcelona, Spain, June 14-17, 1994.
- 36. Kemp MC, Ni Y, Tizard IR: Alternative role for acemannan in the acceleration of wound healing: a subset of heparin binding growth factors bind to acemannan. Poster presentation at the 4th Annual Meeting of the European Tissue Repair Society, Oxford, England, August 25-28, 1994.
- 37. Ni Y, Kemp MC, Tizard IR: Monocyte/macrophage exhibit receptor proteins specific for acemannan. Presented at the 4th Annual Scientific Meeting of the European Tissue Repair Society, Oxford, England. August 25-28, 1994.
- 38. Mulder GD, Jensen JL, Seeley JE, Peak-Andrews K: A controlled, randomized, comparative study of Carrisyn® hydrogel wound dressing and gauze in the treatment of diabetic ulcers. Presented at the 4th Annual Scientific Meeting of the European Tissue Repair Society, Oxford, England. August 25-28, 1994.
- 39. Mulder GD, Jensen JL, Seeley JE, Peak-Andrews K: A controlled randomized study of an amorphous hydrogel to expedite closure of diabetic ulcers. Presented at the 4th European Conference on Advances in Wound Management, Copenhagen, Denmark. September 6-9, 1994.
- 40. Tizard I. Pre-clinical and clinical development of a complex carbohydrate therapeutic: acemannan. Presented at the Carbohydrate-Based Therapeutics Conference, Washington, DC. September 28-30, 1994.
- 41. Robinson M, Reich C, Lashner B et al. Evaluation of oral acemannan in active ulcerative colitis. Presented at the American College of Gastroenterology, San Francisco, CA. September 28-October 1, 1994.
- 42. Reich C, Tiomny E, Gilat T. Evaluation of oral acemannan in active ulcerative colitis. Presented at the 10th Annual Congresses of Gasteroenterology, Los Angeles, CA. October 3-6, 1994.
- 43. Talmadge J, Kelsey L, Brown G, Egger S, Rosenberg L. Acemannan, a polysaccharide with hematopoietic properties. Presented at the American Society for Blood and Marrow Transplantation 1st Annual Meeting, Keystone, CO. January 26-28, 1995.

UNDERGRADUATE COLLEGE COURSES

Chemistry -24 semester hours
Mathematics -24 semester hours
Physics -20 semester hours
Biology -8 semester hours
Biostatistics -3 semester hours

GRADUATE COLLEGE COURSES

Toxicology- 61 semester hours Pharmacology -40 semester hours Biochemistry- 20 semester hours Chemistry -24 quarter hours Biology -24 semester hours

PAST PROFESSIONAL CONSULTANT TO THE FOLLOWING

U.S. Environmental Protection Agency

U.S. Food and Drug Administration

U.S. Department of Labor, Occupational Safety and Health Administration

U.S. Office of Toxic Substances

U.S. Department of Justice

Texas Attorney General's Office

Louisiana Department of Natural Resources

Louisiana Attorney General's Office

United El chem Industries, Inc.

H.E. Butt Grocery Company

Helene Curtis Industries. Inc.

Craddock and McDowell, Limited

Southern Methodist University

National Aloe Science Council

National Nutritional Food Association

CLIENTS AND PROJECTS

United El chem Industries, Inc. (Mr. Tom Locashio -contact) 114535 Reeder Road Dallas, Texas 75229 (Studied health effects of chemicals in plastic pipe)

H.E. Butt Grocery Company P.O. Box 9216 Corpus Christi, Texas 78408 (Proved food was safe for human consumption)

Helene Curtis (Dr. Meltzer -contact)
Chicago, Illinois
(Provided toxicological product evaluation/prepared medical-legal defense)

Orgain, Bell and Tucker
470 Orleans Street
Beaumont, Texas 77701
(Provided scientific consultation for James E. Raza et al. vs. Independent
Refining Corp., et al OB & T File XX-7213)

MEDICAL-LEGAL EXPERIENCE (scientific consultant/expert witness)

United States District Court, District of New Jersey United States of America, Plantiff vs. Nick Li Pari Landfill, Defendant

United States District Court
Eastern District of Louisiana -Jude Arceneaux
United States of America, Plantiff vs. 2001, Inc.; Southeastern Chemical
Company, Inc., Remy Gross II and Robert Weiner, Defendants

United States District Court, Eastern District of Arkansas -Judge Woods United States of America, Plantiff vs. Vertac Chemical Corporation and Hercules Inc., Defendants

United States District Court, Middle District of Louisiana -Judge Polozola United States of America, Plantiff vs. Petro Processors of Louisiana, Inc., U.S.S. Chemical Co., Copolymer Rubber and Chemical Corp.; Uniroyal corp.; Dow Chemical Co.; Ethyl Corp.; Shell Chemical Corp.; American Hoechst Co.; Exxon Corporation; Exxon Chemical Corp. and Rubicon Chemical Corp., Defendants

United States District Court Southern District of Texas, Brownsville Division -Jude Vela United States of America, Plantiff vs. Frank J. Dusek; Helena Chemical Co. and Tex-Ar, Inc., Defendants

United States District Court, Western District of Wisconsin United States of America, Petitioner vs. Dr. Deborah A. Barsotti; Dr. Merel A. Evenson; Dr. Stanley Inhorn; S.K. Schwartz; The Board of Regents of the University of Wisconsin and John V. Miller, Respondents

Louisiana Environmental Control Commission

State Commissioners Court

Louisiana Department of Natural Resources vs. Rollins Environmental Services (Exxon Chemical Co.)

Craddock and McDowell, Limited

Consulting Engineering and Fire Science

Two Kingwood Place

Kingwood, Texas 77339

(Provided scientific consultation, experimental design, analysis, interpretation and prepared a medical-legal defense)

Southern Methodist University

P.0. Box 237

Dallas, Texas 75275

(Conducted scientific investigation of suspected metal poisoning)

Gardere & Wynne (Jess Rickman, III)

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1500 Diamond Shamrock Tower

Dallas, Texas 75201

(Vina Sue McCoy vs. Virginia Chemical Company)

Mehaffy, Weber, Keith and Gonsoulin (John Smith)

Attorneys and Counselors at Law

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Orange, Texas 77630

(Raza et al vs. Craddock and McDowell)

Vial, Hamilton, Koch, Tulb, Knox and Stradley

Attorneys and Counselors at Law (Christopher A. Payne)

Dallas, Texas 75201

(Betty Clark vs. Helene Curtis Industries, Ind.)

Avacare (Clinton Howard)

9200 Carpenter Freeway

Dallas, Texas 75247

(Provided general scientific consulting and laboratory services)

AloMega Laboratories (Don Smothers)

9002 Chancellor Row

Dallas, Texas 75247

(Provided scientific consulting and laboratory analysis)

Aloe Vera of America (Bill Coats)

802 Easy Street

Garland, Texas 75042

(Provided scientific consulting and laboratory services)

United States District Court Southern District of Texas, Houston Division -Grand Jury United States of America vs. Gulf Electroquip, et al.

United States District Corp.
Southern District of Texas, Brownsville Division
United States of America vs. Monochem, Diamond Shamrock, Inserv, et al.

United States District Court, Lubbock, Texas Vina Sue McCoy vs. Virginia Chemical Company

Committee on Public Works and Transportation U.S. House of Representatives/ Subcommittee on Investigation and Oversight B376 Rayburn Building Washington, D.C. 20515

United States District Court -Judge Hill 1100 Commerce Street Dallas, Texas 75242 Marva R. Baker, et al. vs. Dixie Metals Company, et al.

United States District Court Central District of California -Judge Robert M. Takasugi Nutri-Metics Inlternational vs. Carrington Laboratories, Inc.

United States District Court Northern District of Texas -Judge Kaplan Dallas Division Mannatech Inc. vs Glycobiotics international, Inc