

FRED D. LEHMAN

DVM, DACT, MABM, PMP

SUMMARY OF QUALIFICATIONS:

Doctor of Veterinary Medicine dedicated to adding value to organizations, projects, and products **by merging science and business**. Independent performer as well as leader of teams, yielding enhancement of the well-being of the organization through proper application of scientific and business principles. Strengths include:

- Leader of people, both formally and informally. History of influence and driving performance with or without line reporting relationships while developing consensus and exceeding expectations.
- Works both strategically and tactically. Demonstrates capacity to translate organizational vision into strategic direction, then to results.
- Ability to bring a vision to reality while capitalizing on the contributions of individuals within the organization, from senior leaders to entry-level employees.
- Experienced [Project Management Professional](#) (PMP) with skills in screening and assessing the organizational “fit” of new ideas and technologies; leading to their transformation into projects and actions; then into deliverables, adoption and ultimately, positive outcomes.
- Business skills stemming from ownership of a small business (mixed veterinary practice—70% small animal / 30% food animal) and a [Masters Degree in Agri-Business Management](#) (MABM).
- Industry leader with dedication to organized veterinary medicine, highlighted by service as President of the [Society for Theriogenology](#), (e.g. professional animal reproduction organization).

PROFESSIONAL EXPERIENCE:

BOEHRINGER INGELHEIM VETMEDICA, INC., St. Joseph, MO **2009 to Present**

Sr. Associate Director, Business Development & Licensing (2011-Present)

Lead, US in-licensing activity for new technology acquisitions. Accountable for evaluating, acquiring and protecting intellectual property. Actively lead/facilitate scouting, evaluation and acquisition of new (and/or divestiture of) assets for the US and global pharmaceutical and biological portfolio. Have led negotiations for major asset acquisitions, new product/ingredient acquisitions, and distribution agreements. Record of effective strategic communication and organizational effectiveness. Completed a 6-month assignment in Global Headquarters in Ingelheim, Germany in 2013-2014. Honored with Global “Getting Connected” Award, 2015.

Technical Manager, Cattle Segment (2009-2011)

Provided leadership for technical positioning of a \$150M cattle biologic and pharmaceutical portfolio in partnership with 5 marketing managers. Managed \$825K Phase IV research program and managed relationships with R&D, Marketing and Sales. Branding-Sales Strategy team leader and Core Team member.

BAYER ANIMAL HEALTH, Shawnee, KS **2006 to 2009**

New Business Development, Project Manager

In a matrix organization, led 8 global and local teams from R&D, Marketing, Manufacturing, Veterinary Services, and outside contract research organizations (CROs) to advance the development of 21 product candidates towards FDA, EPA or USDA registration, then to on-time commercial launch. Accountable for budgets of up to \$10M. Profiled and presented candidates for Portfolio Committee’s evaluation and adoption.

PFIZER ANIMAL HEALTH, New York, NY *(formerly Pharmacia Animal Health; now Zoetis)* **2001 to 2006**

Director, Cattle Veterinary Operations (Pfizer) (2005-2006)

Director, Cattle Specialty Veterinary Operations (Pfizer) (2003-2005)

Manager, Technical Services, Beef SBU (Pharmacia) (2001-2003)

Member of the Business Unit Operations Leadership Team. Led Cattle Specialty Veterinary Operations personnel (4 direct reports) and Veterinary Operations (32 indirect reports), including harmonization and integration of Pharmacia products, scientific positioning, and message within the Pfizer Animal Health system following acquisition. Managed post-market research program (\$1M budget) for cattle products. Provided in-house marketing support including launch of Excede[®], Draxxin[®] and CIDR[®]. Harmonized and leveled job descriptions and performance metrics for Veterinary Operations.

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MISSISSIPPI STATE UNIVERSITY – College of Veterinary Medicine, Starkville, MS **1997 to 2001**
Extension Leader (1999-2001)

Associate Professor, Diagnostic and Field Services (1997-1999)

Graduate Coordinator for dual-degree (DVM/MS of Veterinary Science, Production Medicine). Taught third- and fourth-year veterinary students in clinical rotations. Provided veterinary service for university and private livestock herds. Participated in production animal medicine-related research. Liaison to agricultural industry organizations.

- Mississippi Beef Quality Assurance Coordinator (BQA) & Founder
- Founded state-wide distance education initiative to deliver continuing education (CE) to veterinarians
- Chaired Curriculum Committee & awarded the *Dean's Pegasus Award for Teaching*
- Mississippi Cattlemen's Association Steering Committee
- Honored as representative to Science, Politics and Animal Health Policy Fellowship

HOECHST ROUSSEL VET, Warren, NJ and Amarillo, TX **1993 to 1997**
Home Office Veterinarian (1996-1997)

Professional Services Specialist (1993-1996)

Administered all professional product inquiry efforts & pharmaco-vigilance. Teamed with product managers, business development and sales colleagues to design and implement marketing strategies and data that were supportive of product performance. Provided technical resources to veterinarians and nutritionists in the field.

MISSISSIPPI STATE UNIVERSITY – College of Veterinary Medicine, Starkville, MS **1991 to 1993**
Theriogenology Resident

Completed requirements for board certification in the American College of Theriogenology while simultaneously completing requirements for a Masters of Agribusiness Management. Taught Production Medicine and Theriogenology in classroom and clinical settings (beef, dairy, equine & companion animals).

ANIMAL HOSPITAL OF PERRYTON, Perryton, TX **1981 to 1991**
Sole proprietor/veterinary practitioner, mixed veterinary practice

Built a thriving practice in a rural community composed of companion animals, equine, bovine and swine

GRAY COUNTY VETERINARY CLINIC, Pampa, TX **1980 to 1981**
Associate Veterinarian, mixed veterinary practice

EDUCATION, CERTIFICATION and LICENSURES:

Doctor of Veterinary Medicine – Oklahoma State University, Stillwater, OK

Diplomat, American College of Theriogenologists – American College of Theriogenology

Master of Agribusiness Management / MABM (MBA equivalent) – Mississippi State University, Starkville, MS

Certified Project Management Professional / PMP – Project Management Institute

Veterinary Licensures: Kansas, Texas and Oklahoma

FASTtrac Entrepreneurship – Kauffman Foundation, Kansas City, MO

Strategic Planning for Facilitators – American Management Association, Chicago, IL

Best Practices in Licensing: Developing, Negotiating & Executing Transactions – LES, San Diego, CA

Mergers and Acquisitions – American Management Association – Las Vegas, NV

Strategic Licensing: Advanced Skills & Tools – LES, Chicago, IL

INDUSTRY, PROFESSIONAL and LOCAL AFFILIATIONS:

- 1991 to Present—**Society for Theriogenology** (SFT) (President 2004)
- 1993 to Present—**American College of Theriogenologists** (ACT) (Diplomat)
- 2010 to Present—**Theriogenology Foundation** (*founding* Treasurer 2010 to 2016)
- 1988 to Present—**Academy of Veterinary Consultants** (AVC)
- 1980 to Present—**American Veterinary Medical Association** (AVMA)
- 2014 to Present—**Licensing Executives Society** (LES)
- 2007 to Present—**Project Management Institute** (PMI)
- 1998 to Present—**Mississippi Cattlemen's Association** (life member)
- 2006 to Present—**United Methodist Church of the Resurrection, Leawood, KS**
Chair Staff-Parish Relations Committee (2010 to present); Chair (2016-2017)

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CURRICULUM VITAE

EDUCATION:

- July 1991 to October 1993 – Theriogenology Residency
College of Veterinary Medicine, Mississippi State University (“**MSU**”), Starkville, MS
Board Certified by the American College of Theriogenologists, August 1993
- August 1991 to June 1993 – Masters of Agribusiness Management (MABM) (MBA equivalent degree) Agribusiness Institute, Departments of Business & Agricultural Economics, Mississippi State University, Starkville, MS
- August 1976 to May 1980 – Doctor of Veterinary Medicine
Oklahoma State University (“**OSU**”), Stillwater, OK
- May 1977 – Bachelor of Science, Pre-Veterinary Science
Department of Animal Science, Oklahoma State University, Stillwater, OK
- August 1973 to May 1976 – Undergraduate studies,
Departments of Biology, Chemistry, and Animal Science, Oklahoma Panhandle State University, Goodwell, OK

VETERINARY LICENSURES:

- Oklahoma: 1980 to Present
- Texas: 1980 to Present
- Kansas: 2009 to Present

VETERINARY SPECIALTY and CERTIFICATION:

- American College of Theriogenologists
- Certified Project Management Professional

INTERNATIONAL CONSULTATION:

- September 2013 to February 2014 – Extended Business Assignment, Global Headquarters, Boehringer Ingelheim Vetmedica, Ingelheim, Germany
- March 2000 – “Overview of Food Safety with Relation to Veterinary Research Institute and AAATA.” IFDC/USAID, Tirana, Albania

ADDITIONAL TRAINING:

- 1) 2015 – *Strategic Licensing: Advanced Skills & Tools* – Licensing Executives Society (“LES”), Chicago, IL
- 2) 2014 – *Best Practices in Licensing: Developing, Negotiating & Executing Transactions* – LES, San Diego
- 3) 2013 – *Mergers and Acquisitions* – American Management Association – Las Vegas, NV
- 4) 2013 – *Strategic Planning for Facilitators* – American Management Association, Chicago, IL
- 5) 2010 – *Configuring Your Message* – Kansas City, MO
- 6) 2010 – *Management Business Skills* – Boehringer Ingelheim Animal Health, Ingelheim, Germany
- 7) 2009 – *FastTrac for Entrepreneurs* – Kauffman Foundation, Kansas City, MO
- 8) 2008 – *Strategic Planning* – American Management Association, Chicago, IL
- 9) 2008 – *Project Management: Persuasion and Influence* – University of Kansas, Lenexa, KS
- 10) 2007 – *PMP Exam Preparation* – Kansas City, MO
- 11) 2007 – *Office International des Epizooties (OIE) Veterinary Biologics Training*, Ames, IA
- 12) 2007 – *Project Management for Biosciences* – University of Kansas, Lenexa, KS
- 13) 2006 – *Microsoft Project II* – Overland Park, KS
- 14) 2006 – *Microsoft Project I* – Overland Park, KS

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- 15) 2005 – *Moving from Management to Leadership* – Exton, PA
- 16) 2005 – *Situational Leadership* – Exton, PA
- 17) 2004 – *Project Management* – New York, NY
- 18) 2004 – *Conflict Resolution* – San Antonio, TX
- 19) 2002 – *Inside-Out Coaching* – Kalamazoo, MI
- 20) 2002 – *Achieving Sales Excellence* – Kalamazoo, MI
- 21) 2002 – *Zodiac Financial Management* – Kalamazoo, MI
- 22) 2002 – *Front-Line Leadership I & II* – Kalamazoo, MI
- 23) 2002 – *Legal Issues for Managers* – Kalamazoo, MI
- 24) 2002 – *Present Yourself with Confidence & Impact* – Kalamazoo, MI
- 25) 2002 – *American Veterinary Medical Association (AVMA) Leadership Conf.* – Chicago, IL
- 26) 2001 – *Targeted Selection* – Kalamazoo, MI
- 27) 2001 – *Presentations with PowerPoint* – Kalamazoo, MI
- 28) 2001 – *Strategic Planning* – Joel Barker, San Francisco, CA
- 29) 2000 – *WebCT* – Mississippi State University, Mississippi State, MS
- 30) 2000 – *Microsoft Access II* – Mississippi State University, Starkville, MS
- 31) 1999 – *DISC Personality Assessment* – AVMA Convention, New Orleans, LA
- 32) 1998 – *DISC Personality Assessment* – Starkville, MS
- 33) 1998 – *Workshop for Recently Appointed Administrators* – Lincoln, NE
- 34) 1996 – *Non-Verbal Communication* – Hoechst Roussel Vet (“HRVet”), Minneapolis, MN
- 35) 1996 – *Coaching* – HRVet, Minneapolis, MN
- 36) 1996 – *The 7 Habits of Highly Effective People* – Covey Institute, Kansas City, MO
- 37) 1995 – *PowerPoint* – Lexington, KY
- 38) 1995 – *The 7 Habits of Highly Effective People*, Covey Institute, Kansas City, MO
- 39) 1994 – *Excel* – HRVet, Urbana, IL
- 40) 1994 – *Burger Writing Course* – Baton Rouge, LA
- 41) 1994 – *Technical Presentations* – AMA, Chicago IL
- 42) 1993 – *Putting First Things First* – Covey Institute, Madison, WI
- 43) 1993 – *Advanced DOS* – Adult Continuing Education, MSU
- 44) 1993 – *Intermediate DOS* – Adult Continuing Education, MSU

CURRENT MEMBERSHIPS IN PROFESSIONAL/SCIENTIFIC SOCIETIES:

- July 2014 to Present – Licensing Executives Society
- March 2007 to Present – Project Management Institute
- July 1998 to Present – Mississippi Cattlemen Association
- May 1980 to Present – American Veterinary Medical Association
- July 1991 to Present – Society for Theriogenology (President, 2004)
- August 1993 to Present – American College of Theriogenologists
- July 1988 to Present – Academy of Veterinary Consultants

PAST MEMBERSHIPS IN PROFESSIONAL/SCIENTIFIC SOCIETIES:

- March 1993 to 2016 – American Association of Bovine Practitioners (“AABP”)
- July 1991 to 2014 – National Cattleman’s Beef Association (“NCBA”)

HONORS:

- 2015 – Boehringer Ingelheim Vetmedica, Global “Getting Connected Award”
- 2008 – Bayer Recognition of Achievement for “Receipt of Marketing Authorization for *Catosal*TM”
- 1994 to 1997 & 2001-2006 – Adjunct Professor, Department of Pathology and Field Services, College of Veterinary Medicine, Mississippi State University
- 2000 – Dean’s *Pegasus Award* – Teaching, Mississippi State University, College of Veterinary Medicine

2000 – Science, Politics, and Animal Health Policy Fellowship, Michigan State University

RESEARCH AREAS (non-proprietary):

- 1) **Lehman, Fred**, T Engelken, Metaphylactic Efficacy of a Novel Antibiotic
- 2) **Lehman, Fred**, T Engelken, R Evans, R Ivy, Implant Performance and Economics in Grazing Stocker Calves
- 3) **Lehman, Fred**, T Engelken, Metaphylaxis Comparison of New Animal Disease Application
- 4) **Lehman, Fred** and Terry Engelken, Comparison of Commercial Implants on Growth of Suckling Calves
- 5) Little, R, C Forrest, G Jackson, M Boyd, WB McKinley, A Williams, T Engelken, **F Lehman**, “The Role of Livestock Marketing Cooperatives in Southeast Cattle Production” Submitted to USDA’s Rural Business Cooperative Service
- 6) Paulsen, D, D Scruggs, T Engelken, F Austin, F Champlin, **F Lehman**, “NC-107 – Bovine Respiratory Disease: risk factors, pathogens, diagnosis and management.”

COLLABORATIVE ACADEMIC RESEARCH:

- 1) Lynnette Howell and John Fuquay, Department of Animal Science, In vitro Progesterone Production from Luteal Cells in Hot or Cool Seasons
- 2) Lynnette Howell and Nancy Cox, Department of Animal Science, Effects of Diabetes Mellitus and Immunization of GRF on Pre-Ovulatory Follicular Growth in the Cycling Gilt
- 3) Tonya Hughey and Nancy Cox, Department of Animal Science, Mississippi State University, Effects of Exogenous Insulin Administration and its Protein Binding Activity During the Preovulatory Period in the Cycling Gilt
- 4) Jose Ramirez and Nancy Cox, Department of Animal Science, Mississippi State University, Effects of Insulin Administration on Reproductive Performance and Back Fat in Sows in a Commercial Pork Operation
- 5) Rick Evans (MAFES Prairie, MS) and Donald M Lucas (Hoffman-LaRoche), Reproductive Effects of Long-term Norgestimate Implants in Beef Heifers
- 6) Tawee Keawkhong and John Fuquay, Department of Animal Science, Comparison of LH Secretion Patterns of Lactating, Cycling Holsteins during an Estrous Cycle in Hot Season as Compared to Cool Season
- 7) Debra Jackson and Stephen Walhalm, Veterinary Physiology, Surgical Embryo Transfer in the Bobcat.
- 8) Terry Engelken, and Rick Evans, Estrus Synchronization Strategies with MGA-Prostaglandin

TEACHING RESPONSIBILITIES:

- 1) Dual Degree Program, Graduate Coordinator, 1997-1999
- 2) College of Veterinary Medicine (“**CVM**”) 5276 Food Animal Practice, Junior Clinical Rotation
- 3) CVM Graduate Mechanisms of Disease, Lecturer
- 4) CVM 8021 Current Topics in Production Medicine, Course Leader
- 5) CVM 5574 Advanced Rotation in Food Animal Practice, Senior Clinical Rotation
- 6) CVM 5374 Food Animal Production Medicine, Lecturer
- 7) CVM 5154 Equine Reproduction, Lecturer
- 8) CVM Year 2 Problem Based Learning Facilitator and Resource Faculty

COMMITTEES:

External (non-proprietary):

- 1) 2010 to 2016 – Theriogenology Foundation, Treasurer
- 2) 2015 – Kansas City Area Life Sciences Institute, Committee Liaison
- 3) 2014 – Theriogenology Foundation Strategic Planning, Facilitator
- 4) 2004 to 2006 – American Association of Bovine Practitioners, Research Abstract Committee
- 5) 2004 to 2006 – Dean’s Food Animal Advisory Committee, Kansas State University
- 6) 2001 to 2004 – NCBA Growth Enhancement Technology, Member
- 7) 2000 to 2001 – American Association of Extension Veterinarians, Treasurer
- 8) 1998 to 2004 – Society for Theriogenology, Board of Directors
 - (a) Strategic Planning Facilitator – Therio Foundation, 2014
 - (b) Strategic Planning Facilitator, 2013
 - (c) Past-President, 2004 to 2005
 - (d) President, 2003 to 2004
 - (e) President-Elect, 2002 to 2003
 - (f) Vice-President, 2001 to 2002
 - (g) Constitution & By-Laws Revision Chairman, 1998 to 1999
- 9) 1999 to 2001 – Mississippi Veterinary Medical Association, Program Committee
- 10) 1998 to 2001 – American Association of Bovine Practitioners, Membership Committee
- 11) 1995 to 1996 – Academy of Veterinary Consultants, Program Committee

University:

- 1) 2000 to 2001 – MSU University Task Force on Distance Education
- 2) 2000 to 2001 – MSU University Committee on Courses and Curricula
- 3) 1999 to 2000 – MSU-CVM Curriculum Committee, Chair
- 4) 2000 – MSU Ag Summit III Committee: Sub Committee #5 – Technology
- 5) 2000 – MSU Ag Summit III Committee: Sub Committee #7 – Communication
- 6) 1998 – MSU-CVM Committee on Student Assessment and Curriculum, Chair
- 7) 1999 – MSU Ag Summit II Committee: Sub Committee #5 – Ag Resources
- 8) 1998 – MSU Ag Summit I Committee
- 9) 1998 – MSU Equine Reproduction Screening Committee
- 10) 1998 – MSU Beef Forage Review Committee

PUBLICATIONS:

A. Peer-Reviewed Journal Articles:

- 1) Gorden PJ, van der List M, **FD Lehman**, RK Lantz , PD Constable. 2013. “Elimination kinetics of cephapirin sodium in milk after an 8-day extended therapy program of daily intramammary infusion in healthy lactating Holstein-Friesian cows.” J Dairy Sci. 96(7):4455-64.
- 2) **Lehman, FD**, R Saltman, 2005. “AVMA-Pfizer Economic Study.” Proceedings of the 38th Convention of the American Association of Bovine Practitioners. 38:30-32
- 3) **Lehman, FD**, TJ Engelken & CR Boyle, 2001. “Weight Gain in Suckling Calves Following *Revalor-G®*, *Ralgro™*, or *Synovex-C®*.” The Professional Animal Scientist. 17:54-56
- 4) **Lehman, FD** 2001. “Critical Control Points for Heifer Development” The Bovine Practitioner. 35:1:90-94
- 5) **Lehman, FD**, B Spencer, 2001. “Considerations for Managing Veterinarians in Three Professional Environments.” International Veterinary Information Service, Ithaca, New York, USA. www.ivis.org. Document No. C0201.0201
http://www.ivis.org/continuing_education/web_based/lehman/chapter_frm.asp

- 6) Little, RD, CS Forrest, RC Lacey, TJ Engelken, **FD Lehman**, GD Jackson. 2000. "Beef Cattle Producer Attitudes about Current Production and Marketing Practices in Mississippi." Abstract: Journal of Agricultural and Applied Economics. 32:2:420
- 7) **Lehman, FD**, A C Rathwell, TJ Engelken, DW Scruggs, CT Estill, BL Clark, AW Groce, AJ Ainsworth, HD Mercer. 1999. "A New Dual-Degree Program Focusing on Production Medicine." Large Animal Practice. 20:6:32-35
- 8) **Lehman, Fred D**, Nicole Gueniat. 1998. "Clinical response to *Dictyocaulus* infection in cattle with varying exposure history." Veterinary Medicine, 93:9:847-852
- 9) **Lehman, Fred D** and Jerry Rains. 1996. "Implants: A Valuable Tool for the Cattle Feeding Industry: Mechanism, Strategy and Technique." Compendium for Continuing Education. 18:8:S174-177
- 10) **Lehman, Fred D**, Terry J Engelken, Randall, D Little, and Lawrence E Rice. 1993. "A Logical Method for Comparing Beef Heifer Development Strategies." Veterinary Medicine. 88:11:1094-1101
- 11) Little, Randall D, Terry J Engelken, **Fred D Lehman**, Charlie Forrest, and Clyde E Taylor. 1993. "Comparing the Profit Potential of Four Calf Management Strategies." Veterinary Medicine. Vol. 88 #11. 1087-1093
- 12) Engelken, Terry J, **Fred D Lehman**, Randall D Little, William Casey, and J Thomas Brink. "Helping Beef Producers Improve Cow Culling Practices." Veterinary Medicine. 88:11:1102-1107
- 13) **Lehman, Fred D**, Randal D Little, Terry J Engelken, Charlie S Forrest, and Clyde E Taylor. 1993. "A New Tool for Integrated Resource Management Programs." Compendium for Continuing Education. 15:2:315
- 14) Howell, JL, TB Hughey, NM Cox, **FD Lehman**, JD Armstrong, RM Cambell, and EP Heimer. 1993. "Effects of the Absence of Insulin and Immunoneutralization of Growth Hormones in Preovulatory Follicles." J. Anim. Sci. 71:(Suppl. 1):217
- 15) Hughey, TB, JL Howell, **FD Lehman**, NM Cox, and AB Moore. 1993. "Effects of Exogenous Insulin on Intrafollicular Hormones of Preovulatory Follicles During the Estrous Cycle." J. Anim. Sci. 71:(Suppl. 1):218

B. Book Chapter:

- Lehman, Fred**, Jim Lauderdale. 2014. "Use of Technology in Controlling Estrus in Cattle. Bovine Reproduction." in Richard Hopper. BOVINE REPRODUCTION. © 2015 John Wiley & Sons, Inc. Ames, IA. 655-661.

C. Non-Peer Reviewed Scientific Publications:

- 1) **Lehman, FD**, R Saltman, 2005. "AVMA-Pfizer Economic Study." Proceedings of the 38th Convention of the American Association of Bovine Practitioners. 38:30-32
- 2) **Lehman, FD**. 2000. "Mississippi Beef Quality Assurance." Proceedings of the Mississippi Veterinary Medical Association
- 3) **Lehman, FD**. 2000. "Considerations for Anthelmintic Selection." Proceedings of the North American Veterinary Conference 14:58-60
- 4) **Lehman, FD & R Hopper**. 2000. "The Cull Cow: Turning a Liability into an Asset." Proceedings of the North American Veterinary Conference 14: 61-63

- 5) **Lehman, FD.** 2000. "Critical Control Points in Beef Heifer Development." Proceedings of the North American Veterinary Conference 14: 64-66
- 6) **Lehman, FD.** 2000. "Metaphylaxis for Stocker Calves: Strategies and Economics." Proceedings of the North American Veterinary Conference 14: 67-69
- 7) **Lehman, FD.** 2000. "One Minute Records Analysis." Proceedings of the North American Veterinary Conference 14: 70-71
- 8) **Lehman, FD.** 1999. "EXCEL Icebreaker." Proceedings AABP Short Course, Nashville, TN
- 9) **Lehman, FD & D Scruggs,** 1999. "Mass Medication." Proceedings AABP Short Course, Nashville, TN
- 10) **Lehman, FD.** 1999. "Heifer Development." Proceedings AABP Short Course, Nashville, TN
- 11) **Lehman, FD.** 1999. "Feeder Breakeven." Proceedings AABP Short Course, Nashville, TN
- 12) **Lehman, FD.** 1998, "Basic Marketing Tools and Definitions." Proceedings of the Beef Cattle Veterinary Continuing Education Program, AABP District III, Mississippi State, MS
- 13) **Lehman, FD.** 1998, "Factors Affecting Calf Value at Marketing." Proceedings of the Beef Cattle Veterinary Continuing Education Program, AABP District III, Mississippi State, MS
- 14) **Lehman, FD.** 1998, "Replacement Heifer Development." Proceedings of the Beef Cattle Veterinary Continuing Education Program, AABP District III, Mississippi State, MS
- 15) Scruggs, Dan and **Fred Lehman,** 1998, "Mass Medication, Expectations and Applications." Proceedings of the Beef Cattle Veterinary Continuing Education Program, AABP District III, Mississippi State, MS
- 16) Wetteman, R and **F Lehman.** 1997. "Feedlot Behavior Problems. Dealing with Bulls." Proceedings OSU Implant Symposium. Tulsa, OK
- 17) **Lehman, Fred D,** Ted Montgomery, and Kevin Guffey. 1995. "Implant Economics." Large Animal Veterinarian. July/August. 50:4
- 18) Paul, John W, Jerry R Rains, and **Fred D Lehman.** 1995. "The Use and Misuse of Progestins in the Mare." Equine Practice. 17:3:21

D. Poster Presentations, Abstracts, and University Research Reports:

- 1) Brown SA, **FD Lehman,** JA Robinson, EJ Robb, MJ Lucas. 2004. "Pharmacokinetics of Ceftiofur Crystalline Free Acid Sterile Suspension in Cattle after Injection in the Middle Third of the Ear and Importance of Injection Technique." Poster Abstracts of the 23rd World Buiatrics Congress, Quebec, Canada
- 2) Meyer JA, WM Moseley, **FD Lehman,** WL Bryson, EJ Robb, MJ Lucas. "Single Treatment Cure Rate of Ceftiofur Crystalline Free Acid Sterile Suspension for the Treatment of Bovine Respiratory Disease (BRD) with a 3 or 7 day Re-treatment Moratorium." Poster Abstracts of the 23rd World Buiatrics Congress, Quebec, Canada
- 3) Hibbard B, DM Meeuwse, EJ Robb, WL Bryson, MJ Lucas, **FD Lehman.** 2004. "Efficacy of Ceftiofur Crystalline Free Acid Sterile Suspension Administered to High Risk Cattle at Arrival Processing for the Control of Bovine Respiratory Disease When a Treatment Moratorium is Used." Abstract of 23rd World Buiatrics Congress, Quebec, Canada
- 4) Brown, SA, **F Lehman,** MJ Lucas, JA Robinson, EJ Robb. 2003. "Ceftiofur crystalline free acid sterile suspension (CCFA-SS) in Cattle: Pharmacokinetics after Injection in the Middle Third of the Ear and Importance of Injection Technique." Proceedings of the 36th American Association of Bovine Practitioners. Columbus, OH, September 2003, page 154-155

- 5) Little, RD, CS Forrest, R.C. Lacy Williams, TJ Engelken, **FD Lehman**, T Gregory, MS Boyd, B. McKinley, GD Jackson, and R Hopper. 2000. "Cattle Producer Attitudes Towards Alternative Production and Marketing Practices." Departmental Research Report 2000-006. Department of Agricultural Economics, Mississippi State University
- 6) Little, R.D, C.S Forrest, R.C. Lacy, TJ Engelken, **F D Lehman**, and G. D Jackson. 2000 "Beef Cattle Producer Attitudes about Current Production and Marketing Practices in Mississippi." Poster Paper presented at the Annual Meetings of the Southern Agricultural Economics Association, Lexington, Kentucky
- 7) **Lehman, FD**. 2000. "Consultant Report." Report to IFDC/USAID, Tirana, Albania
- 8) **Lehman, FD**, TJ Engelken, R Evans, R Ivy. 2000. "Implant Performance and Economics in Grazing Stocker Calves." Annual Report Summary, North Mississippi Research and Extension Center Annual Report Summary 2000. Information Bulletin 365, p. 41
- 9) Engelken, TJ, **Lehman, FD** 1999. "Use of Growth Promotant Implants in Stocker Calves." College of Veterinary Medicine Mississippi State University, Research Annual Report, p.19
- 10) **Lehman, FD**, TJ Engelken. 1999. "Suckling Calf Implant Comparison." College of Veterinary Medicine Mississippi State University, Research Annual Report, p.19
- 11) Howell, JL, TB Hughey, NM Cox, **FD Lehman**, JD Armstrong, RM Cambell, and EP Heimer. 1993. "Effects of Diabetes Mellitus and Immunoneutralization of Growth Hormone Releasing Factor (GRF) On Preovulatory Follicular Growth in the Cycling Gilt." Fourth International Conference on Pig Reproduction. May 24-26
- 12) Howell, JL, TB Hughey, NM Cox, **FD Lehman**, JD Armstrong, RM Campbell, and EP Heimer. 1993. "Effects of the Absence of Insulin and Immunoneutralization of Growth Hormone Releasing Factor (GRF) on Intrafollicular Hormones in Preovulatory Follicles." American Society of Animal Science. Annual Meeting. July 6-9. Spokane, WA
- 13) Hughey, TB, JL Howell, **FD Lehman**, NM Cox, and AB Moore. 1993. "Effects of Exogenous Insulin on Intrafollicular Hormones of Preovulatory Follicles During the Estrous Cycle." American Society of Animal Science. Annual Meeting. July 6-9. Spokane, WA

E. University Extension Programs Developed and Published:

- 1) **Lehman, Fred D**. 2000 "Mississippi Cattlemen – Beef Quality Assurance Program Reference Manual." MCES Publication 2258 Mississippi State University, Extension Service
- 2) **Lehman, Fred D**. 2000. "Beef Quality is Every Cattleman's Business." MCES Publication M1128, Mississippi State University, Extension Service

F. Instructional Manuals Developed:

- 1) Curriculum Committee, **Fred Lehman**, Chairman, 2000. "Curricular Blueprint." Mississippi State University, College of Veterinary Medicine
- 2) Committee on Student Assessment, **Fred Lehman**, Chairman. 1998-1999. "Veterinary Student Learning Guide, Professional Curriculum." Mississippi State University, College of Veterinary Medicine
- 3) Committee on Student Assessment, **Fred Lehman**, Chairman. 1998, "Core Issues"
- 4) **Lehman, Fred D**. 1998, "Production Medicine Handbook." Mississippi State University, College of Veterinary Medicine

G. Training Aids and Informational Materials:

- 1) **Lehman, Fred D** and FL Roberts. 2004. "Introducing *EXCEDE* and the Ear Route of Administration." Pfizer Animal Health – video
- 2) **Lehman, Fred D.** 2004. "Steps for Ear Route of Administration." Pfizer Animal Health – Training Poster
- 3) **Lehman, Fred D.** 1998, "Dual-Degree Program, Doctor of Veterinary Medicine and Master of Veterinary Science with Emphasis in Production Animal Medicine." Mississippi State University, College of Veterinary Medicine – Promotional brochure

H. Technical Bulletins and Research Reports:

- 1) Meyer JA, WM Moseley, MJ Lucas, **Lehman FD**, LK Bryant, DC King, DB Campbell, BR Clay, RJ Johnson, KJ Dame, WL Bryson, EJ Robb, B Hibbard, ES Portis. 2004. Efficacy of *EXCEDE* followed by a 4- or 7- day Post-Treatment Intervals vs *Baytril* followed by a 3-day Post-Treatment Interval in treatment of bovine respiratory disease. Pfizer Animal Health
- 2) Hibbard, B, DM Meeuwse, WL Bryson, EJ Robb, MJ Lucas, KJ Dame, **FD Lehman**, LK Bryant, CB Campbell, BR Clay, DC King. 2004. "*EXCEDE* vs. *Micotil* for control of bovine respiratory disease using a post-metaphylaxis interval." Pfizer Animal Health
- 3) **Lehman FD**, MJ Lucas, FL Roberts, EJ Robb, SA Brown. 2004. *EXCEDE* Technical Bulletin 1 "Ear route of administration – a new and patented method for delivering anti-infectives." Pfizer Animal Health
- 4) Moseley WM, JA Meyer, MJ Lucas, **FD Lehman**, LK Bryant, DC King, CB Campbell, BR Clay, RJ Johnson, KJ Dame, WL Bryson, EJ Robb, B Hibbard, ES Portis. 2004. *EXCEDE* Technical Bulletin 10 "Efficacy of *EXCEDE* followed by 3- or 7-day post-treatment intervals vs *Baytril* followed by a 3-day post-treatment interval in treatment of bovine respiratory disease." Pfizer Animal Health
- 5) Hibbard, B; DM Meeuwse, WL Bryson, EJ Robb, MJ Lucas, KJ Dame, **FD Lehman**, LK Bryant, CB Campbell, BR Clay, DC King, 2004. *EXCEDE* Technical Bulletin 6 "*EXCEDE* vs *Micotil* vs no treatment for control/metaphylaxis of bovine respiratory disease to close-out." Pfizer Animal Health
- 6) Meeuwse DM, WL Bryson, MJ Lucas, **FD Lehman** and EJ Robb. 2004 "Comparison of ceftiofur crystalline free acid sterile suspension (200 mg ceftiofur equivalents/ml) administered subcutaneously in the ear versus tilmicosin when administered to high risk calves at arrival processing on average daily gain, feed efficiency and carcass measurements." Pfizer Animal Health, Protocol 0829-9612-O-FDL-2002-002
- 7) Meyer JA, WM Moseley, MJ Lucas, **FD Lehman**, LK Bryant, DC King, CB Campbell, BR Clay, DVM; RJ Johnson, KJ Dame, WL Bryson, EJ Robb, B Hibbard, ES Portis, 2003. "Efficacy of *EXCEDE* followed by 3- or 7-day post-treatment intervals vs *Baytril* followed by a 3-day post-treatment interval in treatment of bovine respiratory disease." Pfizer Animal Health. SR 0829-7922-2003-005
- 8) Hibbard B, DM Meeuwse, WL Bryson, EJ Robb, MJ Lucas, KJ Dame, **FD Lehman**, LK Bryant, CB Campbell, BR Clay, DC King. 2003. "Evaluation of ceftiofur crystalline free acid sterile suspension (200 mg ceftiofur equivalents [CE]/mL administered subcutaneously in the middle third of the posterior aspect of the ear at 6.6 mg CE/kg at arrival processing for the control of bovine respiratory disease in high risk cattle when a 7-day retreatment moratorium is used." Pharmacia Animal Health. SR-0829-7922-2003-007
- 9) **Lehman, Fred.** 1997, "The Significance of the Cyathostome Life Cycle." *Panacur* Technical Bulletin, Hoechst Roussel Vet

- 10) **Lehman, Fred.** 1997, "Considerations for Implant Use in Backgrounding and Stocker Cattle." *Revalor-G* Technical Bulletin #10
- 11) **Lehman, Fred.** 1997. "Questions About Persistence?" *Safe-Guard* Technical Bulletin, Hoechst Roussel Vet
- 12) Brandt, B, **F Lehman**, W Nichols, and J Rains. 1996. " Guidelines for Use of *Revalor-H* in Terminal Implant Strategies for Feedlot Heifers." *Revalor-H* Technical Bulletin #10
- 13) Brandt, RT Jr., WT Nichols, **FD Lehman**, and DP Hutcheson. 1996. "Effect of Anabolic Agents Alone or in Combination on Performance and Carcass Characteristics of Finishing Heifers: A Pooled Summary of Two Trials." *Revalor-H* Technical Bulletin #1
- 14) **Lehman, FD**, Bechtol, A Waite, TH Montgomery, and DP Hutcheson. 1996. "The Effects of Anabolic Agents Alone and In Combination on Feedyard Performance and Carcass Characteristics of Finishing Heifers Fed for 109, 129, or 157 Days." *Revalor-H* Technical Bulletin #2
- 15) **Lehman, F**, S Bachman, and F Haefner. 1996. "A Comparison of Four Implant Strategies on Yearling Heifers fed 138 Days in a Texas Panhandle Feedlot." *Revalor-H* Technical Bulletin #8
- 16) **Lehman, F**, K Hansen, and G Morris. 1996. "A Comparison of Three Reimplanting Strategies using Trenbolone Acetate on Feedlot Heifers fed 172 days." *Revalor-H* Technical Bulletin #9
- 17) **Lehman, Fred D.** 1995. "*Revalor-S* Technical Bulletin #14A." HRVet
- 18) **Lehman, Fred D** and Jerry Rains, 1995. "Influence of Choice/Select Price Differential on Decisions to Use Aggressive Implant Strategies." HRVet *Revalor-S* Technical Bulletin #17

I. Extension and Other Journal Articles:

- 1) **Lehman, Fred.** 2001. "Your Calves Have a Second Home in Texas." *Cattle Business in Mississippi*, 48:7:14
- 2) **Lehman, Fred.** 2001. "Johne's Disease, Key Points." *Cattle Business in Mississippi*, 48:6:14
- 3) **Lehman, Fred.** 2001. "Mississippi's Volunteer Johne's Disease." *Cattle Business in Mississippi*, 48:5:14
- 4) **Lehman, Fred.** 2001. "FMD and BSE-Your Role as a Producer." *Cattle Business in Mississippi*, 48:4:14
- 5) **Lehman, Fred.** 2001. "The Components of the Breeding Soundness Exam of the Bull." *Cattle Business in Mississippi*, 48:3:14
- 6) **Lehman, Fred.** 2001. "Mineral Supplementation: A 'Hard' Concept to Swallow." *Cattle Business in Mississippi*, 48:2:14
- 7) **Lehman, Fred.** 2001. "Lingering Effects of Drought." *Cattle Business in Mississippi*, 48:1:14
- 8) **Lehman, Fred.** 2000. "Heifers and Bulldogs: More Predictable Than You Think." *Cattle Business in Mississippi*, 47:10:18
- 9) **Lehman, Fred.** 2000. "Gastrointestinal Disorders in Adult Cattle." *Cattle Business in Mississippi*, 47:9:14
- 10) **Lehman, Fred.** 2000. "MS-BQA Survey." *Cattle Business in Mississippi*, 47:8:22
- 11) **Lehman, Fred.** 2000. "The Luxury and Risk of 'Disease Free' Status." *Cattle Business in Mississippi*, 47:7:10

- 12) **Lehman, Fred.** 2000. "Zoonosis-An Animal Disease Transmittable to Man." Cattle Business in Mississippi, 47:6:14
- 13) **Lehman, Fred.** 2000. "Safe Food-Our Priority." Cattle Business in Mississippi, 47:5:14
- 14) **Lehman, Fred.** 2000. "Growth Implants in the Suckling Calf." Cattle Business in Mississippi, 47:4:14
- 15) **Lehman, Fred.** 2000. "The Herd Bull: No Candidate for Viagra." Cattle Business in Mississippi, 47:3:14
- 16) **Lehman, Fred.** 2000. "Recognizing a Calving Problem." Cattle Business in Mississippi, 47:2:14
- 17) **Lehman, Fred.** 2000. "Look at those Hips." Cattle Business in Mississippi, 47:1:14
- 18) **Lehman, Fred.** 1999. "Measurement, The First Step to Management." Cattle Business in Mississippi, 46:10:14
- 19) **Lehman, Fred.** 1999. "BQA and You." Cattle Business in Mississippi, 46:9:14
- 20) **Lehman, Fred.** 1999. "It's ALIVE!" Cattle Business in Mississippi, 46:8:14
- 21) **Lehman, Fred.** 1999. "Tags and the Golden Arches." Cattle Business in Mississippi, 46:7:12
- 22) **Lehman, FD.** 1999. "Summer fly control." MSU-ES Dairy News. July 1999. p.2
- 23) Little R, C Forrest, T Engelken, **F Lehman**, C Taylor, and R Evans. 1993. "MIMS Calves Pay in A Stocker Program." Cattle Business in Mississippi. 23:27:58

PROFESSIONAL PRESENTATIONS AT MEETINGS:

Professional presentations:

- 1) February 2006 – "Introducing a Novel Anti-Infective – *DRAXXIN*." Canadian Food Animal Expert Panel, Toronto, CAN
- 2) March 2005 – "AVMA-Pfizer Business Management Survey." SAVMA, College Station, TX
- 3) July 2004 – "TLC for Arrival Programs." Solutions through Science, Irving, TX
- 4) June 2004 – "Novel Product – Novel Delivery." 23rd World Buiatrics Congress, Quebec City, Quebec, CAN
- 5) March 2004 – "Training – Ear Route of Administration." Academy of Veterinary Consultants, Oklahoma City, OK
- 6) December, 2003 – "Applying Measures to Bovine Reproductive Programs." Shaping Today, Winning Tomorrow, San Francisco, CA
- 7) August, 2003 – "Factors Affecting Antibiotic Selection." PAH Consultants, Dana Point, CA
- 8) April 2003 – "Use of *CIDR* in Bovine Reproductive Programs." Auburn Spring Conference, Auburn, AL
- 9) April 2003 – "Bovine Respiratory Disease, A Product of the Industry." Auburn Spring Conference, Auburn, AL
- 10) October 2002 – "Reproductive Management Strategies." Production Medicine Course, MSU-CVM, Mississippi State, MS
- 11) May 2002 – "Why All the Fuss about Ear Route of Administration." San Juan, Puerto Rico
- 12) April 2001 – "Beef Quality Assurance for Veterinarians." Canton, MS
- 13) March 2001 – "Johne's Disease-Introduction and Implication." Johne's Task Force Veterinary Education, Oxford, Jackson, and Hattiesburg, MS
- 14) August 2000 – "International Veterinary Medicine." Jackson Veterinary Medical Association, Jackson, MS
- 15) April 2000 – "Continuing Education Using H.320 Technology." SURA-CVM Subgroup, Knoxville, TN

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- 16) March 2000 – “Extension Veterinary Medicine & Food Safety.” Elbasan District, Elbasan, Albania
- 17) March 2000 – “Extension Veterinary Medicine & Food Safety.” Fier District, Fier, Albania
- 18) March 2000 – “Extension Veterinary Medicine & Food Safety.” Institute of Veterinary Research Tirana, Albania
- 19) March 2000 – “Extension Veterinary Medicine & Food Safety.” Durres District, Durres, Albania
- 20) March 2000 – “Hormonal Control of the Mare.” Veterinary Medical Faculty, Tirana, Albania
- 21) February 2000 – “Mississippi Beef Quality Assurance.” Mississippi Veterinary Medical Association, Starkville, MS
- 22) January 2000 – “Considerations for Anthelmintic Selection.” North American Veterinary Conference, Orlando, FL
- 23) January 2000 – “The Cull Cow: Turning a Liability into an Asset.” North American Veterinary Conference, Orlando, FL
- 24) January 2000 – “Critical Control Points in Beef Heifer Development.” North American Veterinary Conference, Orlando, FL
- 25) January 2000 – “Metaphylaxis for Stocker Calves: Strategies and Economics.” North American Veterinary Conference, Orlando, FL
- 26) January 2000 – “One Minute Records Analysis.” North American Veterinary Conference, Orlando, FL
- 27) September 1999 – AABP Seminar “An Electronic Tool for Common Decisions in Beef Herds.” Coordinator, Nashville, TN
- 28) September 1999 – “EXCEL Icebreaker.” AABP, Nashville, TN
- 29) September 1999 – “Mass Medication.” AABP, Nashville, TN
- 30) September 1999 – “Heifer Development.” AABP, Nashville, TN
- 31) September 1999 – “Feeder Breakeven.” AABP, Nashville, TN
- 32) August 1998 – “Basic Marketing Tools and Definitions.” Beef Cattle Veterinary Continuing Education Program, AABP District III, Mississippi State, MS
- 33) August 1998 – “Factors Affecting Calf Value at Marketing.” Beef Cattle Veterinary Continuing Education Program, AABP District III, Mississippi State, MS
- 34) August 1998 – “Replacement Heifer Development.” Beef Cattle Veterinary Continuing Education Program, AABP District III, Mississippi State, MS
- 35) August 1998 – “Mass Medication, Expectations and Applications.” Beef Cattle Veterinary Continuing Education Program, AABP District III, Mississippi State, MS
- 36) October 1997 – “Treatment of Cyathostomosis” Rudde & Riddle, Lexington, KY
- 37) May 1997 – “Hormonal Management of the Mare.” U. of Penn., New Bolton Center, PA
- 38) March 1997 – “Food Animal Practice in the New Millennium.” VA Spring Conference, Blacksburg, VA
- 39) March 1997 – “Hormonal Management of the Mare.” VA Tech AAEP, Blacksburg, VA
- 40) October 1996 – “Investigating Feedlot Behavior – Bullers.” OSU Implant Symposium, Tulsa, OK
- 41) October 1996 – “Hormonal Management of the Mare.” OSU AAEP, Stillwater, OK
- 42) October 1996 – “Developing Implant Strategies.” OSU-Dept. An. Sci., Stillwater, OK
- 43) August 1996 – “An Integrated Approach to Deworming.” AVC, Omaha, NE
- 44) March 1996 – “Implant Mechanism, Strategy, and Technique.” TAMU Feedlot MGT. Course- College Station, TX
- 45) March 1996 – “Basic Beef Economics.” Production Medicine Course, MSU-CVM, Mississippi State, MS
- 46) March 1996 – “Basic Beef Economics.” Production Medicine Course, OSU-CVM, Mississippi State, MS
- 47) March 1996 – “Integrated Approach to Deworming.” AABP, OSU-CVM, Stillwater, OK
- 48) January 1996 – “Revalor-H, TB 2, 8, 9, 1, 10.” San Antonio, TX
- 49) November 1995 – “Implant Mechanism, Strategy, and Technique.” TAMU-CVM, College Station, TX

- 50) October 1995 – “Integrated Approach to Deworming.” AABP, LSU-CVM, Baton Rouge, LA
- 51) October 1995 – “Integrated Approach to Deworming.” AABP, TAMU-CVM, College Station, TX
- 52) May 1995 – “HR Vet’s Participation in the Feedlot Industry.” VPI-CVM, Blacksburg, VA
- 53) March 1995 – “Overview of the Feedlot Industry.” OSU-AABP, Stillwater, OK
- 54) March 1995 – “Overview of the Feedlot Industry.” MSU-AABP, Mississippi State, MS
- 55) March 1995 – “Overview of the Feedlot Industry.” LSU-AABP, Baton Rouge, LA
- 56) March 1995 – “Who is Hoechst?” LSU-faculty, Baton Rouge, LA
- 57) March 1995 – “Basic Beef Economics.” Production Medicine Course, OSU-CVM, Stillwater, OK
- 58) January 1995 – “Implants: Physiology, Strategy, and Technique.” Western Canada Association of Bovine Practitioners/Alberta Veterinary Medical Association, Calgary, Alberta, Canada
- 59) February 1995 – “Basic Beef Economics” Production Medicine Course, MSU-CVM, Mississippi State, MS
- 60) December 1994 – “Understanding Financial Statements.” Practice Management Course MSU-CVM, Mississippi State, MS
- 61) October 1994 – “Maximizing Performance with Implants.” LSU Continuing Education for Veterinarians, Baton Rouge, LA
- 62) March 1994 – “Electronic Data Capture in the Beef Industry.” Production Medicine Course, MSU-CVM, Starkville, MS
- 63) February 1994 – “Physiology of Bovine Implants.” MSU-Dept. An. Sci., Starkville, MS
- 64) November 1993 – “Reading Financial Statements.” Practice Management Course, MSU-CVM, Mississippi State, MS
- 65) October 1993 – “Breeding Soundness Exam in the Mare (with Wet lab).”; MSU Equine Reproduction Short Course, MSU-CVM, Mississippi State, MS
- 66) April 1993 – “Review and Introduction of New Evaluation Standards for the Breeding Soundness Examination in the Bull.” Winona, MS
- 67) March 1993 – “Review and Introduction of New Evaluation Standards for the Breeding Soundness Examination in the Bull.” Pontotoc, MS
- 68) August 1992 – “Use of Hylauronidase in Pudendal Nerve Blocks.” Practice Tips: Society for Theriogenology”, San Antonio, TX

Extension and commodity group presentations:

- 1) February 2002 – “MGA Premix.” ConAgra Nutritionists’ Training, Denver, CO
- 2) December 2001 – “Partnerships.” Feedlot Manager’s Meeting, Las Vegas, NV
- 3) June 2001 – “Vaccinology.” MS Junior Cattlemen’s Association, Mississippi State, MS
- 4) June 2001 – “Vaccinology.” Covington County Cattlemen’s Association Collins, MS
- 5) May 2001 – “MS-BQA Certification Training.” Distance Education, Mississippi State, MS
- 6) May 2001 – “Vaccinology.” Tippah County Cattlemen’s Association, Riply, MS
- 7) May 2001 – “Vaccinology and BSE/FMD Update.” Jasper County Cattlemen’s Association, Bay Springs, MS
- 8) April 2001 – “Vaccinology and BSE/FMD Update.” Clay County Cattlemen’s Association, West Point, MS
- 9) April 2001 – “BSE/FMD Awareness”, Oktibbeha County Cattlemen’s Association, Starkville, MS
- 10) April 2001 – “Vaccinology and BSE/FMD Update.” Marshal County Cattlemen’s Association, Holly Springs, MS
- 11) February 2001 – “Developing Quality Mississippi Beef.” Citizens Bank Ag Awareness, Bayhia, MS
- 12) December 2000 – “Recognizing a Dystocia.” Winston County Cattlemen’s Association, Lewisville, MS
- 13) November 2000 – “Vaccinology.” Pike County Cattlemen’s Association, McComb, MS

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- 14) November 2000 – “Vaccinology.” Monroe County Cattlemen’s Association, Aberdine, MS
- 15) October 2000 – “Update on Herd Health.” GLCI, Jeff Davis Co. Field Day, Prentiss, MS
- 16) August 2000 – “Update on Herd Health.” Lawrence Co. Cattlemen’s Association, New Hebron, MS
- 17) August 2000 – “Current Concepts in Johnne’s Control.” National Association of County Agriculture Agents, Mississippi State, MS
- 18) July 2000 – “Mississippi Beef Quality Assurance.” Copiah Co. Cattlemen’s Association, Hazelhurst, MS
- 19) June 2000 – “MS-BQA – Management Practices.” West Point, MS
- 20) June 2000 – “Vaccinology.” Lee Co. Cattlemen’s Association, Tupelo, MS
- 21) May 2000 – “Mississippi Beef Quality Assurance.” Dairy Field Day, Tylertown, MS
- 22) May 2000 – “MS-BQA – Management Practices.” Holy Springs, MS
- 23) May 2000 – “MS-BQA – Management Practices.” Verona, MS
- 24) May 2000 – “Zoonotic Diseases” Ag Club, Starkville, MS
- 25) May 2000 – “MS-BQA – Management Practices.” Winona, MS
- 26) May 2000 – “MS-BQA – Management Practices.” Philadelphia, MS
- 27) April 2000 – “Vaccinology.” Marion Co. Cattlemen’s Association, Columbia, MS
- 28) April 2000 – “SE Pride and Beef Economics.” Lincoln Co. Cattlemen’s Association, Brookhaven, MS
- 29) April 2000 – “Mississippi Beef Quality Assurance.” Rankin Co. Cattlemen’s Association, Brandon, MS
- 30) January 2000 – “Mississippi Beef Quality Assurance.” Distance Education, Starkville, MS
- 31) October 1999 – “Management Practices in Beef Herds.” Jasper/Smith Co. Cattlemen’s Association, Bay Springs, MS
- 32) July 1999 – “SE Pride and Your Herd.” Bull Test Sale, Tylertown, MS
- 33) June 1999 – “Equine Health.” NW Mississippi Equine Association, Senatobia, MS
- 34) June 1999 – “Health Care for Your Steer, Home & Show.” Northeast District 4-H Camp, Verona, MS
- 35) June 1999 – “Veterinary Tools.” Mississippi Junior Cattlemen’s Association, Starkville, MS
- 36) December 1998 – “Using the IRM-SPA Desk Reference.” MSU Extension Agent Training
- 37) October 1998 – “Management Practices in Beef Herds.” Union County Cattlemen’s Association, New Albany, MS
- 38) April 1998 – “Large Animal Practice.” MSU-CVM Explorer Scouts, Mississippi State, MS
- 39) April 1998 – “Changes in the Feedlot Industry.” RN Cattle Alliance, Columbus, MS
- 40) October 1997 – “New Concepts in Equine Parasite Control.” Rudd & Riddle, Lexington, KY
- 41) January 1997 – “New Concepts in Equine Parasite Control.” Yorktown, VA
- 42) October 1996 – “Implanting Grazing Cattle and Strategic Deworming.” Shattuck, OK
- 43) October 1996 – “Implanting Grazing Cattle and Feed Additives.” Gage OK
- 44) October 1996 – “Implanting Grazing Cattle and Feed Additives.” Buffalo, OK
- 45) July 1996 – “Implants and the Impact on Quality Grade.” NE Cattlemen, Dodge City, KS
- 46) January-March 1996 – “Revalor-H.” – Dimmit, Dumas, Hereford, Pampa and Tulia, TX
- 47) April 1995 – “Developing an Implant Strategy.” Longview, TX
- 48) October 1992 – “When the Mare Doesn’t Get Pregnant.” CVM-MSU Mississippi State, MS
- 49) March 1992 – “Quality Assurance in Beef Programs.” Oktibbeha County Cattlemen’s Association, Starkville, MS
- 50) October 1990 – “Stocker Receiving Programs.” Perryton Equity Fall Livestock Meeting, Perryton, TX
- 51) November 1989 – “Initiating a Herd Plan.” Animal Hospital of Perryton Producers Meeting, Perryton, TX
- 52) August 1989 – “Production Medicine: A New Perspective on Veterinary Services.” Ochiltree County Future Farmers of America, Perryton, TX
- 53) May 1986 – “Small Animal Nutrition.” Ochiltree County Kennel Club, Perryton, TX
- 54) May 1985 – “National Pet Week.” KEYE Radio Coffee Break, Perryton, TX
- 55) May 1982 – “Small Animal Diseases.” KEYE Radio Coffee Break, Perryton, TX

56) February 1980 – “Small Animal Nutrition.” Gray County 4-H, Pampa, TX

Education development presentations:

- 1) April 2000 – “Continuing Education Using H.320 Technology.” SURA-CVM Subgroup, Knoxville, TN
- 2) January 2000 – “MSU-CVM Curricular Overview, Poland CVM Faculty Review.” Starkville, MS
- 3) May 1999 – “Production Medicine and CVM.” Inverness Rotary Club & Gold Kist Foods, Inverness, MS
- 4) September 1999 – “Production Medicine Masters and Monsanto.” Nashville, TN
- 5) August 1998 – “MSU-CVM’s New Dual-Degree Program in Production Medicine.” Dean’s Advisory Council, MSU-CVM, Mississippi State University, Starkville, MS
- 6) November 1998 – “MSU-CVM’s New Dual-Degree Program in Production Medicine.” Ft. Dodge Animal Health, Kansas City, MO
- 7) November 1998 – “MSU-CVM’s New Dual-Degree Program in Production Medicine.” Bayer Animal Health, Kansas City, MO
- 8) November 1998 – “MSU-CVM’s New Dual-Degree Program in Production Medicine.” ELANCO Animal Health, Greenfield, IN
- 9) April 1998 – Mercer, H. Dwight, **Fred D Lehman**, “Food Animal Practice in the 21st Century.” 35th Annual Veterinary Conference, Athens, GA

EDITORIAL REVIEW:

1999 to 2011 – Veterinary Therapeutics Review Board
1998 to 2011 – Bovine Practitioner
2000 – Journal of the American Veterinary Medical Association (JAVMA)
1998 – Book Chapter, Bearden and Fuquay, “Infectious Diseases that Cause Reproductive Failure.” Applied Animal Reproduction, Fifth Edition, Prentice Hall, Upper Saddle River, NJ, 1998

ACADEMIC ADVISEMENT:

Mentor Advisor, 1999 to 2001
Senior Advisor, 2000 to 2001
Major professor for one student in the Dual-Degree program, MSU-CVM, 1998
Committee member for 6 students in the Dual-Degree program, MSU-CVM, 1998 to 2000
Food Animal Practice Group Faculty Advisor, 1998 to 1999, MSU-CVM

CIVIC AND EXTRACURRICULAR ACTIVITIES:

- 1) 2006 to Present – United Methodist Church of the Resurrection, Leawood, KS, member, and teacher
- 2) 2013-2016 – United Methodist Church of the Resurrection, Leawood, KS, Staff-Parish Relations Committee Chair
- 3) 1999 to 2001 – Huntington Park Homeowners Association, board member, President 2000
- 4) 1998 to 2001 – First United Methodist Church, Starkville, MS, finance committee
- 5) 1997 to 1998 – Clinton United Methodist Church, member
- 6) 1996 to 1997 – Animal Health Institute (AHI) Veterinary Feed Directive Committee
- 7) 1996 to 1997 – Amarillo High School, Swim Team Boosters, President
- 8) 1996 – Amarillo High School GPA Evaluation Committee
- 9) 1994 to 1996 – First Christian Church, Amarillo, TX, Member
- 10) 1991 to 1993 – First United Methodist Church, Starkville, MS, Member, Chancel Choir
- 11) 1984 to 1991 – First Christian Church of Perryton, TX, Elder, Deacon, Jr. High Sunday School Teacher, Personnel Committee Chairman, Evangelism Chairman, Youth Pastor Search Committee Chairman, and Chancel Choir

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- 12) 1983 to 1991 – Rotary International, Perryton, TX, President, Spring-fest Bicycle Race Chairman, Program Chairman, Career Day Chairman
- 13) 1981 to 1991 – Perryton/Ochiltree County Chamber of Commerce, Director, Service Trade Committee Chairman, Economic Development Committee Chairman, Livestock Committee
- 14) 1990 to 1991 – *United Way* Committee, Perryton, TX, Member
- 15) 1981 to 1991 – Perryton Activity Center, Perryton, TX, Member, Volunteer Lifeguard, Basketball Coach and Softball Coach.
- 16) 1985 to Present – Oklahoma State University Alumni Association, Member
- 17) 1981 to 1984 – First Baptist Church, Perryton, TX, Member
- 18) 1980 to 1981 – Kiwanis International, Pampa, TX, Member
- 19) 1976 to 1980 – Student Chapter of the AVMA, Oklahoma State, Member and Open House Chairman
- 20) 1977 to 1980 – *Alpha Psi* (professional fraternity), Oklahoma State, Member
- 21) 1976 to 1980 – Student Chapter of AABP, Oklahoma State, Member
- 22) 1977 to 1980 – University Heights Baptist Church, Stillwater, OK, Member
- 23) 1975 to 1976 – Junior Class, President, Panhandle State University, Goodwell, OK
- 24) 1975 to 1976 – *Alpha Chi* (scientific honors society), Panhandle State University, Member
- 25) 1973 to 1976 – Baptist Student Union, Panhandle State University, Vice-President, Member
- 26) 1974 to 1976 – Circle K (collegiate Kiwanis), Panhandle State University, Member