

## ***CURRICULUM VITAE***

**Francis D. Galey**

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### **Education:**

PhD	Veterinary Biosciences University of Illinois, Urbana, IL (1988)
Residency in Toxicology	University of Illinois, Urbana, IL (1987)
Specialty Certification:	American Board of Veterinary Toxicology (1988)
DVM	Veterinary Medicine, Colorado State University, Fort Collins, CO (1983)
BS	Veterinary Medicine, Colorado State University, Fort Collins, CO (1981)

### **Professional and Work Experience:**

2001-Present	Dean, College of Agriculture and Natural Resources, University of Wyoming
1999-2001	Professor, Director of the Wyoming State Veterinary Laboratory, and Head of the Department of Veterinary Sciences, University of Wyoming, 1174 Snowy Range Road, Laramie, WY
1994-1999:	Associate Professor of Clinical Diagnostic Veterinary Toxicology and Head of Toxicology Section, California Veterinary Diagnostic Laboratory System, School of Veterinary Medicine, Davis, CA.
1988-1994:	Assistant Professor of Clinical Diagnostic Veterinary Toxicology and Head of Toxicology Section, California Veterinary Diagnostic Laboratory System, School of Veterinary Medicine, Davis, CA.
1984-1988	Research Associate and Resident, Illinois Animal Poison Information Center, Department of Veterinary Biosciences, College of Veterinary Medicine, University of Illinois, Urbana, IL.
1983-1984	Associate Veterinarian, East County Large Animal Practice, El Cajon, Ca. Ambulatory practice providing medical, emergency medical, and minor surgical veterinary care for horses (95%) and food animals (5%).

1983	Associate Veterinarian, Center Veterinary Clinic, Rifle, CO. Mixed animal practice providing medical and surgical veterinary care for small companion animals (50%), horses (25%), and cattle (25%).
1976-1978	General Assistant, Moxey Veterinary Clinic, Sheridan, WY.
1974-1976	Horse Trainer, Gregg Ranch Quarter Horses, Big Horn, WY.
1973-1974	Ranch Hand, Spear-O-Ranch, Kirby MT.

### **Honors, Awards, and National Organizations:**

Awarded, "Amigo" Award. Wyoming Wool Growers for service to the industry and state, 2012  
 Awarded, "Guardian of the Grasslands" for service to the state, Wyoming Stock Growers, 2012  
 Phi Zeta, Phi Kappa Phi  
 American Association of Veterinary Laboratory Diagnosticians  
 Society of Toxicology, American Academy of Veterinary and Comparative Toxicology  
 American Board of Veterinary Toxicology  
 American Veterinary Medical Association, California Veterinary Medical Association  
 Successful completion of AALA, ISO 25/9000 Assessor Training  
 Completed Leadership Wyoming, Class 2006  
 Completed short course in Negotiation and Competitive Decision Making, Harvard Business School, 2008  
 UCD Graduate Groups in Pharmacology & Toxicology and Comparative Pathology  
 Council on Agricultural Science and Technology (CAST)

### **Offices:**

Commissioner from Wyoming, Western Interstate Consortium on Higher Education (WICHE); appointed by Governor Matt Mead (2013 – present).  
 Chair, Wyoming Brucellosis Coordination Team; appointed by Governor Dave Freudenthal, reappointed by Governor Matt Mead (2004-present).  
 Budget and Advocacy Committee, Association of Public and Land Grant Universities (2011-2014).  
 Chair, Federal Advocacy, Association of Public and Land Grant Universities (2010-2011).  
 Chair, Budget and Advocacy Committee, Association of Public and Land Grant Universities (2013, 2014).  
 Southwest Representative, Executive Board, American Association of Veterinary Laboratory Diagnosticians (AAVLD; 1998-2000).  
 President, American Board of Veterinary Toxicology (ABVT; 1997-2000).  
 President, American Academy of Veterinary and Comparative Toxicology (AAVCT; 1995-1997).  
 Vice President, ABVT (1994-1997).  
 Vice President and Program Chair, AAVCT (1993-1996).  
 Associate Editor, *Journal of Veterinary Diagnostic Investigation* (1993-2000).  
 Committee member, ABVT Examination Committee (1991-1994, Chair, 1993-1994).  
 Committee member, AAVLD-AOAC Joint Liaison Committee, AAVL Diagnosticians (1990-1995).  
 Committee member, Long range planning and communications, ABVT (1990-1992).  
 Committee member, Laboratory Accreditation Committee, AAVLD (2000-present).  
 Secretary-Treasurer, American Veterinary Academy of Disaster Medicine (1989-1991).

### **Veterinary Licenses:**

California, Colorado, Montana, Wyoming

## Teaching Experience: (1988-Present)

### Veterinary Students:

Lectures in veterinary toxicology second and third-year students (6 hours/year; 1999-present).  
 Clinical toxicology rotation for Senior Veterinary Students (12 weeks/year; through 1999).  
 Toxicology for AVMA Board preparation (Seniors; 2 to 3 hours/year; through 1999).  
 Diagnostic toxicology/plant id. laboratory (Seniors).  
 Senior elective in advanced veterinary clinical toxicology (lecture & laboratory; 5 hours/year; 1985-1987).  
 Lectures in toxicologic pathology (1985, 1986).  
 Toxicology Lectures, VM751 (Colorado State University, 6 hours/year; 1999-present).  
 Toxicology Lectures, (1 week; University of Sydney; invited; 1998).

### Clinical Residents/Graduates (through 1999):

Reviews of veterinary toxicology for pathology board certification (2 hours/year).  
 Consultation for Veterinary Teaching Hospital Residents and Graduate student committees.  
 Primary direction for Residents in Veterinary Toxicology; Direction, project guidance for residents, graduate students. PhD major professor for Dr. Dirk Holstege (1998).  
 Lectures for graduate students (2 - 8 hrs/yr, topic varies).

### Undergraduate:

Elements of Leadership (AGRI 4990 – 03; 1 Credit, 16 hours/year; 2011- present)  
 Brucellosis in Wildlife and Cattle (AECL 4990; 2006, 2007; 1.5 hrs/year)  
 Diseases of food animals and horses (PATB 4110; 2000-2002; 3 hrs/year).  
 General comparative pathology (PATB 5120; 1 hour; 1999).  
 Topics in Animal Science (ANSC 4630; 2000-2005; 1 hr/year).  
 Poisonous Range Plants (REWM 4000; 2000, 2002; 1 hr/year).  
 Principles of Toxicology (PATB 4140; 1 hour; 2000).

## Administrative and Service Responsibilities:

2001-present: Leadership, University of Wyoming College of Agriculture and Natural Resources (includes 7 academic departments; 2 interdisciplinary programs).  
 Oversight of UW Extension and Wyoming Agricultural Experiment Station.  
 Completed a total reorganization of the UW Extension into initiative and area teams with regional specialists in each part of the state.  
 Attracted funding for and led rebuilding of three of four Research and Extension Centers in Wyoming.  
 Worked with university administration and the State of Wyoming to build a Biosafety Level 3 laboratory and renovation for the Wyoming State Veterinary Laboratory.  
 Steady growth in enrollments from 807 to 1083 in 2015.  
 Over 90% of graduates obtain job or advanced training in their field.  
 Fostered increasing external research funding up to \$15M in 2014.  
 Over 100 producer driven/local needs research in 2014.  
 Raised over \$15 million in private funding.  
 Developed 3, 5 year academic plans with strong external and internal input.  
 Aligned college with the state and rebuilt departments to align with state needs.  
 Created and identified funds for the Wyoming Reclamation and Restoration

- Center.  
 Led creation and identified funds for the Wyoming Wildlife-Livestock Health Center.  
 Outreach teaching, Integrated Work of Leadership and Brain Map, Leadership Wyoming (2013 - present).  
 Hired and mentored new faculty members in all departments.  
 Regular communications with agricultural and natural resource associations, county commissioners, industry, state government and other stakeholders.  
 Work closely with a large external advisory board consisting of stakeholders from all aspects of college activity including major donors, industry figures, and agency leadership.  
 Coordination of the Governor's Brucellosis Coordination Team (2004-present).  
 Board of Directors, Leadership Wyoming (2009 – present).  
 Wyoming State Board of Agriculture (2001 – present).
- 1999-2001: Administration: Directorship of Wyoming State Veterinary Laboratory.  
 Developed and administered a survey of WSVL clients.  
 Developed and presented equipment depreciation and needs for WSVL.  
 Developed and submitted Fee List improvements for WSVL to the Fee Book.  
 Conducted and hosted biannual meetings of legislatively-mandated WSVL Advisory Council.  
 Hosted and coordinated a faculty retreat for the Department of Veterinary Sciences to discuss marketing of the department and team building.  
 Initiated a marketing program, including recruitment of a student intern from the business school to begin work in spring, 2001.  
 Made 5 trips to different parts of WY to visit with veterinarians about WSVL service. Contacted 30+ veterinarians in 20 clinics.  
 Prepared self-evaluation and hosted site visit team from American Association of Veterinary Laboratory Diagnosticians, successfully leading to reaccreditation of the WSVL for 5 years.  
 Developed newsletter (mentioned above) to better communicate with WSVL clients.  
 Committee member and subcommittee leader for the Life Sciences Reorganization committee chaired by Dr. RO Kelley of Health Sciences, University of Wyoming.  
 Served on two Wyoming Statewide committees. Interagency State Laboratory Coordination Committee (1999-present) and Disease Working Group on Bighorn Sheep/Domestic Sheep Interaction.
- 1984-1999: Served on 24 University committees. Includes program development, facilities planning, and building for a modern Equine Analytical Chemistry Laboratory. Chaired Search for Equine Analytical Chemist.  
 Reviewed 42 scientific manuscripts for journals including J Vet Diagn Invest, Am J Vet Res, and J Am Vet Med Assoc. Reviewed grants for the USDA Competitive Grants Program, USDA-ARS, Grayson Foundation, and UCD Center for Equine Health.  
 Served as primary and secondary reviewer for the USDA-ARS review of NP 108, Food Safety Programs (August-December, 2000).  
 Investigated 45 poisoning and infectious disease outbreaks in the field.

- 1989-1997: Pharmacologic and analytical chemistry support for the Equine Medical Director of the California Horse Racing Board.
- 1988-1999: Responsible for veterinary diagnostic toxicology for the livestock industry of the State of California through the California Veterinary Diagnostic Laboratory System (100% appointment as Section Head).
- 1984-1988: National Animal Poison Control Center -- Hotline and Diagnostic Toxicology rotations, Coordinator of Field Investigations.

### Refereed Publications:

1. Langston VC, Galey FD, Lovell RA, Buck WB: Toxicity and therapeutics of monensin: A review. Vet Med 80(10):75-84, 1985.
2. Galey FD, Lambert RJ, Busse M, Buck WB: Therapeutic efficacy of superactive charcoal in rats exposed to oral lethal doses of T-2 toxin. Toxicon 25(5):493-499, 1987.
3. Galey FD, Beasley VR, Carmichael WW, Kleppe G, Hooser SB, Hascheck WM: Blue-green algae (*Microcystis aeruginosa*) hepatotoxicosis in dairy cows. Am J Vet Res 48(9):1415-1420, 1987.
4. Galey FD, Beasley VR, Schaeffer DJ, Davis LE: Antagonism in isolated digital vessels of contraction induced by epinephrine in the presence of hydrocortisone and an aqueous extract of black walnut (*Juglans nigra*). J Vet Pharmacol Therap 12:411-420, 1989.
5. Galey FD, Beasley VR, Schaeffer DJ, Davis LE: Effect of aqueous black walnut(*Juglans nigra*) extract on isolated equine digital vessels. Am J Vet Res 51(1):83-88, 1990.
6. Galey FD, Twardock AR, Goetz TE, Schaeffer DJ, Hall JO, Beasley VR: Gamma scintigraphic analysis of distribution of perfusion in the equine foot during black walnut (*Juglans nigra*)-induced equine laminitis. Am J Vet Res 51(4):688-695, 1990.
7. Galey FD, Slenning BD, Anderson MA, Melton LA, Breneman PC, Tracy MA: Lead concentrations in blood and milk from periparturient dairy heifers seven months after an episode of acute lead toxicosis. J Vet Diagn Invest 2(3):222-226, 1990.
8. Galey FD, Hall JO: Field investigations of small animal toxicoses. Vet Clin N Am: Small Anim Pract 20(2):283-291, 1990.
9. Galey FD, Wells K: A case of *Scleroderma citrinum* toxicosis in a miniature Chinese pot-bellied pig. Vet Hum Toxicol 32(4):329-330, 1990.
10. Galey FD, Johnson BJ, Bruce R, McCaskill J: A case of *Datisca glomerata* poisoning in beef cattle. Vet Hum Toxicol 32(6):575-576, 1990.
11. Galey, F.D.; Whiteley, H.E.; Goetz, T.E.; Kuenstler, A.R.; Davis C.A.; Beasley, V.R.: Black walnut (*Juglans nigra*) toxicosis: A model for equine laminitis. J Comp Pathol:104:313-326, 1991.
12. Slenning, B.D.; Galey, F.D.; Anderson, M.: Forage-related nitrate toxicosis associated dietary non-protein nitrogen and monensin in a commercial dairy heifer replacement operation. J Am Vet Med Assoc 198(5):867-870, 1991.
13. Galey FD, Hullinger PJ, McCaskill J: Outbreaks of stringhalt in Northern California. Vet Hum Toxicol 33(2):176-177, 1991.

14. Panter KE, Galey FD, James LF, Pausch RD, Staigmiller RB, Short RE: Ponderosa pine needle induced parturition in cattle: Analysis for presence of mycotoxins. J Agric Food Chem 39(5):927-929, 1991.
15. Galey FD, Tracy M, Craigmill A, Barr BC, Peterson R, Markegard G, O'Connor M: Perennial ryegrass (*Lolium perenne*) staggers in Northern California sheep and cattle. J Am Vet Med Assoc 199:466-470, 1991.
16. Galey FD, Maas J, Tronstad RJ, Woods LW, Johnson BJ, Littlefield ES, Wallstrum R, Dorius LC: Copper toxicosis in two herds of beef calves following injection with copper disodium edetate. J Vet Diagn Invest 3:260-263, 1991.
17. Droual R, Meteyer C, Galey FD: Zinc toxicosis due to ingestion of a penny in a grey-headed chachalaca (*Ortalis cinereiceps*). Avian Dis 35:1007-1011, 1991.
18. Kinde H, Bettley RL, Ardans A, Galey FD, Daft BM, Walker RL, Eklund MW, Byrd JW: *Clostridium botulinum* Type-C intoxication associated with consumption of processed alfalfa hay cubes in horses. J Am Vet Med Assoc 199:742-746, 1991.
19. Maas J, Galey FD, Peauroi JR, Case JT, Littlefield ES, Gay CC, Koller LD, Crisman RO, Weber DW, Warner DW, Tracy ML: The correlation between serum selenium and blood selenium in cattle. J Vet Diagn Invest 4:48-52, 1992.
20. Galey FD, Holstege DM, Fisher EG: Toxicosis in dairy cattle exposed to poison hemlock (*Conium maculatum*) in hay: Isolation of conium alkaloids in plants, hay, and urine. J Vet Diagn Invest 4:60-64, 1992.
21. Woods LW, Johnson B, Hietala SK, Galey FD, Gillen D: Systemic granulomatous disease in a horse grazing pasture containing vetch (*Vicia sp*). J Vet Diagn Invest 4:356-360, 1992.
22. Johnson B, Moore J, Woods L, Galey FD: Systemic granulomatous disease in cattle in California associated with grazing hairy vetch (*Vicia villosa*). J Vet Diagn Invest 4:360-362, 1992.
23. Stoltz JF, Galey FD, Johnson BJ: Sudden death in psittacines associated with operation of a self cleaning oven. Vet Hum Toxicol 34(5):420-421, 1992.
24. Jeffrey J, Droual R, Meteyer CU, Galey F, Kinde H, Medina H: Recurrent transient paresis in a turkey flock. Avian Dis 36:760-765, 1992.
25. Cardona CJ, Bickford AA, Galey FD, Charlton BR, Cooper GL: A syndrome in commercial turkeys in California and Oregon characterized by a rear-limb necrotizing skeletal myopathy. Avian Dis 36:1092-1101, 1992.
26. Cardona CJ, Galey FD, Bickford AA, Charlton BR, Cooper GL: Skeletal myopathy produced with experimental dosing of turkeys with monensin. Avian Dis 37:107-117, 1993.
27. Blanchard P, Galey FD, Ross PF, Landgraf WW, Meyer H, Spiro N: Lasalocid toxicosis in dairy calves. J Vet Diagn Invest 5:300-302, 1993.
28. DeVries SE, Galey FD, Namikoshi M, Woo JC: Clinical and pathologic findings of blue-green algae (*Microcystis aeruginosa*) intoxication in a dog. J Vet Diagn Invest 5:403-408, 1993.

29. DeVries SE, Namikoshi M, Galey FD, Merritt JE, Rinehart KL, Beasley VR: Chemical study of the hepatotoxins from *Microcystis aeruginosa* collected in California. J Vet Diagn Invest 5:409-412, 1993.
30. Plumlee KH, Holstege DM, Blanchard P, Galey FD: Tree tobacco (*Nicotiana glauca*) toxicosis in a herd of cattle. J Vet Diagn Invest 5:498-499, 1993.
31. Galey FD, Mendez LE, Whitehead WE, Holstege DM, Plumlee KH, Johnson B: Estrogenic activity in forages: Diagnostic use of the classical mouse uterine bioassay. J Vet Diagn Invest, 5:603-608, 1993.
32. Maas J, Peauroi JR, Tonjes T, Karlunas J, Galey FD, Han B: Intramuscular selenium administration in selenium-deficient cattle. J Vet Internal Med 7:342-348, 1993.
33. Plumlee KH, Galey FD: Neurotoxic Mycotoxins: A review of fungal toxins that cause neurological disease in large animals. J Vet Internal Med 8 (1):49-54, 1994.
34. Jeffrey J, Galey F, Meteyer CU, Kinde H, Rezvani M: Type C botulism in turkeys: Determination of the median toxic dose. J Vet Diagn Invest 6:93-95, 1994.
35. Aguirre AA, Balazs GH, Zimmerman B, and Galey FD: Organic contaminants and trace metals in the tissues of green turtles (*Chelonia mydas*) afflicted with fibropapillomas in the Hawaiian Islands. Marine Pollution Bull 28(2):109-114, 1994.
36. Plumlee KH, Richardson ER, Gardner IA, and Galey FD: Effect of time and storage temperature on cholinesterase activity in blood from normal and organophosphorus insecticide-treated horses. J Vet Diagn Invest 6:247-249, 1994.
37. McDonough SP, Woodbury AH, Galey FD, Wilson DW, East N, and Bracken E: Hepatogenous photosensitization of sheep in California associated with ingestion of *Tribulus terrestris* (puncture vine). J Vet Diagn Invest 6:392-395, 1994.
38. Holstege DM, Scharberg DL, Tor ER, Hart LC, and Galey FD: A rapid multiresidue screen for organophosphorus, organochlorine, and n-methyl carbamate insecticides in plant and animal tissues. J AOAC Int'l 77(5):1263-1274, 1994.
39. Tor ER, Holstege DM, Galey FD: Determination of cholinesterase activity in brain and blood samples using a plate reader. J AOAC Int'l 77(5):1308-1313, 1994.
40. Galey FD: Diagnostic toxicology for the small animal veterinarian. California Vet, Sept-Oct:7-10, 1994.
41. Holstege DM, Seiber JN, Galey FD: A rapid multiresidue screen for alkaloids in plant material and biological samples. J Agric Food Chem 43:691-699, 1995.
42. Plumlee KH, Johnson, BJ, Galey FD: Acute salinomycin toxicosis of pigs. J Vet Diagn Invest 7:419-420, 1995.
43. Graham TW, Thurmond MC, Galey FD: Efficacy of copper oxide wire supplementation on repletion of copper stores in range beef cattle in Northern California. Agri-Pract 16:18-23, 1995.
44. Galey FD: Diagnostic and forensic toxicology. Vet Clin North Am: Equine Pract 11(3):443-454, 1995.
45. Cooper GL, Bickford AA, Charlton BR, Galey FD, Willoughby DH, and Grobner MA: Copper poisoning in rabbits associated with acute intravascular hemolysis. J Vet Diagn Invest 8:394-396, 1996.

46. Galey FD, Holstege DM, Plumlee KH, Tor E, Johnson B, Anderson ML, Blanchard PC, Brown F: Diagnosis of oleander poisoning in livestock. *J Vet Diagn Invest* 8:358-364, 1996.
47. Holstege DM, Galey FD, Johnson BJ, and Seiber JN: Determination of alkaloid exposure in a model ruminant (goat) using a multiresidue screening method. *J Agric Food Chem* 44:2310-2315, 1996.
48. Gardner IA, Cullor JS, Galey FD, Sischo W, Salman M, Slenning B, Erb HN, and Tyler JW: Alternatives for validation of diagnostic assays used to detect antibiotic residues in milk. *J Am Vet Med Assoc* 209(1):46-52, 1996.
49. Tor ER, Francis TM, Holstege DM, Galey FD: GC/MS Determination of pyrogallol and gallic acid in biological matrices as diagnostic indicators of oak exposure. *J Agric Food Chem* 44(5):1275-1279, 1996.
50. House JK, George LW, Oslund K, Galey FD, Stannard A, and Koch L: Primary photosensitization of cattle related to ingestion of alfalfa silage. *J Am Vet Med Assoc* 209:9:1604, 1996.
51. Tor ER, Holstege DM, and Galey FD: Determination of oleander glycosides in biological matrices by high-performance liquid chromatography. *J Agric Food Chem* 44(9):2716-2719, 1996.
52. Forsyth CS, Speth RC, Wecker L, Galey FD, Frank AA: Comparison of nicotinic receptor binding and biotransformation of coniine in the rat and chick. *Toxicol Letters* 89:175-183, 1996.
53. Puschner B, Galey FD, Holstege DM, Palazoglu M: Sweet clover poisoning in dairy cattle in California. *J Am Vet Med Assoc* 212:857-859, 1998.
54. Plumlee KH, Johnson B, Galey FD: Comparison of disease in calves dosed orally with oak or commercial tannic acid. *J Vet Diagn Invest* 10:263-267, 1998.
55. Palazoglu M, Tor E, Holstege DM, Galey FD: Multiresidue analysis of nine anticoagulant rodenticides in serum. *J Agric Food Chem* 46:4260-4266, 1998.
56. Puschner B, Galey FD, Johnson B, Dickie CW, Vondy M, Francis T, and Holstege DM: Blue green algae toxicosis in cattle. *J Am Vet Med Assoc* 213:1605-1607, 1998.
57. Davidson-York D, Galey FD, Blanchard P, and Gardner I: Selenium elimination in pigs after an outbreak of selenium toxicosis. *J Vet Diagn Invest* 11:352-357, 1999.
58. Stull CL, Farley JL, Galey FD, Cullor JS, and Wilson RA: Assessment of bacteria and mycotoxins in feed and coliforms in water offered to high and low performing commercial growing hogs in California. *Prof Anim Sci* 15:94-99, 1999.
59. Puschner B, St Leger J, and Galey FD: Normal and toxic zinc concentrations in serum/plasma and liver of psittacines with respect to genus differences. *J Vet Diagn Invest* 11 (6):522-527, 1999.
60. Galey FD, Terra R, Walker R, Adaska J, Etchebarne MA, Puschner B, Whitlock RH, Rocke T, Willoughby D, and Tor E: Type C botulism in dairy cattle from feed contaminated with a dead cat. *J Vet Diagn Invest*, 12:204-209, 2000.
61. Denver MC, Tell LA, Galey FD, et al: Comparison of two heavy metal chelators for treatment of lead toxicosis in cockatiels. *Am J Vet Res* 61:935-940, 2000.



62. Galey FD: Diagnostic toxicology for the food animal practitioner. Vet Clin N Am: Food Anim Practice 16:409-421, 2000.
63. Shivaprasad HL, Galey FD: Diphacinone and zinc phosphide toxicity in a flock of Peafowl. Avian Pathology 30:599-603, 2001.
64. Puschner B, Galey FD: Diagnosis and approach to poisoning in the horse. Vet Clin N Am: Equine Practice 17:399-410, 2001.
65. Galey FD: Botulism in the Horse. Vet Clin N Am: Equine Practice 17:579-588, 2001.
66. Holstege DM, Puschner B, Whitehead G, Galey FD: Screening and mass spectral confirmation of beta-lactam antibiotic residues in milk using LC-MS/MS. J Agric Food Chem 50 (2): 406-411, 2002.
67. Bucholz U, Mermin J, Rios R, Casagrande TL, Galey FD, Lee M, Quattrone A, Farrar J, Nagelkerke N, Werner SB: An outbreak of food-borne illness associated with methomyl-contaminated salt. J Am Med Assoc 288 (5): 604-610, 2002.
68. Moeller RB, Puschner B, Walker RL, Rocke T, Galey FD, Cullor JS, Ardans AA: Determination of the median toxic dose of type C botulinum toxin in lactating dairy cows. J Vet Diagn Invest 15:523-526, 2003.
69. Steffey EP, Mama KR, Galey FD, Puschner B, Woliner MJ: Effects of sevoflurane dose and mode of ventilation on cardiopulmonary function and blood biochemical variables in horses. Am J Vet Res 66 (4):606-614, 2005.
70. Steffey EP, Woliner MJ, Puschner B, Galey FD: Effects of desflurane and mode of ventilation on cardiovascular and respiratory functions and clinicopathologic variables in horses. Am J Vet Res 66 (4):669-677, 2005.
71. Aleman M, Magdesian KG, Peterson TS, Galey FD: Salinomycin Poisoning in horses. J Am Vet Med Assoc 230 (12):1822-1826, 2007.
72. Puschner B, Gallego S, Tor E, Wilson D, Holstege D, Galey F: The diagnostic approach and public health implications of phorate poisoning in a California dairy herd. J Clin Toxicol 53:001. Doi:10.4172/2161-0495, 2013.

### **Non-Refereed Publications and Newsletters:**

1. Galey FD: Lab confirmation of Se deficiency, diagnosis. Veterinary Professional Topics--Bovine 10:9, 1984.
2. Galey FD: Nitrate toxicosis in animals. CVDLS Lab Notes. 1(3):1-2, 1988.
3. Klein PN, Galey FD: The challenge of toxicologic investigation in birds. Association of Avian Veterinarians, Annual Proceedings, September, 1989.
4. Galey FD: Toxicology Service. CVDLS Lab Notes. 3(1):2, 1990.
5. Galey FD: Toxicoses in California food animals. California Veterinary Medical Association, 102nd Annual Syllabus/Proceedings. 486-497 October, 1990.
6. Galey FD: Drought-related poisoning hazards in livestock. CVDLS Lab Notes. 4(2):2 1991.

7. Galey FD: Information on drought-related toxicoses in cattle. Animal Science Roundup, University of California Cooperative Extension Service, 3(1):3, 1991.
8. Galey FD: Drought - related toxicoses in cattle. University of California, Department of Land, Air & Water Resources Drought Publications Series (pamphlet):1991.
9. Maas J, Galey FD, Case JT: Selenium and copper deficiency in California Livestock. CVDLS Lab Notes. 5(4):2, 1992.
10. Cardona CJ, Galey FD, Bickford AA: Turkey knockdown syndrome. CVDLS Lab Notes 5(4):5, 1992.
11. Galey FD: Lead poisoning in pets. PAL News, Spring/Summer:7-8, 1994.
12. Galey FD: Monensin: Update and Reminder. CVDLS Lab Notes. 8(3):5-6, 1995.
13. Galey FD: Feeding Cottonseed to Dairy Cattle. CVDLS Fact Sheet. 1995.
14. Galey FD, Holstege DM, Francis T, Hyde W, and Jack R: Residues of Datura Species in Horses. *In Proceedings of the 11<sup>th</sup> International Conference of Racing Analysts and Veterinarians*, Queensland, Australia, (Auer, D and Houghton, E eds), R & W Publications, Newmarket, England, pp. 333-337, 1996.
15. Galey FD: Botulism. CVDLS Lab Notes. 11(2):1, 1998.
16. Galey FD: General Principles of Toxicology in Small Animals. *In, Proceedings 318, Clinical Toxicology*. Post Graduate Foundation in Veterinary Science, University of Sydney, 1-8, 11-14 Nov, 1998.
17. Galey FD: Diagnostic Approach to the Small Animal Toxicology Case. *In, Proceedings 318, Clinical Toxicology*. Post Graduate Foundation in Veterinary Science, University of Sydney, 13-17, 11-14 Nov, 1998.
18. Galey FD: Lead Poisoning. *In, Proceedings 318, Clinical Toxicology*. Post Graduate Foundation in Veterinary Science, University of Sydney, 21-25, 11-14 Nov, 1998.
19. Galey FD: Blue-green Algae Poisoning. *In, Proceedings 318, Clinical Toxicology*. Post Graduate Foundation in Veterinary Science, University of Sydney, 29-32, 11-14 Nov, 1998.
20. Galey FD: Feed Related Poisonings I - Nitrate, Gossypol, & Botulism. *In, Proceedings 318, Clinical Toxicology*. Post Graduate Foundation in Veterinary Science, University of Sydney, 37-42, 11-14 Nov, 1998.
21. Galey FD: Copper, Zinc, and Iron Toxicity. *In, Proceedings 318, Clinical Toxicology*. Post Graduate Foundation in Veterinary Science, University of Sydney, 47-53, 11-14 Nov, 1998.
22. Galey FD: Bracken Fern, Avocado, & Staggers Syndrome Toxicities. *In, Proceedings 318, Clinical Toxicology*. Post Graduate Foundation in Veterinary Science, University of Sydney, 57-62, 11-14 Nov, 1998.
23. Galey FD: Petroleum Industry Toxicants. *In, Proceedings 318, Clinical Toxicology*. Post Graduate Foundation in Veterinary Science, University of Sydney, 67-73, 11-14 Nov, 1998.
24. Galey FD: Message from the Director, Editor, & Publication. WSVL News, Volumes 1 (1-3) and 2 (1), 2000, 2001.

25. Williams E, Galey FD: Vet lab offers 'behind the scenes' work for Wyoming agriculture. Wyoming Livestock Roundup, p. 2, 15 January, 2001.
26. Galey FD: Message from the Dean. Ag News. UW College of Agriculture. Volumes 11-24 (3 issues per volume), 2002-2012 (n=37).
27. Galey FD: The College Pitch. Cow Country, the official magazine of the Wyoming Stock Growers Association. 13 columns, 2004-2015 (n=37).

## Books:

1. Galey FD: Effective use of an analytical laboratory for toxicology problems. *In*: (Kirk RW, ed.) *Current Veterinary Therapy XI*. W.B. Saunders, Philadelphia, 168-172, 1992.
2. Galey FD: Invited Section Editor, Toxicology Section. *In*: (Robinson NE, ed.) *Current Therapy in Equine Medicine* 3rd ed. W.B. Saunders, Philadelphia, (10 Cptrs) 337-380, 1992.
3. Galey FD: Diagnostic toxicology. *In*: (Robinson NE, ed.) *Current Therapy in Equine Medicine* 3rd ed. W.B. Saunders, Philadelphia, 337-340, 1992.
4. Galey FD, Beasley VR, Twardock AR, Whiteley HE, Goetz TE, Hall JO, Manual R: Pathophysiologic effects of an aqueous extract of black walnut (*Juglans nigra*) when administered via nasogastric tube to the horse. *In*: *Poisonous Plants, Proceedings of the 3rd International Symposium on Poisonous Plants*. 630-635, 1992.
5. Galey FD: Arsenic. *In*: (Howard J, ed.) *Current Veterinary Therapy: Food Animal Practice* 3rd ed. W.B. Saunders, Philadelphia, 394-396, 1992.
6. Galey FD, Holstege DM, Richardson E, and Whitehead G: Poisonous plant diagnostics in California. *In*: (Colegate SM & Dorling PR, eds) *Plant-Associated Toxins: Agricultural, Phytochemical, & Ecological Aspects*. CAB Int'l, Wallingford, UK, 101-106, 1994.
7. Galey FD: Disorders caused by toxicants (also invited Section Editor). *In*: (Smith BP, ed) *Large Animal Internal Medicine* 2nd ed. CV Mosby, Philadelphia, 1874-1876 1995.
8. Galey FD: Plants and other natural toxicants. *In*: (Smith BP, ed) *Large Animal Internal Medicine* 2nd ed. CV Mosby, Philadelphia, 1877-1902, 1995.
9. Galey FD: Invited Section Editor, Toxicology Section. *In*: (Robinson NE, ed.) *Current Therapy in Equine Medicine* 4th ed. W.B. Saunders, Philadelphia, (8 Cptrs) 649-673, 1997.
10. Galey FD: Diagnostic toxicology. *In*: (Robinson NE, ed.) *Current Therapy in Equine Medicine* 4th ed. W.B. Saunders, Philadelphia, 652-655, 1997.
11. Mostrom MS, Coppock RW, Campbell CAJ, Johnson CI, Khan AA, Galey FD, and Stair EL: Diagnostic and monitoring procedures to determine poisoning by contaminants from the petroleum industry. *In*: (Chalmers GE, ed) *A Literature Review and Discussion of the Toxicological Hazards of Oilfield Pollutants in Cattle*. Alberta Research Council, Vegreville, AB, 271-326, 1997.
12. Galey FD: Mycotoxins and mycotoxicoses. *In*: (Hirsch DC & Zee, eds) *Reviews of Veterinary Microbiology* 2nd ed. Blackwell Scientific Publications, In press, 1998.

13. Galey FD: Tremorgenic Mycotoxins. *In*: (Howard JL & Smith R, eds) *Current Veterinary Therapy 4: Food Animal Practice* 4th ed. WB Saunders, Philadelphia, 260, 1999.
14. Galey FD: Oleander (*Nerium oleander*) Toxicosis. *In*: (Howard JL & Smith R, eds) *Current Veterinary Therapy 4: Food Animal Practice* 4th ed. WB Saunders, Philadelphia, 275-276, 1999.
15. Osweiler GD, Galey FD: Guest editors for *Toxicology*: Vet Clin N Am: Food Anim Practice 16:Preface xi-xii; November, 2000.
16. Galey FD: Approach to Diagnosis and Initial Treatment for the Toxicology Case *in* (Peterson and Talcott, eds) *Small Animal Toxicology*, WB Saunders, Philadelphia, 99-113, 2001.
17. Galey FD: Guest editor for *Toxicology*: Vet Clin N Am: Equine Practice 17:Preface xi-xii; December, 2001.

#### **Ph.D. Thesis:**

Investigation of a Model for the study of digital perfusion in equine laminitis using an extract of black walnut (*Juglans nigra*). Approved August, 1988.

#### **Standard Operating Procedures:**

18. CVDLS Toxicology Laboratory Staff (Galey FD, Section Head): CVDLS Toxicology Laboratory Operations Guidebook. UC Regents, 1989, Updated Quarterly.

#### **Papers Presented:**

19. June 4, 1986: "Blue-green algae (*Microcystis aeruginosa*) hepatotoxicosis in cattle" to the 8th Rocky Mountain Regional Meeting of the American Chemical Society in Denver, CO (abstract).
20. October 2, 1987: "Wood Preservatives in the agricultural setting" to the Annual Fall Conference for Veterinarians in Urbana, IL (lecture notes; invited).
21. April 9, 1988: "Poison Problems in Horses: How to Avoid Them" at the Illinois All-Breed Horse Fair 88 in Springfield, IL (invited).
22. May 18, 1989: "Diagnostic Veterinary Toxicology" to the Reno, Nevada Area Veterinary Practitioners in Reno, Nevada (invited).
23. July 18, 1989: "Pathophysiology of equine laminitis: the black walnut (*Juglans nigra*) model" to the 1989 AVMA Convention in Orlando, Florida (invited).
24. July 25, 1989: "Pathophysiologic effects of an aqueous extract of black walnut (*Juglans nigra*) when administered via nasogastric tube to the horse", poster presented at the 3rd International Symposium on Poisonous Plants in Logan, Utah (abstract).
25. September 24, 1989: "Toxicology for the practitioner", to the Second Annual Veterinary Clinical Research Symposium in Davis, CA (abstract; invited).
26. October 30, 1989: "The effect of parturition and initial milk production on the concentration of lead in milk and whole blood at 7 months after an episode of acute lead toxicosis in a herd of dairy heifers", to the Annual meeting of the American Association of Veterinary Laboratory Diagnosticians in Las Vegas, Nevada (abstract).

27. November 10, 1989: "Current topics in veterinary toxicology", to the Department of Veterinary Pharmacology and Toxicology, University of California-Davis School of Veterinary Medicine in Davis, CA (invited).
28. January 10, 1990: "Alfalfa hay-related toxicology in animals", to a meeting of the High Desert Alfalfa Growers of California in Barstow, CA (invited).
29. January 17, 1990: "Toxicology and diagnostic rule-outs associated with the botulism outbreak in Southern California in 1989", to a group of Southern California equine practitioners in Orange County, CA (invited).
30. January 23, 1990: "Diagnostic toxicology for the equine practitioner", to the 1990 Lake Tahoe Equine Conference in Incline Village, CA (lecture notes).
31. February 28, 1990: "Poisonous plant toxicology in trail horses", to the Nevada County Endurance Riders in Grass Valley, CA (invited).
32. March 20, 1990: "Diagnostic Toxicology for the equine practitioner, to the Southern California Veterinary Medical Association in Pico Rivera, CA (invited).
33. April 19, 1990: "Common and important toxicoses of cattle and horses", to the Tulare-Kings County Veterinary Medical Association in Visalia, CA (invited).
34. June 12, 1990: "Feed microscopy: A veterinary perspective", to the 38th Annual Meeting of the American Association of Feed Microscopists in Denver, CO (invited, proceedings).
35. June 19, 1990: "Current topics in equine toxicology", to the Wyoming Veterinary Medical Association 1990 Annual Meeting in Casper, WY (invited, lecture notes).
36. July 23, 1990: "Hepatotoxic plants", to the American Veterinary Medical Association in San Antonio, TX (invited).
37. October 7, 1990: "Outbreak of *Clostridium botulinum* Type C intoxication in horses in Southern California", [Kinde H, Bettey RL, Eklund MW, Galey FD, Daft BM, Walker RL, Byrd JW: Kinde presented paper] to the American Association of Veterinary Laboratory Diagnosticians in Denver, CO (abstract).
38. October 7, 1990: "Toxicosis in dairy cattle due to *Conium maculatum*-contaminated hay", to the American Association of Veterinary Laboratory Diagnosticians in Denver, CO.
39. October 7, 1990: "Lasalocid toxicosis in dairy calves", [Blanchard P, Galey FD, Ross PF: Blanchard presenter] to the American Association of Veterinary Laboratory Diagnosticians in Denver, CO (abst).
40. October 8, 1990: Mediated AAVLD toxicology session for the American Association of Veterinary Laboratory Diagnosticians in Denver, CO (invited).
41. October 8, 1990: "Terbufos (Counter™) toxicosis in feeder pigs", [Kore AM, Galey FD, Buck WB, Thompson LJ, Maudin TA, Harlin KS, Lovell RA, Hall JO: Kore presented paper] to the American Association of Veterinary Laboratory Diagnosticians in Denver, CO (abstract).
42. October 8, 1990: "Perennial ryegrass (*Lolium perenne*) staggers in Northern California cattle and sheep", [Galey FD, Cragmill AL, Barr BC, Markegaard G, Peterson R, Tracy M: Galey presented

- paper] to the American Association of Veterinary Laboratory Diagnosticians in Denver, CO (abstract).
43. October 8, 1990: "Suspected copper toxicosis in two herds of selenium deficient stressed beef cattle following subcutaneous injection of copper disodium edetate", [Galey FD, Maas J, Tronstad R, Woods LW, Johnson BJ, Littlefield ES, Wallstrum R, Dorius LC: Galey presented paper] to the American Association of Veterinary Laboratory Diagnosticians in Denver, CO (abstract).
  44. October 9, 1990: "Forensic versus scientific medicine", to the Veterinary Toxicology Retreat in Laramie, WY (discussion leader).
  45. October 20, 1990: "Toxicoses in California food animals", to the California Veterinary Medical Association, 102nd Annual Meeting in Monterey, CA (Syllabus, invited).
  46. January 24, 1991: "Current toxic plant cases affecting California livestock", to the Tulare-Kings County Veterinary Medical Association in Visalia, CA (invited).
  47. April, 1991: "Recurrent transient paresis in a turkey flock", [Jeffrey J, Droual R, Meteyer CU, Galey FD, Medina H, Kinde H: Jeffrey presenter] to the Western Poultry Disease Conference (abstract).
  48. March 30, 1991: "Effects of drought on livestock toxicoses in California", to the Tahama County Cattlemen's Association in Cottonwood, CA (invited).
  49. June 20, 1991: "Approach to toxicology diagnosis: Recent case examples", to the Redwood Empire Veterinary Association in Petaleuma, CA (invited).
  50. July 29, 1991: "Investigation of feed-related toxicoses in horses", to the American Veterinary Medical Association in Seattle, WA (invited).
  51. September 22, 1991: "Current topics/cases in equine toxicology", to the 4th Annual Symposium on Advances in Clinical Veterinary Medicine in Davis, CA (invited, proceedings).
  52. October 28, 1991: "Suspected *Haplopappus acradenius* toxicosis in beef heifers", [Galey FD, Hoffman R, Maas J, Barr B, Holstege D, Giacomazzi R: Galey presented paper] to the American Association of Veterinary Laboratory Diagnosticians in San Diego, CA (abstract).
  53. October 28, 1991: "The correlation between serum selenium and blood selenium in cattle as measured by atomic absorption spectroscopy using hydride generation and by inductively coupled argon plasma emission spectroscopy", [Mass J, Galey FD, Peauroi JR, Case JT, Littlefield ES, Gay CC, Koller LD, Crissman RO, Weber DW, Warner DW, Tracy ML] to the American Association of Veterinary Laboratory Diagnosticians in San Diego, CA (abstract).
  54. October 28, 1991: "Systemic granulomatous disease in cattle associated with grazing hairy vetch (*Vicia Villosa*)", [Johnson B, Moore J, Woods LW, Galey FD] to the American Association of Veterinary Laboratory Diagnosticians in San Diego, CA (abstract).
  55. October 28, 1991: "Recurrent transient paresis in a turkey flock", [Jeffrey J, Droual R, Meteyer CU, Galey FD, Medina H, Kinde H] to the American Association of Veterinary Laboratory Diagnosticians in San Diego, CA (abstract).
  56. March 1992: "Skeletal myopathy produced with experimental dosing of turkeys with monensin", [Cardona CH, Bickford AA, Galey FD, Charlton BR, Cooper GL] to the 41st Western Poultry Disease Conference in Sacramento, CA (abstract, proceedings).

57. March 1992: "Sudden drop in egg production associated with vitamin A toxicosis in chickens", [Kinde H, Prasad H, Galey FD, Cutler G, Hamar DJ] to the 41st Western Poultry Disease Conference in Sacramento, CA (abstract, proceedings).
58. April 1992: "Type C botulism in turkeys: Determination of the effective-dose-fifty", [Jeffrey J, Galey F, Meteyer C] to the house officers, UC Davis School of Veterinary Medicine in Davis, CA (abstract).
59. June 1992: "Validation of a multiresidue insecticide screen in plant and animal tissue", [Holstege DM, Richardson ER, Scharberg DL, Hart LC, Galey FD] to the Annual Meeting of the Midwest Section of the Association of Official Analytical Chemists in Champaign, IL (abstract).
60. June 1992: "Cholinesterase activity determination in brain and blood samples using a plate reader", [Richardson ER, Galey FD, Holstege DM] to the Annual Meeting of the Midwest Section of the Association of Official Analytical Chemists in Champaign, IL (abstract).
61. July 1992: "Neuromuscular disease associated with suspected lasalocid toxicosis in broilers", [Prasad H, Galey FD, Shapiro] to the Annual Meeting of the American Association of Avian Practitioners in Boston, MA (abstract).
62. September 13, 1992: "Equine forensic toxicology", to the 5th Annual Symposium on Advances in Clinical Veterinary Medicine in Davis, CA (invited, Proceedings).
63. September 13, 1992: "Clinical and diagnostic approaches to new/unknown toxicosis (horses)", to the 5th Annual Symposium on Advances in Clinical Veterinary Medicine in Davis, CA (invited, Proceedings).
64. September 13, 1992: "Methods in modern diagnostic toxicology - how to have the best chance to arrive at a diagnosis", to the 5th Annual Symposium on Advances in Clinical Veterinary Medicine in Davis, CA (invited, Proceedings, section moderator for food animals).
65. October 27, 1992: "Losses from poisonous plants, and poor feed and water quality", to the Cooperative Extension 1992 Drought Conference in Davis, CA (proceedings).
66. November 1, 1992: "Gross and microscopic diagnostic toxicology", to the AOAC/AAVLD Liaison Meeting of the American Association of Veterinary Laboratory Diagnosticians in Louisville, KY.
67. November 1, 1992: "VETTOX-L Toxicology electronic newsgroup", to the AOAC/AAVLD Liaison Meeting of the American Association of Veterinary Laboratory Diagnosticians in Louisville, KY.
68. November 2, 1992: "Estrogenic activity in forages: diagnostic use of the classical mouse uterine bioassay", [Galey FD, Mendez LE, Whitehead WE, Holstege DM, Plumlee KH, Johnson BJ: Galey presented paper] to the Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Louisville, KY (abstract).
69. May 17, 1993: "Toxicology and poisonous plants", to the Production Medicine Faculty Development Conference, University of Nevada, Reno, NV.
70. May 20, 1993: "Propylene glycol toxicity in adult dairy cows", to the ACVIM meeting in Washington, DC.
71. June 4, 1993: "Plant Diagnostics Program", to the USDA-ARS Poisonous Plant Research Laboratory, in Logan, UT.

72. June 16, 1993: "Copper's effect on cattle health", [Norman B, Galey FD] to the Santa Barbara County Cattlemen's Association in Buellton, CA.
73. June 16, 1993: "Poisonous plants and other toxicants", to the Santa Barbara County Cattlemen's Association in Buellton, CA.
74. September 22, 1993: "Grassland staggers of California", to the conference on Mycotoxicoses of Grassland Farming in Hamilton, New Zealand (abstract).
75. September 28, 1993: "Poisonous plant diagnostics in California", to the 4th International Symposium on Poisonous Plants in Freemantle, Western Australia (abstract; invited).
76. October 5, 1993: "Necrotic hemorrhagic hepatitis-splenomegaly syndrome in layer leghorn chickens" [Read DH, Daft BM, Barton JT, Woolcock PR, Cutler G, Galey E; Read presented paper] to the Fourth Western Meeting of Poultry Clinicians and Pathologists in Lake Louise, Alberta, Canada (abstract).
77. October 25, 1993: "Facial edema and myopathy in horses exposed to avocado (*Persea americana*) plants" [Galey FD, Read D, Hebbert B, and Blumenshine KM] to the 36th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Las Vegas, NV (abstract).
78. October 31, 1993: "Nitrate toxicosis", to the 6th Annual Symposium on Advances in Clinical Veterinary Medicine in Davis, CA (invited, proceedings).
79. March 18, 1994: "Current topics in veterinary diagnostic toxicology", to the VPT 290 Seminar group in Davis, CA.
80. April 19, 1994: "Toxicology Sampling", to the State-Federal Animal Health Association Meeting in Sacramento, CA.
81. July 11, 1994: "Grassland Staggers", to the American Veterinary Medical Association in San Francisco, CA.
82. July 11, 1994: Led panel discussion on "Approaches to Forage Mycotoxins", to the American Veterinary Medical Association in San Francisco, CA.
83. October 31, 1994: "Oleander toxicity in horses", [Galey FD, Richardson E, Siemens L, Whitehead G, Holstege D, Johnson B, Thomas W] to the 37th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Grand Rapids, MI (abstract).
84. October 31, 1994: "Dallisgrass staggers in a herd of beef bulls", [Galey FD, Miles CO, Whitehead G, Garthwaite I, and Brooks CR] to the 37th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Grand Rapids, MI (abstract).
85. October 31, 1994: "Copper poisoning in New Zealand White rabbits", [Copper GL, Bickford AA, Galey FD, and Willoughby DH], to the 37th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Grand Rapids, MI (abstract).
86. November 29, 1994: "Poisonous Plant Diagnostics in California", to the USDA, Agricultural Research Service in Albany, CA (invited).
87. January 24, 1995: "Plant Poisonings in the Horse: Diagnosis, Treatment and Prevention", to the



Seventeenth Lake Tahoe Equine Conference in Incline Village, Nevada.

88. June 26, 1995: "Development of mass spectral and thin layer chromatographic alkaloid libraries", [Holstege DM, Whitehead G, Booth MC, Tahara J, and Galey FD] to the Midwest Section of the Association of Official Analytical Chemists, St. Paul, Minnesota.
89. June 26, 1995: "Two dimensional TLC analysis of ingesta for oleandrin", [Holstege DM, Tor ER, Brown F, and Galey FD] to the Midwest Section of the Association of Official Analytical Chemists, St. Paul, Minnesota
90. April 6, 1995: "Natural toxins in the equine", to the North State Equine Practitioners, Loomis, CA (invited).
91. July 11, 1995: "Roundtable on Adverse Drug Reactions in Veterinary Medicine", to the AVMA meeting on Advances in Clinical Medicine in Pittsburgh, PA (Chaired Session).
92. October 12, 1995: "Natural toxicants in livestock", to the Solano County Veterinary Medical Association, Petaluma, CA (invited).
93. October 30, 1995: "Diagnosis of oleander poisoning in livestock", [Galey FD, Holstege DM, Plumlee KH, Tor E, Johnson B, Anderson ML, Blanchard PC, Brown F] to the 38th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Reno, NV (abstract).
94. October 30, 1995: "Development of mass spectral and thin layer chromatographic alkaloid libraries", [Holstege DM, Whitehead G, Booth MC, Tahara J, Galey FD] to the 38th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Reno, NV (abstract).
95. October 29-31, 1995: "Diphacinone and zinc phosphide toxicity in a flock of peafowl", [Shivaprasad HL, Galey FD] to the 38th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Reno, NV (poster presentation).
96. November 11, 1995: "Diagnostic Toxicology", to the Northern California Veterinary Medical Association in Cottonwood, CA (invited, handout).
97. December 1, 1995: "Poisonous Plant Diagnostics: Development of tests for oleander toxin and selected alkaloids", to the Department of Molecular Biology, School of Veterinary Medicine, Davis, CA
98. December 21, 1995: "Toxicants primarily associated with seizures in small animals", to the small animal residents of the Veterinary Medical Teaching Hospital, School of Veterinary Medicine, Davis, CA (invited, handout).
99. January 28, 1996: "Residues of *Datura sp* in California horses", to the AORC TIPS committee, Santa Anita Racetrack, CA (invited).
100. March 3, 1996: "Diagnostic and Clinical Toxicology for the Feline Practitioner", to the 14th Annual Feline Medicine Symposium, Davis, CA (invited, proceedings).
101. March 16, 1996: "Poisonous plants of importance in California animal agriculture", to the Tulare County Weeds Program, Visalia, CA.

102. March 23, 1996: "Mycotoxigenesis: Implications for the Llama", to the 1996 Llama Conference for Veterinarians, Davis, CA (invited).
103. June 10, 1996: "Systematic Approach to Diagnosis of Plant Poisoning", to the 13th Rocky Mountain Regional Meeting of the American Chemical Society, Denver, CO (invited).
104. June 11, 1996: "Analysis of Trace Levels of Ethylene Glycol and Glycolic Acid in Serum and Urine", [Holstege DM, Francis T, Tor ER, and Galey FD] to the Midwest Meeting of the Association of Official Analytical Chemists, Omaha, NE.
105. July 22, 1996: "Approaching the Toxicology Case", to the 133rd Annual Meeting of the American Veterinary Medical Association, Louisville, KY.
106. October 14, 1996: "Chronic Selenosis in California Horses", to the 39th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Little Rock, AR (abstract).
107. October 14, 1996: "Lead Toxicosis in an Eclectus Parrot and other Birds", [Shivaprasad HL, Galey FD] to the 39th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Little Rock, AR (abstract).
108. October 14, 1996: "Myocardial Changes in Horses and Cattle Caused by Experimental Oleander Toxicosis", [Johnson B, Galey FD, Holstege DM, Siemens L, Brown F] to the 39th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Little Rock, AR (abstract).
109. January 4 & 5, 1997: 5 hours of lecture regarding clinical food animal toxicology including, "Toxicology: Field Approach to Diagnosis and Sampling", "Feed, Industrial and Oilfield Toxicants", "Water Quality and Waterborne Toxicants", "Toxicology: Pesticides, Herbicides, and Plant Toxins", and "Potpourri/Large Animal Toxicoses" to the 58th Annual Conference for Veterinarians, Lory Student Center, Fort Collins, CO (invited, proceedings).
110. April 19, 1997: "Management Options for Ryegrass Staggers", to the Sonoma-Marín Woolgrowers, Tamales Bay, California (invited).
111. May 20, 1997: "Toxicity and diagnosis of oleander (*Nerium oleander*) poisoning in livestock," [Galey FD, Holstege D, Johnson B, Siemens L] to the 5th International Symposium on Poisonous Plants, San Angelo, TX (invited; abstract).
112. May 20, 1997: "Development and validation of a multiresidue alkaloid screen," [Holstege D, Galey FD, Booth MC] to the 5th International Symposium on Poisonous Plants, San Angelo, TX (abstract).
113. June 10, 1997: "Veterinary Diagnostic Applications of Ion Trap GC/MS/MS", [Holstege D, Tor E, Palazoglu M, and Galey FD, Holstege presented paper], to the Midwest meeting of the Association of Official Analytical Chemists, Fargo, ND.
114. October 20, 1997: "Incidence of perennial ryegrass staggers in Northern California sheep," [Madden T, Galey FD, Glenn J, Gardner I; Galey prepared and presented] to the 40th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Louisville, KY (abstract).
115. October 20, 1997: "Staggers in pastured beef cattle in the Central Valley of California," [Galey FD, Blanchard PC, Adaska J, Puschner B, Holstege D, McDougald N, Garthwaite I, Miles C, Whitehead GC] to the 40th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Louisville, KY (abstract).

116. October 17-21, 1997: "Selenium elimination in pigs after an outbreak of selenium toxicosis," [Davidson-York D, Blanchard P, Gardner I, Galey FD] to the 40th Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Louisville, KY (Poster).
117. November 18, 1997: "Toxic plants affecting livestock," to the Annual Educational Meeting for area livestock producers sponsored by Dr. Charles Tobias in Hollister, CA.
118. December 4, 1997: "Grass Staggers in Cattle" to the Annual Meeting of the California Cattlemen's Association in Reno, Nevada (invited).
119. December 12 - 14, 1997: Presented 4 lectures regarding radiation hazards, food animal diagnosis, residues, and clinical approaches related to petroleum industry toxicoses to the 1997 Environmental Toxicology: Oilfield Pollution - Diagnosis and Treatment Workshop sponsored by the Alberta Veterinary Medical Association in Nisku and Vegreville, Alberta, Canada (invited).
120. October 5, 1998: "*Clostridium botulinum* Type C Poisoning in a Holstein Dairy Herd associated with Feeding a Total Mixed Ration that Contained Hay Contaminated with a Dead Cat," [Galey FD, Terra R, Walker R, Adaska J, Fisher E, Etchebarne MA, Puschner B, Whitlock RH, Roche T, Willoughby D, Hult C, Holstege DM, Tor E, and Reagor JC] to the 41st Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Minneapolis, MN (abstract).
121. October 5, 1998: "Normal and toxic zinc concentrations in liver and serum/plasma of psittacines in respect to genus differences," [Puschner B, St Leger J, and Galey FD] to the 41st Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Minneapolis, MN (abstract).
122. October 5, 1998: "A Multiresidue Plant Cardiotoxin Screen in Biological Samples using Two-Dimensional Thin-Layer Chromatography," [Holstege DM, Puschner B, Booth MC, Francis T, and Galey FD] to the 41st Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in Minneapolis, MN (abstract).
123. November 5, 1998: "Oleander Toxicosis in Livestock," to the faculty and graduates of the University of Brisbane, Brisbane, Queensland, Australia (invited).
124. November 9, 1998: "Diagnostic Toxicology at Davis," to the veterinary faculty at the University of Sydney, Camden, NSW, Australia (invited).
125. November 11, 1998: "General Principles of Toxicology in Small Animals," to the Post Graduate Foundation in Veterinary Science, University of Sydney, Sydney, NSW, Australia (proceedings).
126. November 11, 1998: "Diagnostic Approach to the Small Animal Toxicology Case," to the Post Graduate Foundation in Veterinary Science, University of Sydney, Sydney, NSW, Australia (proceedings).
127. November 12, 1998: "Lead Poisoning," to the Post Graduate Foundation in Veterinary Science, University of Sydney, Sydney, NSW, Australia (proceedings).
128. November 12, 1998: "Copper, Zinc, & Iron Toxicity," to the Post Graduate Foundation in Veterinary Science, University of Sydney, Sydney, NSW, Australia (proceedings).
129. November 13, 1998: "Blue-green Algae Poisoning," to the Post Graduate Foundation in Veterinary Science, University of Sydney, Sydney, NSW, Australia (proceedings).

130. November 13, 1998: "Feed Related Poisonings I - Nitrate, Gossypol, & Botulism," to the Post Graduate Foundation in Veterinary Science, University of Sydney, Sydney, NSW, Australia.
131. November 13, 1998: "Oleander Poisoning," to the Post Graduate Foundation in Veterinary Science, University of Sydney, Sydney, NSW, Australia.
132. November 14, 1998: "Bracken Fern, Avocado, & Staggers Syndrome Toxicities," to the Post Graduate Foundation in Veterinary Science, University of Sydney, Sydney, NSW, Australia (proceedings).
133. November 14, 1998: "Petroleum Industry Toxicants," to the Post Graduate Foundation in Veterinary Science, University of Sydney, Sydney, NSW, Australia (proceedings).
134. November 17, 1998: "Oleander Toxicosis in Livestock," to the CSIRO Division of Animal Health, Australian Animal Health Laboratory, Geelong, Victoria, Australia.
135. February 15, 1999: "Diagnostic Toxicology for the Large Animal Practitioner," to the 71st Annual Western Veterinary Conference, Las Vegas, NV.
136. February 15, 1999: "Natural Toxin Incidents of Livestock," to the 71st Annual Western Veterinary Conference, Las Vegas, NV.
137. February 15, 1999: "Cardiac Toxicants in Large Animal Practice," to the 71st Annual Western Veterinary Conference, Las Vegas, NV.
138. February 15, 1999: "Oilfield Hazards for Livestock," to the 71st Annual Western Veterinary Conference, Las Vegas, NV.
139. February 16, 1999: "Diagnostic Toxicology for the Small Animal Practitioner," to the 71st Annual Western Veterinary Conference, Las Vegas, NV.
140. February 16, 1999: "Toxicology of Convulsant Compounds," to the 71st Annual Western Veterinary Conference, Las Vegas, NV.
141. February 16, 1999: "Toxicology of Mycotoxins and Mushrooms," to the 71st Annual Western Veterinary Conference, Las Vegas, NV.
142. February 16, 1999: "Toxicology of Insecticides in Small Animals," to the 71st Annual Western Veterinary Conference, Las Vegas, NV.
143. February 17, 1999: "Diagnosis and Care of the Poisoning Case," to the 71st Annual Western Veterinary Conference, Las Vegas, NV.
144. October 10, 1999: "Management and Outcome of an Outbreak of Copper Poisoning in a Holstein Dairy Herd," to the 42nd Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians in San Diego, CA (abstract).
145. December 2, 1999: "Emerging Animal Health Issues," to the Wyoming Stock Grower's Association Winter Meeting in Casper, WY.
146. 1999-present: Biannual updates on Animal Health to the Animal Health Committee of the Wyoming Stock Grower's Association's December and June meetings in Casper, WY.

147. Rabies mini-symposia (Mills, K, Logan J, Galey FD) to producers in Riverton (18 April, 2000), Gillette (15 May, 2000), Sheridan (16 May, 2000), and Farson (13 Dec, 2000) all in Wyoming.
148. Public presentations regarding the UW College of Agriculture for the Wyoming Association of County Commissioners (2001-2014), Wyoming Stock Growers Association (2001-2014), Wyoming Farm Bureau (2006; 2012), and the Wyoming Crop Improvement Association (2001-2014).

#### Research:

1. Served as an investigator on treatment studies for "Toxicologic and analytical studies with T-2 and related mycotoxins," funded by the U.S. Army Medical Research and Development Command, 1983.
2. Co-author of grant proposal and served as an investigator on "Pathophysiology and toxicokinetic studies of blue green algae intoxication in the swine model," funded by the U.S. Army Medical Research and Development Command, 1985 (\$1,160,547).
3. Co-author of grant proposal and conducted studies on "The development of a black walnut (*Juglans nigra*) model for equine laminitis," funded by University of Illinois Agricultural Experiment Station (Hatch) grant, 1987 (\$16,000) and 1988 (\$17,200).
4. Investigated the effects of feed and illness rate on trace element levels in cattle from a feedlot in Brawley, CA in cooperation with veterinarians from Cow Doc, Inc. An extensive case report was prepared, 1989.
5. Author of grant proposal and conducted studies on "Initial development of a screen for plant alkaloids that affect livestock," funded by the Livestock Disease Research Laboratory, University of California, Davis, 1992 (\$10,000).
6. Author of grant proposal and conducted studies on "Development of a multi-drug assay for common nonsteroidal antiinflammatory drugs in horses," funded by the Equine Research Laboratory, University of California, Davis, 1992-1993 (\$34,400).
7. Author of grant proposal and conducted studies on "Toxicity, toxicokinetics, and diagnosis of oleander (*Nerium oleander*) in horses," funded by the Equine Research Laboratory, University of California, Davis, 1992-1993 (\$17,000).
8. Author of grant proposal and conducted studies on "Analysis and significance of toxins in livestock poisoned by plants," funded by the USDA (Formula fund), 1992-1993 (\$8,000), 1993-1994 (\$10,000), 1994-1995 (\$8,000).
9. Author of grant proposals and conducted studies on "Investigation of a clean-up for instrumental analysis for antibiotics in bovine milk," funded by the Livestock Disease Research Laboratory 1995-1997, 1999 (\$10,000 each year, 11945 for 1999).
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