

VITA
Heidi Adelaide Brady, Ph.D., Dipl. ACAP
Box 42141
Dept. Animal and Food Sciences
Texas Tech University
Lubbock, TX 79409
(806) 742-2805 x 243
Fax (806) 742-4003
heidi.brady@ttu.edu

EDUCATION:

1976 B.A. University of Virginia. Double Major: Biology and History of Art
1981 M.S. Pennsylvania State University. Animal Industries
1992 Ph.D. Texas A&M University. Physiology of Reproduction

PROFESSIONAL EXPERIENCE:

1983-1984 Research Assistant, Department of Equine Reproduction, New York College of Veterinary Medicine

1987-1989 Project Coordinator, Research Specialist, University of Pittsburgh School of Medicine

1989-1991 Graduate Teaching Assistant, Department of Animal Science, Texas A&M University

1991-1992 Tom Slick Graduate Research Fellow, Department of Animal Science, Texas A&M University

1992-1993 Post-Doctoral Research Fellow, Department of Veterinary Anatomy and Public Health, Texas A&M University

1993-1995 Assistant Professor, Department of Animal Sciences, University of Illinois

1995-2002 Assistant Professor, Department of Animal Science and Food Technology, Texas Tech University

2002-pres. Associate Professor, Department of Animal and Food Sciences, Texas Tech University

Graduate faculty Member, Texas Tech University

Other Professional and Industry Employment

1984-1987 Partner and Co-Manager, Paki Kainga Thoroughbred Stud Farm, Stratford, New Zealand

1983-1984 Co-Manager of Breeding Operation, Owner-Trainer of Thoroughbred racehorses, Meiduray Farm, Stratford, New Zealand

1981-1982 Assistant to trainer of racehorses. R.F. Langsford Racing Stable, Kumeu, New Zealand

LICENSES AND CERTIFICATIONS:

- 1992 Professional Animal Scientist, (PAS) American Registry of Professional Animal Scientists. 1992 to present.
- 2003 Diplomate, American College of Animal Physiology, American Registry of Professional Animal Scientists 2003 to present.
- 2004 Registered Level Therapeutic Riding Instructor Certification North American Riding for the Handicapped Association. 2004 to present.

INTERNATIONAL EXPERIENCE:

- 2007 Presentation in Rolduc, The Netherlands. International Society of Equine Reproduction.
- 2008 Two presentations in Copenhagen, Denmark. International Symposium of Equine Parasitology.
- 2009 Presentation in Munster, Germany. XIII International Congress of Therapeutic Riding. August, 2009

MEMBERSHIP IN PROFESSIONAL AND HONORARY SOCIETIES:

Professional:

1. American Society of Animal Science 1992 – present
2. American Quarter Horse Association 1992 to present
3. American Registry of Professional Animal Scientists 1992 - present
4. Stock Horse of Texas (SHOT), Advisory Board 1999-2003
5. North American for Riding for the Handicapped Association
6. American Hippotherapy Association 2004 - present
7. Equine Facilitated Mental Health Association 2004 – present
8. Equine Science Society 1990- present

Honorary:

1. Texas Tech Teaching Academy Member, Inducted Fall 2006
2. Gamma Sigma Delta Honor Society of Agriculture
3. Golden Key Honor Society

HONORS AND AWARDS:

1. Tom Slick Graduate Research Fellowship, Texas A&M University 1991
2. Graduated Cum Laude, Pennsylvania State University, 1981
3. Outstanding Teacher Award “Incomplete List of Teachers Ranked Excellent by Their Students”, University of Illinois
4. Outstanding Faculty Recognition, Delta Delta Delta, Texas Tech University 1991
5. Academic Keys Who's Who in Agriculture Higher Education (WWAHE) Awarded
6. Exemplary Teacher Professor. U.S.D.A. National Case Study of Learner-Centered Approaches in Agriculture, Food, and Natural Resources. 2004-2005
7. Appointed as Editor: Higher Education Voices; North American Riding for the Handicapped Association (NARHA)
8. President's Higher Education Community Service Honor Roll.- Faculty Contributor 2007 and 2008
9. Appointed to Curriculum Development Committee, North American Riding for the Handicapped Association
10. Appointed to the Higher Education Subcommittee; North American Riding for the Handicapped Association
11. Academic Keys Who's Who in Agriculture Higher Education (WWAHE).
12. Texas Tech Service-Based Learning Mentoring Fellow, 2007-2008
13. Nominee for Texas Tech University for the Thomas Ehrlich Faculty Award for Service-Learning. Campus Compact, Texas Tech University, 2007.
14. Creative IS 1100 Teaching Award Recipient (Brady, Alvarado and Thompson), Texas Tech University, 2008
15. Appointed to Chair the Educational Publications Task Force, NARHA, 2008-2009
16. Appointed to Programs and Standards Committee, North American Riding for the Handicapped Association, 2008-2010
17. Nominee for the College of Agriculture and Natural Resources for the Spencer Wells Award for Creativity on Teaching Award, Texas Tech University, 2009

AREA OF EXPERTISE: Equine Reproduction and Management; Equine-Assisted Therapy

PUBLICATIONS:

Thesis and Dissertation

Brady, H.A. 1981. The chemotactic properties of the uterine fluid of the mare as related to uterine resistance to bacterial infections. M.S. Thesis. Pennsylvania State University, University Park, PA.

Brady, H.A. 1992. Development of a model system for the study of maternal recognition of pregnancy in the mare. Ph.D. Dissertation. Texas A&M University, College Station, TX.

Books: total of 0

Book Chapters: 1

Meaney, K.S., J. Miller and **H.A. Brady**. Service-Learning at Texas Tech University. Chapter 18 in: Service Learning in Physical Education and Other Related Professions- A Global Perspective. M.P. Miller and J. D. Nendel, Eds. Jones and Barlett, Sudbury, MA.(2011). pp.264-279.

Book Chapters Edited: 0

Refereed Journals:

Published:

1. Blue, M.G., **H.A. Brady**, J.N. Davidson, and R.M. Kenney. 1982. Studies on the composition and antibacterial activity of uterine fluid from mares. J. Reprod. Fertil. 32(suppl.):143-149.
2. **Blue, H.B.**, M.G. Blue, R.M. Kenney, and T.L. Merritt. 1984. Chemotactic properties and protein of uterine fluid. Am. J. Vet. Res. 45(6):1205-1208.
3. Sclabassi, R.J., M. Sun, L.N. Sekhar, J.F. Wasserman, and **H.B. Blue**. 1987. An acoustic aneurysm detector. Med. Instrum. 21(6):317-322.
4. Sekhar, L.N., R.J. Sclabassi, M. Sun, **H.B. Blue**, and J.F. Wasserman. 1988. Intra-aneurysmal pressure measurements in experimental saccular aneurysms in dogs. Stroke 19(3):352-356.
5. Sun, M., L.N. Sekhar, R.J. Sclabassi, J.F. Wasserman, **H.B. Blue**, and K.A. Luyckx. 1988. Recording and processing aneurysmal vibration signals in dogs. J. Biomed. Eng. 10:336-342.

6. **Brady, H.A.**, R.C. Burghardt, J.W. Evans, T.L. Blanchard, and D.D. Varner. 1992. Intercellular communication in mare endometrial epithelium isolated during estrus and diestrus. *J. Equine Vet. Science* 12(4):227-232.
7. **Brady, H.A.**, R.C. Burghardt, J.W. Evans, T.L. Blanchard, D.D. Varner, and J.E. Bruemmer. 1993. Model system for the study of uterine/trophoblast interactions in the mare. *J. Equine Vet. Science* 13(9):506-511.
8. **Brady, H.A.**, R.C. Burghardt, J.W. Evans, T.L. Blanchard, D.D. Varner, W.E. Day, K. Schwab, J.E., Bruemmer, B. Risek, and N.B. Guila. 1995. Gap junctional coupling and connexin expression in equine endometrial uterine glands. *Biol. Reprod. Mono.* 1:507-514.
9. Frey, L.P., K.H. Kline, J.H. Foreman, **H.A. Brady**, and S.R. Cooper. 1995. Effects of racing and sodium bicarbonate in standardbred horses. *Equine Vet. J.* 18(suppl.):310-313.
10. Cooper, S.R., K.H. Kline, J.H. Foreman, **H.A. Brady**, and L.P. Frey. 1998. Effects of dietary cation- anion balance and pH, electrolytes, and lactate in standardbred horses. *Sci.* 18(10):662-666.
11. Johnson, N.N., **H.A. Brady**, C.S. Whisnant, and P.A. LaCasha. 1998. Effects of oral altrenogest on sexual/aggressive behavior and seminal parameters in young stallions. *J. Equine Vet. Sci.* 18(4):249- 253.
12. Sixiang, Z., **H.A. Brady**, and W.L. Hurley. 1998. Composition of mammary gland secretions during the peripartum period in mares. *J. Equine Vet. Sci.* 18(2):184-189.
13. LaCasha, P.A., **H.A. Brady**, V.G. Allen, C.R. Richardson, and K.R. Pond. 1999. Voluntary intake, digestibility, and subsequent preference of Matua prairie grass, coastal bermudagrass, and alfalfa hay by yearling horses. *J. Anim. Sci.* 77:2766-2773.
14. Heninger, N.L., **H.A. Brady**, S.D. Prien, A.D. Herring, K.A. Guay, and L.A. Janecka. 2001. The effects of oral altrenogest on hormonal, testicular, and behavioral profiles of two-year-old stallions. *Professional Animal Scientist* 17:75-80.
15. Vartorella, H.A., **H.A. Brady**, A.D. Herring, and S.D. Prien. 2001. The effects of an intermittent regiment of altrenogest on behavioral, hormonal, and testicular parameters of three-year-old stallions. *Professional Animal Scientist*: 17:317-321.
16. Bruemmer, J.E., **H.A. Brady** and T.L. Blanchard. 2002. Uterine involution, day and variance of first postpartum ovulation in mares treated with progesterone and estradiol-17 β for one or two days postpartum. *Theriogenology*:57(2):989-995.
17. Breazeale, K., **H.A. Brady**, M. Bi, S Uppuluri, L.D. Thompson and D.M. Hardy. Biochemical properties and localization of zonadhesin in equine spermatozoa. 2002. *Theriogenology* 58:359-362.

18. Guay, K.A., **H.A. Brady**, V.G. Allen, K.R. Pond, D. B. Wester, L.A. Janecka and N.L. Heninger. 2002. Matua bromegrass hay for mares in gestation and lactation. J. Anim. Sci. 80:2960-2966.
19. Goolsby, H.A., **H.A. Brady** and S.D. Prien. 2004. The off-label use of altrenogest in stallions: A survey. J. Eq. Vet. Sci. (2).
20. **Brady, H.A.**, D.E. Lawver, K.A. Guay, A.A. Pyle, and N. T. Cepica. 2005. Principles of therapeutic riding as a service-based learning course within an agricultural curriculum. NACTA Journal 49 (4): 19-23.
21. Bailey, L. B., **H.A. Brady**, S. Tardif., L.D. Thompson and D.M. Hardy. 2006. Zonadhesin expression and localization in stallion testes. Anim. Reprod. Sci. 94: 56-59.
22. BlaneK, M, **H.A. Brady**, W. T. Nichols, D.P. Hutcheson, S. P. Jackson, K.R. Pond and K.R. Wilson. 2006. Investigation of anthelmintic resistance and deworming regimens in horses. Prof. Anim. Scientist (22): 346-352.
23. **Brady, H.A.**, Nichols, W.T., BlaneK, M and D.P. Hutchison. 2008. Parasite resistance and the effects of rotational deworming regimens in horses. Medicine-Infectious Diseases. Am. Assoc. of Equine Practitioners, Proc. National Meeting 54:1-6.
24. **Brady, H.A.** and W. T. Nichols. 2009. Drug Resistance in Equine Parasites- An Emerging Global Problem. J Eq.Vet. Sci. 29 (5):285-295.
25. Tardif, S., **Brady, H.A.**, Breazeale, K.R., Bi, M., Thompson, L.D., Bruemmer, J.E., Bailey, L.B. and D.M. Hardy. Zonadhesin D3-Polypeptides Vary among Species but are Similar in Equus Species Capable of Interbreeding. 2010. Biol. Reprod. 82:413-421.

Proceedings papers:

Refereed

Volunteered 2

1. BlaneK, M, **Brady, H.A.**, Nichols, W.T., Jackson, S.P., Pond, K.R., Wester, D.D. and K.R. Wilson. Investigation of deworming regimens and anthelmintic resistance in horses. 2005. Proc. Equine Science Society Meeting, Graduate Competition paper and presentation. Proc. Equine Science Society Meeting, Tucson, AZ. pp. 71-75.
2. Eager, F.E., **Brady, H.A.**, Thompson, L.D., Bruemmer, J.E. and D. Hardy. 2005. Biochemical properties of zonadhesin in spermatozoa of fertile and subfertile stallions. Graduate Competition paper and presentation. Proc. Equine Science Society Meeting, Tucson, AZ . pp 95-100.

Invited 3

1. **Brady, H.A.**, N.N. Johnson, C.S. Whisnant, and S.D. Prien. 1997. Effects of oral altrenogest on testicular parameters, steroid profiles and seminal characteristics in young stallions. Proc. Am. Assoc. Equine Pract. 195-196. (Invited peer-reviewed paper)
2. **Brady, H.A.**, Nichols, W.T., Blanek, M and D.P. Hutchison. 2008. Parasite resistance and the effects of rotational deworming regimens in horses. AAEP Proc. Medicine-Infectious Diseases. 54:1-6.
3. **Brady, H.A.** and W. T. Nichols. Parasite Resistance in Horses- An Emerging Global Problem. Equine Sciences Invited Speaker on Equine Production. Breckenridge, CO May 2009.
4. **Brady, H.A.**, S. Tardif and D.M. Hardy. Review of the Sperm Protein Zonadhesin within Equus. Proc. R.M. Kenney Symposium, Longwood Gardens, PA. September, 2009.

Refereed Abstracts:

Volunteered:

1. Sekhar, L.N., H. Yonas, **H.B. Blue**, and L.W. Wechsler. 1988. A comparative study of transcranial Doppler and xenon CT blood flow values following subarachnoid hemorrhage. J. Cardiovasc. Ultrason. 7(1):106.
2. **Brady, H.A.**, R.C. Burghardt, J.W. Evans, T.L. Blanchard, and D.D. Varner. 1991. Intercellular communication in mare endometrial epithelium isolated during estrus and diestrus. Proc. 12th Equine Nutrition and Physiology Society Symposium, p. 173-174. Calgary.
3. **Brady, H.A.**, J.E. Bruemmer, T.L. Blanchard, J.W. Evans, and R.C. Burghardt. 1992. Uterine involution and first postpartum ovulation in mare treated with progesterone and estradiol 17- β . J. Animal Science 70(suppl. 1):24.
4. **Brady, H.A.**, J.E. Bruemmer, T.L. Blanchard, R.C. Burghardt, and J.W. Evans. 1992. Uterine involution, first postpartum ovulation, and foal-heat pregnancy rates in mares treated with progesterone and estradiol 17- β for one or two days postpartum. Proc. Society for Theriogenology Meeting. San Antonio, TX.
5. **Brady, H.A.**, R.C. Burghardt, J.W. Evans, T.L. Blanchard, and D.D. Varner. 1992. Histochemical and ultrastructural characteristics of the preimplantation equine endometrium. J. Animal Science 70(suppl.1):263.

6. **Brady, H.A.**, R.C. Burghardt, T.L. Blanchard, D.D. Varner, and J.W. Evans. August 1992. Development of a model system for maternal recognition of pregnancy of pregnancy in the mare. Proc. Society for Theriogenology Meeting. San Antonio, TX.
7. Bruemmer, J.E., **H.A. Brady**, T.L. Blanchard, J.W. Evans, and R.C. Burghardt. 1992. First postpartum ovulation, uterine involution, and conception rates in mares treated with a single dose of progesterone and estradiol 17- β . J. Animal Science 70 (suppl.1): 262.
8. **Brady, H.A.**, R.C. Burghardt, J.W. Evans, T.L. Blanchard, D.D. Varner, and J.E. Bruemmer. 1993. Model system for the study of uterine/trophoblast interactions in the mare. Proc. 13th Equine Nutrition and Physiology Society Symposium, p. 314-315.
9. **Brady, H.A.**, R.C. Burghardt, J.W. Evans, T.L. Blanchard, D.D. Varner, J.E. Bruemmer, and W.E. Day. 1993. Early pregnancy and embryo recognition in the mare. Proc. Texas Agricultural Extension Services Horse Short Course. p. 63. Texas A&M University.
10. **Brady, H.A.** 1994. Teaching horse production to youth groups. Proc. of the American Youth Horse Council, p. 28. Oakbrook, IL.
11. **Brady, H.A.**, R.C. Burghardt, J.W. Evans, T.L. Blanchard, D.D. Varner, W.E. Day, K. Schwab, J.E. Bruemmer, B. Risek, and N.B. Guila. 1994. Gap junctional coupling and connexin expression in equine endometrial uterine glands. Proc. of the 6th International Symposium on Equine Reproduction. p. 123-124. Caxambu, Brazil.
12. Burghardt, R.C., W.E. Day, C.A. Schwab, R. Barhoumi, T.L. Blanchard, D.D. Varner, **H.A. Brady**, B. Risek, and N.B. Guila. 1994. Structural and functional analysis of gap junction expression in equine endometrial epithelium. Proc. of the 27th Annual Meeting of the Society for the Study of Reproduction. Ann Arbor, MI.
13. Cooper, S.R., K.H. Kline, **H.A. Brady**, C. Shipley, L.P. Frey, and K. Sinello. 1994. Effects of dietary cation-anion balance on blood pH, acid base parameters and serum mineral levels in weanling horses. J. Animal Science 72(suppl. 1):251.
14. Frey, L.P., K.H. Kline, J.H. Foreman, **H.A. Brady**, and S.R. Cooper. 1994. Effects of warming-up racing and sodium bicarbonate in standardbred horses. Proc. IV International Conference on Equine Exercise Physiology. Brisbane, Australia.
15. Behrendt, C.Y. and **H.A. Brady**. 1995. Prostaglandin F_{2 α} concentration in equine embryo-endometrial co-culture. Proc. 14th Equine Nutrition and Physiology Society Symposium. Ontario, CA.
16. **Brady, H.A.** 1995. Gross anatomy component to advanced equine sciences curriculum. Proc. 14th Equine Nutrition and Physiology Society Symposium. Ontario, CA.

17. **Brady, H.A.**, M.D. Wheeler, and C.Y. Behrendt. 1995. Prostaglandin F_{2α} levels in equine endometrial tissue procured during anestrus. *J. Animal Science* 73(suppl.1): 215.
18. Cooper, S.R., K.H. Kline, **H.A. Brady**, C. Shipley, L.P. Frey, and K.A. Sinello. January 1995. Effects of dietary cation-anion balance on blood pH, acid base parameters, serum and urine mineral levels and parathyroid hormone in weanling horses. *Proc. 14th Equine Nutrition and Physiology Society Symposium*. Ontario, CA.
19. Johnson, N.N., **H.A. Brady**, C.S. Whisnant, and P.A. LaCasha. 1997. Effects of oral altrenogest on sexual/aggressive behavior and seminal parameters in young stallions. *Proc. 15th Equine Nutrition and Physiology Society Symposium*, p. 93-94.
20. LaCasha, P.A., **H.A. Brady**, V.G. Allen, C.R. Richardson, and K.R. Pond. 1997. Voluntary intake, digestibility, and preference of Matua prairie grass, coastal bermudagrass, and alfalfa hay by yearling horses. *Proc. 15th Equine Nutrition and Physiology Society Symposium*, p. 9-10.
21. Sixiang, Z., **H.A. Brady**, and W.L. Hurley. 1997. Composition of mammary gland secretions during the peripartum period in mares. *Proc. 15th Equine Nutrition and Physiology Society Symposium*, p. 71- 72.
22. Springer, T.W. and **H.A. Brady**. 1997. Introduction of the science of horse behavior into college level horse breaking and training classes. *Proc. 15th Equine Nutrition and Physiology Society Symposium*, p. 71-72.
23. Ball, K.A., **H.A. Brady**, V.G. Allen, K.R. Pond, L.A. Janecka, and N.D. Heninger. 1999. Matua hay for mares in gestation and lactation. *Proc. 16th Equine Nutrition and Physiology Society Symposium*. p. 9. Raleigh, N.C.
24. **Brady, H.A.** and T.L. Perry. 1999. A transdisciplinary approach to therapeutic riding. *Proc. 16th Equine Nutrition and Physiology Society Symposium*. p. 220. Raleigh, N.C.
25. Heninger, H.L., **H.A. Brady**, S.D. Prien, A.D. Herring, K.A. Ball, and L.A. Janecka. 1999. Effects of altrenogest on hormonal, seminal, and behavioral parameters of two-year-old stallions in training. *Proc. 16th Equine Nutrition and Physiology Society Symposium*. p. 64. Raleigh, N.C.
26. Janecka, L.A., **H.A. Brady**, C.S. Melton, V.H. Lee, R.C. Burghardt, K.R. Pond, A.D. Herring, D.L. Johnson. 1999. Presence of connexin43 in equine ovarian tissues. *Proc. 6th Equine Nutrition and Physiology Society Symposium*. p. 208. Raleigh, N.C.
27. Ball, K.A., **H.A. Brady**, V.G. Allen, K.R. Pond, and M.L. Galyean. July 2000. Effects of Matua hay on gestating and lactating mares. *J. Animal Science* 78(1):311.
28. **Brady, H.A.** 2000. The organization of the Texas College Equine Teaching Consortium. *J. Animal Science* 78(1):148.

29. Ball, K.A., **H.A. Brady**, V.G. Allen, K.R. Pond, and M.L. Galyean. Effects of Matua hay on gestating and lactating mares. All-University Conference on Women. April, 2001.
30. **Brady, H.A.**, Cepica, T., Weaver, C., Kidd, K and D. Alexander. Development of University Therapeutic Riding Center. All-University Conference on Women. April, 2001.
31. Vartorella, H.A., **Brady, H.A.**, Prien, S.D. and Herring, A.D. The effects of an intermittent regiment of altrenogest on behavioral, hormonal, and testicular parameters of three-year-old stallions. All-University Conference on Advancement of Women in Higher Education. April, 2001.
32. Janecka, L.A., **H.A. Brady**, V.H. Lee, R.C. Burghardt, K.R. Pond, A.D. Herring,. Presence of connexin43 in equine ovarian tissues. All-University Conference on Advancement of Women in Higher Education. April, 2001.
33. **Brady, H.A.** Formation of a teaching alliance in the Texas Equine College Teaching Consortium. Proc. 17th Equine Nutrition and Physiology Society Symposium. p. 235 Lexington, KY, 2001.
34. Vartorella, H.A., **Brady, H.A.**, Herring, A.D. and S.D. Prien. The effects of an intermittent regiment of altrenogest on behavioral, hormonal, and testicular parameters of three-year-old stallions. National meeting of ASAS, Indianapolis, IN, July, 2001.
35. Janecka. L.A., **Brady, H.A.**, Lee, V.H., Burghardt, R.C., Pond, K.R. and A.D. Herring. Connexin expression in equine ovarian tissue. Proc. Society for Theriogenology, Vancouver, B.C. Sept, 2001).
36. Breazeale, K., **H.A. Brady**, L.D. Thompson and D.M. Hardy. Biochemical properties of zonadhesin in equine sperm. Proc. International Symposium on Equine Reproduction. Fort Collins, CO July, 2002.
37. **Brady, H.A.**, K.A. Guay, V.G. Allen, L.A. Janecka, B.A. Brock, J.A. Morrow and K.R. Pond. The effects of Ascophyllum nodosum on transport stress in horses. Proc. 18th Equine Nutrition and Physiology Society Symposium, East Lansing, MI , p.218, 2003.
38. **Brady, H.A.**, D.E. Lawver, K.A. Guay, C.L. Akers and N.T. Cepica. Principles of therapeutic riding as a service-based learning course. American Association of Agricultural Educator's Southern Region Meeting, Mobile, AL Feb., 2003.
39. **Brady, H.A.**, D.E. Lawver, K.A. Guay, C.L. Akers and N. T. Cepica. Service-based learning courses: Principles of therapeutic riding as a model. Provost Office Symposium on Service-Based Learning. Texas Tech University, Lubbock, TX , March 28, 2003.
40. **Brady, H.A.**, D.E. Lawver, A.A. Pyle, M.L. Shaw, C.L. Akers and N.T. Cepica. Principles of therapeutic riding as a service-based learning course within an agricultural

curriculum. Proc. North American Colleges and Teachers of Agriculture Conference, p. 59, 2004.

41. Pyle, A.A., **H.A. Brady**, D.E. Lawver, C.L. Akers and N.T. Cepica. Journal-based reflection in undergraduate service learning and the University Therapeutic Riding Center. Proc. North American Colleges and Teachers of Agriculture Conference, p. 32., 2004.
42. **Brady, H.A.**, D.E. Lawver, K.A. Guay and A.A. Pyle. Service-based learning within an Animal Sciences curriculum. Proc. Equine Science Society, Tucson, AZ. p. 280, 2005.
43. Guay, K.A., **H.A. Brady** and K.R. Wilson. Utilization of an equine performance show facility into an equine based curriculum. Proc. Equine Nutrition Society Meeting, Tucson, AZ, May, 2005. P. 335, 2005.
44. **Brady, H.A.**, K. Goodwyn and C. Davis. The benefits of hippotherapy for children with Angelman Syndrome. Research Symposium of the North American Riding for the Handicapped Association Annual Meeting and Conference, Houston, TX, November 9-12, 2005.
45. **Brady, H.A.** and K. Goodwyn. Applications and indications of hippotherapy and Angelman Syndrome. Poster presentation. North American Riding for the Handicapped Association Annual Meeting and Conference, Houston, TX. November 9-12, 2005.
46. Bailey, L.B., **H.A. Brady**, S. Tardif and D.M. Hardy. Zonadhesin expression and localization in stallion testes. Proc 9th International Symposium on Equine Reproduction, Rolduc, The Netherlands, August, 2006
47. **Brady, H.A.**, W.T. Nichols, L.B. Bailey, K.R. Wilson and S.P Jackson. Evaluation of a 6-way rotational regimen on a previously documented fenbendazole-resistant farm. Proc. Equine Science Society Meeting, Hunt Valley, Maryland, pp. 144-145, June 2007.
48. Bailey, L.B., **H.A. Brady**, S. Tardif and D.M. Hardy. Expression and localization of zonadhesin in testicular tissue of different age stallions. Proc. Equine Science Society Meeting, Hunt Valley, Maryland, pp.163-164, June, 2007.
49. **Brady, H.A.** and H. Hernandez. The benefits of hippotherapy and therapeutic riding for clients with Angelman Syndrome and Prader-Willi Syndrome- Review, case study and national survey. American Hippotherapy Association Conference, Atlanta, GA August, 2007.
50. Pyle, A., **H.A. Brady**, J. McGlone, L.T. Thompson and D.E. Lawver. Measurements of stress in therapy horses- Are there warning signs out there? North American Riding for the Handicapped Association Annual Meeting, Anaheim, CA, November, 2007.

51. Pyle, A.A., **H.A. Brady**, J.J. McGlone, L.D. Thompson and D.E. Lawver. Evaluation of stress in horses in hippotherapy programs. Southern Section Meeting of the American Society of Animal Scientists, Dallas, TX February 4-5, 2008.
52. **H.A. Brady**. Engaging students with service learning within an Animal Science curriculum at Texas Tech University- a ten year perspective. Proc Annual Meeting of the American Society of Animal Scientists. Indianapolis, IN. July 7-11, 2008.
53. **Brady, H.A.** and W.T. Nichols. Evaluation of a 6-way fast rotational anthelmintic regimen on a previously documented Fenbendazole-resistant farm in Texas. International Symposium on Equine Parasitology, Copenhagen, Denmark, August 2008.
54. Blaneck, M, **Brady, H.A.**, and W.T. Nichols. Equine anthelmintic resistance and rotational deworming programs. International Symposium on Equine Parasitology, Copenhagen, Denmark, August 2008
55. **Brady, H.A.** Principles of hippotherapy as a service-based learning course within a university curriculum- a ten year perspective. Proc. XIII International Cong. of Therapeutic Riding. Munster, Germany August 12-15, 2009.
56. Garcia, A.L., **Brady, H.A.**, Ballou, M.A., Varner, D.D., Love, C. and G. Blodgett. 2009. Stallion spermatozoal motility parameters – an examination of intra and inter-stallion variability over a breeding season on a commercial Texas Ranch. J. Eq. Vet Science 29(5) 331-332.
57. Guay, K. A., **Brady, H.A.**, Sutherland, M., Pond, K.R., Janecka, L. A. and V.G. Allen. 2009. Effects of a 24 hour transport on stress response in horses. J. Eq. Vet Science 29(5) 424-425.

Invited Webinar Presentations/ Television

1. Strategic Deworming in the Horse-. Invited Webinar for the Horse Magazine sponsored by Intervet, Inc. August, 2008, <http://www.thehorse.com/Videos.aspx?tab=webinar>
2. Strategic Deworming and Equine Wellness. “Live” on RFD TV . One hour short course and live question and answer program. Nashville, TN April 6, 2009

Technical reports:

1. Fregin, G.F. and **H.B. Blue**. 1982. Equine sports medicine: Science in the backstretch. New York Thoroughbred Breeders Magazine, Fall Issue. p. 58-61.

2. **Brady, H.A.** 1991. A laboratory guide for the evaluation of stallion semen. In: Animal Science Department Horse Breeder's School Manual, Texas A&M University.
3. **Brady, H.A.,** R.C. Burghardt, J.W. Evans, T.L. Blanchard, and D.D. Varner. 1992. Studies on maternal recognition of pregnancy in the mare. Proc. Texas Agricultural Extension Services Horse Short Course, p. 89. Texas A&M University.
4. **Brady, H.A.,** R.C. Burghardt, J.W. Evans, T.L. Blanchard, D.D. Varner, J.E. Bruemmer, and W.E. Day. 1993. Early pregnancy and embryo recognition in the mare. Proc. Texas Agricultural Extension Services Horses Short Course. Texas A&M University.
5. **Brady, H.A.** 1994. Embryo/oviductal and embryo/uterine interactions in the mare- Current status of research technology. Featured article – Embryo Transfer Newsletter, Vol. 12(4).
6. **Brady, H.A.** 1996. Cooled equine semen: Techniques and implications. Proc. of Texas Tech Equine Science Short Course. p. 9-16. Lubbock, TX.
7. LaCasha, P.A., **H.A. Brady,** V.G. Allen, C.R. Richardson, and K.R. Pond. 1996. Voluntary intake, digestibility and selection of Matua bromegrass, alfalfa and coastal bermuda hays by horses. CFIRE Annual Research Report. p. 13-16. Texas Tech University.
8. Springer, T.W., and **H.A. Brady.** 1996. The science of round pen reasoning. Department of Animal Science and Food Technology Research Report. p. 43-44. Texas Tech University.
9. **Brady, H.A.** 1997. Breeding soundness in the broodmare. Proc. of Texas Tech Ranch Horse Program Short Course. p. 1-5. Lubbock, TX.
10. **Brady, H.A.** 1997. The use of lights in mare reproduction. Equine Reproduction Short Course, Heritage Sale. p. 1-3. Oklahoma City, OK.
11. **Brady, H.A.** 1999. A Laboratory Guide for the Evaluation of Stallion Semen. In The Texas Horse Owner's Reference Guide. Texas A&M University Extension Service.
12. Johnson, N.N., **H.A. Brady,** C.S. Whisnant, and P.A. LaCasha. 1997. Effects of oral altrenogest on sexual and aggressive behaviors and seminal parameters in young stallions. Department of Animal Science and Food Technology Research Report (Internet). Texas Tech University.
13. **Brady, H.A.** 2000. The use of altrenogest in stallions. Proc. of Purina Mills Performance Horse Short Course Research Meeting. p. 15-17. Ocala, FL.
14. **Brady, H.A.** The effects of *Ascophyllum nodosum* on transport stress in horses. Texas Equine Research Account Advisory Committee Report. January, 2002.

15. **Brady, H.A.**, Guay, K.A., V.G. Allen, L.A. Janecka, B.A. Brock, J.Morrow and K.R. Pond. The effects of *Ascophyllum nodosum* on transport stress in horses. Department of Animal and Food Sciences Research Report, 2002.
16. **Brady, H.A.** and Nichols, W.T. Fast 6-way rotational anthelmintic equine regimen on a documented Fenbendazole-resistant farm. InterConnect Technical Bulletin, Intervet Canada, 2007.

Other publications:

1. **Brady, H.A.** The History of the Texas Tech University Horse Breeding Program. American Quarter Horse Association. Written documentation and archival history for the AQHA Fifty-Year Breeding Year Awards Program and Archives. October, 2002.
2. **Brady, H.A.** Equine-Assisted Therapy courses as effective service-based learning opportunities. Higher Education Voice, North American Riding for the Handicapped Association. Dec., 2005.
3. Burke, C., Tyrell, K., Pictor, S. Turbeville, P., Brady, H.A., and H. Hernandez Collaborating with colleges- the benefits for center and university. 2007. Strides. Vol. 13 (1).

PRESENTATIONS AND LECTURES:

Reproductive Efficiency in the Broodmare. Mare and Foal Care for Your Standardbred. Race Horse America '93 Conference. Woodfield Hilton, Arlington Park, IL. Reproduction program sponsored by the Illinois Standardbred Association. August 22, 1993.

Teaching Horse Production to Youth Groups. American Youth Horse Council Meeting. Oakbrook Marriott. February 20, 1994.

Equine Endometrial-Uterine Interactions. Reproductive Seminar. University of Illinois. September 1994.

Study of Equine Reproduction in Preparation for Horse Bowl. Champaign County 4-H Club. November 6, 1994.

Breeding Farm Management and Technological Advances. Champaign County 4-H. February 5, 1995.

Equine Endometrial-Embryo Physiology and Interactions. Southern Illinois University School of Medicine. Carbondale, IL. March 31, 1995.

Texas Tech Ranch Horse Program Development. "Big Ed Radio Show". Lubbock, TX. February 1996.

Horse Production and Nutrition. Shake Hands With Your Future. Lubbock, TX. June 1996.

Cooled Equine Semen: Techniques and Implications. Texas Tech Equine Short Course. Lubbock, TX. September 1996.

Teaching and Research in the Texas Tech Ranch Horse Program. Presentation to the Dean's Advisory Committee Meeting. December 5, 1996.

Artificial Insemination of the Mare. Shake Hands With Your Future. Lubbock, TX. June 1997.

Breeding Soundness in the Broodmare. Texas Tech Equine Science Short Course. Lubbock, TX. September 1997.

Industry Participation in the Texas Tech Equine Science Short Course. "Big Ed Radio Show". Lubbock, TX. August 1997.

Matua Bromegrass as a Hay for Horses. CFIRE Annual Research Meeting. Lubbock, TX. November 1997.

The Digestibility of Extruded Corn and Oats by Two-year-olds in Early Training. CFIRE Annual Research Meeting. Lubbock, TX. November 1997.

The Use of a Lighting Program in Broodmares. Heritage Sale. Oklahoma City, OK. September 1997.

The Use of Altrenogest in Suppression of Sexual/Aggressive Behavior in Young Stallions. Presentation to the Houston Livestock Show and Rodeo Board. Lubbock, TX. October 1997.

Current Industry Topics in Horse Production. "Big Ed Radio Show". Lubbock, TX. April 1998.

Development of the Texas Tech Ranch Horse Program. Presentation to the Houston Livestock Show and Rodeo Board. Lubbock, TX. October 1998.

Intake of Matua Hay for Mares in Gestation and Lactation. CFIRE Annual Research Meeting. Lubbock, TX. November 1998.

Management of the Breeding Stallion. Shake Hands With Your Future. Lubbock, TX. June 1998.

Development of Texas Equine College Teaching Consortium. Texas Equine Industry Course. College Station, TX. October 1999. (Presented by K.R. Pond, due to illness)

Foundation Breeding Genetics of the Texas Tech Ranch Horse Program. Golden Spur Recipients and Members. Lubbock, TX. September 2000.

Statistics of the Texas Equine College Teaching Consortium. Texas Equine Industry Course. College Station, TX. October 2000.

The Role of the University Therapeutic Riding Center within the College of Agricultural Science and Natural Resources. Presentation at the Science Teachers/Counselors (Sci-Co) Conference. Texas Tech University, November 15, 2000

University Therapeutic Riding Center meeting Children's Needs in Lubbock. Guy Warren Radio Show. December 5, 2000

The Role of the University Therapeutic Riding Center within the College of Agricultural Science and Natural Resources. Presentation at the Science Teachers/Counselors (Sci-Co) Conference. Texas Tech University, February 7, 2001. Rated by participants 4.84 on 5.0 scale

Therapeutic Riding Program. Scott Irlbeck "Focus on Farming". KLBK Television. February 24, 2000.

The Teaching Program of the Texas Tech Ranch Horse Program. Presentation to the Texas Tech University High School Judging Clinic, March, 2001

Teaching and Research Components of the University Therapeutic Riding Center. University Therapeutic Riding Center Advisory Board Meeting, May, 2001

The Benefits of Hippotherapy on Physical, Cognitive and Emotional Domains in Children with Disabilities. Altrusa Meeting, August 2, 2001

Teaching Update and Development of the Natural Sensory Trail Component of the University Therapeutic Riding Center. University Therapeutic Riding Center Advisory Board Meeting, Sept, 2001

University Therapeutic Riding Center within the College of Agricultural Science and Natural Resources. Presentation at the Science Teachers/Counselors (Sci-Co) Conference. Texas Tech University, October, 2001

The Effects of *Ascophyllum nodosum* on Transport Stress in Horses. Texas Equine Research Account Advisory Committee meeting. College Station, TX May 16, 2002.

Natural Sensory Trail within the University Therapeutic Riding Center. University Therapeutic Riding Center Advisory Board Meeting, July, 2002

History of Texas Tech University Horse Breeding Program. Archival Video. American Quarter Horse Association. October, 2002

How to Identify Breeds of Horses. Texas Tech Child Development Research Center. December, 2002.

Service-based Learning Courses: Principles of Therapeutic Riding as a Model. Women's Conference. United Spirit Arena, Lubbock, TX March, 2003

Benefits of Using Hippotherapy and Child-Horse Bonding in the University Therapeutic Riding Center. Lubbock Foundation, Caprock Equestrian Center, April 24, 2003

Principles of Therapeutic Riding (Animal Science 3309) as a Model for Service Based Learning at Texas Tech University. Presented at the Provost's Committee for Service-Based Learning. Texas Tech University, May 15, 2003.

Service Learning: Bridging the Gap Between the Private Sector and Academe. Faculty Panel Roundtable member. Teaching, Learning and Technology Center Faculty Forum, September 24, 2003.

Charitable Efforts of the University Therapeutic Riding Center: Horses that Bring Joy and Healing to Children with Disabilities on the South Plains. The 21st Century Women: Her Financial and Community Opportunities and Challenges. Hosted by Merrill Lynch, Lubbock, TX, January 17, 2004.

Community Opportunities with the University Therapeutic Riding Center. Abernathy Lions Club, August 24, 2004.

Thinking in Action-Purpose and Process of Reflection in Service Learning Courses. 2004 TLTC Faculty Roundtable. Texas Tech University, Presenter. October 13, 2004.

Charitable Efforts and Benefits of the University Therapeutic Riding Center. Post Ranch Reunion, October, 2004.

Health and Sensory Advancements of Children Treated by the University Therapeutic Riding Center. Merrill Lynch's Women's Symposium, Lubbock, TX, February 4, 2005.

Health and Sensory Advancements of Children Treated by the University Therapeutic Riding Center. Merrill Lynch's Women's Symposium, Lubbock, TX, February 4, 2005.

The Role of Higher Education in Partnering with Equine Assisted Therapy Center. Higher Education Forum Roundtable. North American Riding for the Handicapped Association Annual Meeting and Conference, Houston, TX, November 9-12, 2005.

Equine Educational Presentation. Idalou High School FFA Agricultural Day, October 19, 2006.

The Importance of Science in Your Future Careers. Presentation to Idalou Elementary School, October 23, 2006.

Higher Education and Equine Assisted Therapy- Strategies for success. Higher Education Forum Roundtable. North American Riding for the Handicapped Association Annual Meeting and Conference, Indianapolis, IN. November 7-10, 2006.

Texas Tech University Ranch Horse Program. Ag Talk Radio Show with Eddie Griffiths. January 11, 2007.

The Advances of the Texas Tech Therapeutic Riding Program. Presentation to the San Antonio Livestock Show and Rodeo Meeting, February 6, 2007.

Horse Reproduction . Idalou High School FFA Agricultural Day. October 5, 2007.

Texas Tech Therapeutic Riding Center – A Community of Caring. South Plains Lions Club, October 25, 2007.

Principles of Hippotherapy as a Service Based Course. Presentation to the Deans of Texas Tech University, University, Teaching Learning and Technology Center, November 5th, 2007.

Teaching Curriculum within the Texas Tech Therapeutic Riding Center. Presentation to the CASNR Advisory Council, Texas Tech Equestrian Center November 8, 2007.

Hippotherapy as a Treatment Tool in the Allied Health Fields. Texas Tech Health Sciences Center School of Nursing. November 12, 2007.

Program Overview of Texas Tech Therapeutic Riding Center as a Partner to Service Learning. Presentation for the Texas Tech Service Learning Fellow and Mentors Program, November 19, 2007.

Engagement of Students by Service Learning at Texas Tech- A Ten Year Perspective. Advancement of Teaching and Learning Conference, Teaching. Learning and Technology Center, Texas Tech University, Feb 21, 2008.

Service Learning through Principles of Hippotherapy- An Approved Elective within the Nursing Curriculum. Texas Tech Health Sciences Center School of Nursing. November 11, 2008.

Parasite Resistance in Horses- an Emerging Health Problem. Eddie Griffith Ag Talk Radio. January 6, 2009.

Research and the Scholarship of Teaching and Learning within Service-based Learning - a Ten Year Perspective. Texas Tech Service-Learning Faculty Fellows and Mentors Program, Texas Tech University, January 10, 2009.

GRADUATE STUDENT COMMITTEES:

COMPLETED

Chaired:

Ph.D.

1. Kimberley Guay. Completed in 2001. Matua as a Hay for Horses in Gestation and Lactation

M.S.

1. Christa Behrendt. Completed in 1996. Prostaglandin, Progesterone and Estrogen Levels Present in Co-culture of Equine Embryos and Endometrium at Days 9-12 of Pregnancy.
2. Nikole Johnson. Completed in 1997. Effects of Altrenogest on Sexual/Aggressive Behavior, Hormonal Profiles and Testicular Parameters in Young Stallions.

3. Patricia LaCasha. Completed in 1997. Voluntary Intake Digestibility and Selection of Matua Bromegrass, Coastal Bermudagrass, and Alfalfa Hay by Yearling Horses.
4. Noah Heninger. Completed in 1999. Effects of Altrenogest on Hormonal, Seminal, and Behavioral Parameters of Two-year-old Stallions in Training.
5. Heather Vartorella. Completed in 2001. The Behavioral and Fertility Effects of Repeated Short-term Doses of Altrenogest in Young Stallions.
6. Meghan Blanek. Completed in 2005. Investigation of the Efficacy of Three Fenbendazole Deworming Regimens in Horses
7. Alycia Pyle. Completed in 2006. Stress Physiology and Behavior of Therapeutic Riding Horses.
8. Alexis Garcia. Completed in 2009. Stallion Spermatozoal Motility and Fertility Parameters: An Examination of stallion variability and pregnancy rates over a breeding season on a working Texas Ranch.

M.S. Non-Thesis/M AG.

1. Sean Childers. Completed in 2000. Artificial Insemination in the Mare.
2. VanBuskirk, Jennifer. Completed in 2001. Studies in Therapeutic Riding
3. Lauren Lovelace. Completed in 2004. Equine Marketing.
4. Laura Blair Bailey. Completed in 2007. Zonadhesin in Testicular Sections in Stallions.
5. Holly Hagaman. Completed in 2007. Interdisciplinary Studies on the Equine Industry and Marketing at the 6666 Ranch.
6. Heather Sloss. Completed in 2007. Equine Reproduction at the 6666 Ranch.
7. Crystal Clayton. Completed in 2009. Interdisciplinary Agricultural Studies.

Co-Chaired:

M.S.

1. Dawn Sherwood. Completed in 1998. Extruded Grain Supplement Used in equine Diets Formulated for Growing Horses.
2. Kelly Breazeale. Completed in 2002. The Role of Zonadhesin in Stallion Spermatozoa.
3. Beth Eager. Completed in 2005. The Role of Zonadhesin in Fertile and Subfertile Stallions.

Committee member of:

M.S.

Completed:

1. Steven Cooper. 1993. Effects of Dietary Cation-Anion Balance and pH, Electrolytes, and Lactate in Standardbred Horses.
2. Christine Hanson Completed in 1993. Studies on Circulatory Parameters in Horses of Different Morphological Types. Committee member
3. Leonard Fry Completed in 1994 Effects of Pre-race Exercise, Furosimide, Ambient Temperature, Racing and Sodium Bicarbonate on Blood Bicarbonate, pH, and Electrolytes in Standardbred Horses.
4. Geraldine Meyers-Brown. Completed in 1995. The Effects of Active Versus Passive Immunization of Mares Upon Superovulation and Embryo Quality and Recovery Rates.
5. Dustie Johnson. Completed in 2003. Improving Semen Parameters Through Modification of Semen Collection/Extension.
6. Dehn Clayton. Completed in 2003. Commercial Application of a Unique Freezing Technology for Equine Semen.
7. Christine Barron. Completed in 2007. Effects of Magnetic Fields on Sperm Parameters.

M.S. Non-Thesis/M.A.G.

1. Will Golden. Completed in 2009.

M.L.A.

1. Blaze May. Completed in 2007. Developing Natural Barriers for Horses in Pastures.

Ph.D

1. Clay Elliott. Completed in 2005. Evaluation of Estrus Synchronization and Non-Surgical Artificial Insemination of Sheep.
2. Mathew McMillan. Completed in 2004. Effects of Grass Clippings in Growth and Performance in Sheep.

IN PROGRESS

Chair

Ph.D. Wendee Langdon. Chromatin Assay Test as a Marker for Fertility in Semen of Livestock.

M.S.

1. Tangel Arant. Anticipated completion date 2010. The Benefits of Therapeutic Riding on Social skills in riders with Autism.

2. Arlene Garcia. Anticipated completion date 2010. Parasite Resistance to Anthelmintic in Horses in Texas.

M.S. Non-Thesis/M AG.

1. Dale Manley. Anticipated completion date 2010. Equine Industry and Business.
2. Dana Henderson. Anticipated completion date 2010. Equine Assisted Therapy and Marketing.
3. Adam Woodard. Anticipated completion date 2010. Equine Reproduction.
4. Danica Jorgenson. Anticipated completion date 2011. Equine Industry
5. Levi Williamson. Anticipated completion date 2011. Equine Industry

Committee member

M.S.

1. Jennifer Linman. Bull Spermatozoal Parameters.

Undergraduate Research Training

1. Eudy, Bethany. 2006-2007. Anthelmintic Regimens in Horses. Senior Honors Thesis. Texas Tech University. Advisor.
2. Odle, Kayla. 2008. Senior Honors Fellows Thesis. Texas Tech University. Advisor. Autism and Therapeutic Riding.

UNDERGRADUATE ADVISING:

Responsibilities include undergraduate advising within the Department of Animal and Food Sciences 2002-present

Responsible for maintenance of audits for the undergraduate Equine Science Certificate Program

TEACHING RESPONSIBILITIES:

ANSC 3303 Introductory Horse Management – 1995-2005

ANSC 4402 Horse Production –1996-present

ANSC 3309 Principles of Hippotherapy. 1998- present

ANSC 4000 Internship 1995-present

ANSC 4001 Special Problems. 1995-present

ANSC 4305 Advanced Therapeutic Riding. 2009

ANSC 1401 Introductory Animal Science Horse Labs and/or Horse Lectures. 1995- present.

Graduate Courses

ANSC 5001 Special Problems

ANSC 5001 Special Problems, Ultrasonography of the Mare –1998- 2004

ANSC 5001 Special Problems, Graduate Studies in Therapeutic Riding- 2000-present

ANSC 5000 Graduate Internship.

ANSC 5404 Advanced Reproduction 2005, 2007, 2009.

ANSC 5100 Graduate Seminar 2008

Other Teaching Responsibilities

Serve as Founder and Director of the Texas Tech Therapeutic Riding Program, providing therapeutic riding and hippotherapy to over 100 children and adults with disabilities per year. This center has achieved the highest accreditation possible within the North American Riding for the Handicapped Association (NARHA). The TTRC combines a strong academic component with a solid record of service to those with disabilities. The majority of our riders have scholarships and funding raised through our grants and donations. My responsibilities include administrative, budget management, accreditation, fund raising and grant writing, overseeing horse care and ACUC compliance, and teaching duties.

Train applicants for North American Riding for the Handicapped Certification- Registered Instructor through our courses and workshops.

Serve as faculty manager of the Horse Center at New Deal for the production of teaching and research horses for Ranch Horse Program. My responsibilities include administrative, budget management, accreditation, ACUC compliance.

GRANTS AND AWARDS:

Funded:

1992

1. R.C. Burghardt, PI; T.L. Blanchard, D.D. Varner, J.W. Evans, and **H.A. Brady**. Model System for Studies of Maternal Recognition of Pregnancy in the Mare. Institute for Equine Science and Technology, Texas A&M University. \$19,500

1993

1. H.A. Brady, PI. Equine Uterine-Embryonic Interactions in Maternal Recognition of Pregnancy. University of Illinois at Urbana-Champaign. Campus Research Board. \$22,850 (\$22,850).
2. H.A. Brady, PI. Equine Uterine/Embryonic Interactions during Maternal Recognition of Pregnancy. Illinois Agricultural Experiment Station Hatch. \$45,000 (\$45,000).

1995

1. **H.A. Brady, PI;** C.S. Whisnant. Effect of Altrenogest on Hormone Profiles, Sexual/Aggressive Behavior and Sperm Production in Three Year Old Colts. Houston Livestock Show and Rodeo Association. \$3,500 (\$2,000).
2. **H.A Brady, PI.** Embryo Research in Mares. Houston Livestock Show and Rodeo Association. \$3,000 (\$3,000).
3. **H.A. Brady, PI.** Intake, Digestibility and Selection of Matua Hay as Forage for Growing Horses. Center for Feed Industry Research and Education. \$5,000 (\$5,000).

1996

1. **H.A. Brady, PI;** C.S. Whisnant. Effects of Oral Altrenogest on Hormone Profiles, Sexual/Aggressive Behavior and Sperm Production in Young Colts in Training. Houston Livestock Show and Rodeo Association. \$8,200 (\$4,100).
2. **H.A. Brady, PI.** The Digestibility of Extruded Corn and Oats by Growing Horses. Center for Food Industry Research and Education. \$5,000 (\$5,000).

1997

1. **H.A. Brady,** R.A. Albin, C.R. Richardson, V.G. Allen and K.R. Pond. Extruding Temperatures for Horse Feed. Texas Tech University College of Agricultural Sciences and Natural Resources. \$4,145 (\$4,145).
2. **H.A. Brady, PI;** C.S. Whisnant. Effects of Oral Altrenogest on Hormone Profiles, Sexual/Aggressive Behavior and Sperm Production in Three-year-old Colts in Training. Houston Livestock Show and Rodeo. \$8,000 (\$8,000).
3. **H.A. Brady,** Training Grant Member. Regulation of Reproductive Processes. NIH Reproductive Physiology Training Grant. \$79,451 (\$79,451).

1998

1. **H.A. Brady,** PI. Matua as a Hay for Mares in Lactation and Gestation. Center for Feed i. Industry and Research and Education. \$5,000 (\$5,000).
2. **H.A. Brady,** PI. Growth of Weanling Foals Fed the Purina Mills Concentrate Strategy. Purina Mills, Inc. \$420 (\$420).
3. D. Stocco, PI; **H.A. Brady,** Training Grant Member. Regulation of Reproductive Processes. NIH Reproductive Physiology Training Grant. \$79,451 (\$79,451).
4. **H.A. Brady,** PI. The Behavior and Fertility Effects of Repeated Short-term Doses of Altrenogest in Young Stallions in Training. Houston Livestock Show and Rodeo Association. \$4,500 (\$4,500).

1999

1. H.M. Weitlauf and K.B. Porter, **H.A. Brady,** Center for Excellence Member. TTUSHC Center of Excellence in the Reproductive Studies. Texas Tech University Health Sciences Center. \$125,000 (\$125,000).
2. D. Stocco, **H.A. Brady,** Training Grant Member. Regulation of Reproductive Processes. NIH Reproductive Physiology Training Grant. \$517,822 (\$517,822).

3. H.A. Brady, PI. Analysis of Colostrum in Pre-partum and Post-partum Mares Fed Matua Hay. Center for Feed Industry Research and Education. \$5,000 (\$5,000).
4. H.A. Brady, PI. The Effects of Fenbendazole on Foal Heat Scours in Neonatal Foals. Houston Livestock Show and Rodeo Association. \$6,500 (\$6,500).

2000

1. H.A. Brady, PI; V.G. Allen, J. Morrow-Tesch, K.R. Pond, D.U. Thompson and B. Brock. Effects of Ascopylum nodosum on Transport Stress in Horses. Texas Equine Research Account Advisory Committee. \$24,593 (\$24,593).
2. H.A. Brady, PI. The Effects of Fenbendazole on Foal Heat Scours in Neonatal Foals. Intervet. \$4,500 (\$4,500).

2001

1. H.A. Brady, PI; .G. Allen, J. Morrow-Tesch, K.R. Pond, D.U. Thompson and B. Brock. Effects of Ascopylum nodosum on Transport Stress in Horses. Texas Equine Research Account Advisory Committee. \$22,949 (\$22,949).

2002

1. **H.A. Brady**, PI; V.G. Allen, J. Morrow-Tesch, K.R. Pond, D.U. Thomson, and B. Brock – Co Investigators. Effects of Ascopylum nodosum on Transport Stress in Horses. Texas Equine Research Account Advisory Committee. \$22,949 (\$18,000).

2003

1. D. Stocco, PI; **H.A. Brady**, Training Grant Member. Regulation of Reproductive Processes. NIH Reproductive Physiology Training Grant. \$517,882
2. **H.A. Brady**, PI; Equine Research Equipment Grant – CEROS Computerized Sperm Motility Analyzer. Texas Equine Research Account Advisory Committee. \$23,677 (\$23,677).
3. **H.A. Brady**, PI. Investigation of the Efficacy of Three Fenbendazole Deworming Regimens in Horses. InterVet, Inc. \$15,000 (\$15,000).
4. **H.A. Brady**. Short and Long–Term Educational Benefits of University Therapeutic Riding Center. Junior League of Lubbock. \$38,700. (\$38,700).
5. **H.A. Brady**. Tree Planting Program for the Natural Environment Sensory Trail for Therapeutic Riding Center. Chapman Forestry Foundation. \$ 5,000 (\$ 5,000).
6. **H.A. Brady**. Support for University Therapeutic Riding Assistantship. San Antonio Livestock Show and Exposition. \$30,000 (\$30,000).
7. **H.A. Brady** and N.T. Cepica. Support for Program Development of the University Riding Program. \$3,000 (\$3,000)

2004

1. **H.A. Brady, PI.** A Twelve Month Study of Equine Parasite Control on a Known FBZ-resistant Farm Using a 4-way Rotational Scheme. Intervet, Inc. \$10,500 (\$10,500).
2. **H.A. Brady.** The Unique benefits of the University Therapeutic Riding Center – A challenge in meeting the needs of a Medicaid-Based Client Base. \$4,500 (\$4,500).

2005

1. **H.A. Brady, PI.** Equine Research Equipment Grant for the Purchase Of the Morphology Component for the CEROS Computerized Sperm Motility Analyzer. Texas Equine Research Account Advisory Committee. \$7,300 (\$7,300).
2. **H.A. Brady, PI.** Equine Anthelmintic Rotational Regimen on a Known FBZ-resistant Farm. Intervet, Inc. \$18,500 (\$18,500).
3. **H.A. Brady.** Support for University Therapeutic Riding Assistantship. San Antonio Livestock Exposition. \$30,000 (\$30,000).
4. **H.A. Brady.** University Therapeutic Riding Center. Lubbock Area Foundation. \$4,500 (\$4,500).
5. **H.A. Brady.** Riderships for the University Therapeutic Riding Center. University Medical Center Foundation. \$29,965 (\$29,965).

2006

1. **H.A. Brady.** Support for University Therapeutic Riding. San Antonio Livestock Exposition. \$30,000 (\$30,000).
2. **H.A. Brady.** Support for Riderships and Program Development For University Therapeutic Riding Center. Private Foundation. \$300,000 (\$300,000)

2007

1. **H.A. Brady.** Support for Riderships and Program Support. San Antonio Livestock Exposition. \$90,000 (\$90,000).
2. **H.A. Brady.** Support for Ridership and Program Support. Chevron. \$5,000 (\$5,000).

2008

1. C.C. Love, PI. D.D. Varner and **H.A. Brady**, Co-Investigators. Relationship of Semen Laboratory Measurements and Fertility of Stallions Subjected to Artificial Insemination. Texas Equine Research Account Advisory Committee. \$34,020 (\$12,697).
2. **H.A. Brady.** Support of the Three Initiatives of the Texas Tech Therapeutic Riding Center. The CH Foundation. \$47,100 (\$47,100).
3. **H.A. Brady.** Riderships and Program Support for the Texas Tech Therapeutic Riding Center. San Antonio Livestock Exposition. \$93,830 (\$93,820).

4. **H.A. Brady.** Assessment of Equine Parasite Resistance Levels on a Large Commercial Ranch in Throckmorton Texas. Intervet- Schering Plough. \$10,600 (\$10,600)

2009

1. The James A. “Buddy” Davidson Charitable Foundation. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. \$30,600.

Cash and Gifts-in-Kind

Funded: \$230,477

SERVICE TO PROFESSIONAL ORGANIZATIONS:

National:

NARHA (North American Riding for the Handicapped Association) Higher Education Subcommittee, 2004-2007

Equine Sciences Society Graduate Research Committee, 2005-2009

NARHA Educational Materials Committee, 2006

Equine Sciences Society Graduate Competition Committee – Reproductive Physiology, 2006-present
Chair, Educational Publications Task Force, NARHA, 2008-present

State:

Stock Horse of Texas (SHOT) Advisory Board, 2002

State of Texas Horse Advisory Board. Texas Dept. of Agriculture, Susan Combs Texas Agricultural Commissioner, 2002-2006

Texas Equine Research Account Advisory Committee (State of Texas Racing), 2002-Present

OTHER PROFESSIONAL SERVICE:

Editorial Services

Reviewer, Equine Veterinary Journal

Ad hoc reviewer, Biology of Reproduction

Ad hoc reviewer, Journal of Animal Science

CONSULTING ACTIVITIES:

Intervet, Inc. Consulting for Equine Parasitology and Equine Management.

SERVICE TO:

UNIVERSITY:

Texas Tech Child Development Center Parents Advisory Committee 2002
Provost's Ad Hoc Advisory Committee. Selection of Autism Professorship in Education for the
Burkhart Center 2007-2008
Service Learning Faculty Mentor
Texas Tech University Service Learning Advisory Council Representative for CASNR. 2007-2008

COLLEGE:

Education Enhancement Committee, CASNR 2005-2006.

DEPARTMENT:

Texas Tech Ranch Horse Advisory Committee, Chair 2002-present
Livestock and Meat Operations Committee 2002-2006
Animal Physiology Faculty Selection Committee 2002
Texas Tech Therapeutic Riding Center, Board Member and Executive Board Member 2002-present
Faculty Advisor – Texas Tech Therapeutic Riding Club 2002-present
Assistant to the Superintendent – FFA Horse Judging Area and State Contest 2002-present
Texas Tech Therapeutic Riding Center Grants and Fundraising Committee 2002-present
Peer Review Teaching – Department of Animal and Food Sciences 2004-2006 and 2008
Curriculum Committee Department of Animal and Food Sciences 2005--present.
Internship Committee – Department of Animal and Food Sciences 2005-2006 and 2007
Development Committee- Department of Animal and Food Sciences 2009.

COMMUNITY:

Board Member, Idalou Little Dribblers Basketball
St. Elizabeth Catholic Church, Member
Idalou Athletic Booster Club
Idalou Parent Teacher Organization
Idalou FFA Parent Supporter Group
Idalou Little League
Idalou Bears Booster Club

INDUSTRY:

Development of Equine Parasite Resistance Audit for farms and ranches for strategic parasite control

Developing Equine Diagnostic Lab at Texas Tech University 2009

