VITA

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**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

2002-2011 Associate Professor, Department of Animal and Food Sciences, Texas Tech University

 Graduate Faculty Member, Texas Tech University

2011-pres. Full Professor, Department of Animal and Food Sciences, 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, Professional Association of Therapeutic Riding, Intl. (PATH Intl). 2004 to present.

**INTERNATIONAL EXPERIENCE:**

1991 Presentation in Calgary, Canada. XII Equine Nutrition and Physiology Society.

1994 Presentation in Caxambu, Brazil. XI International Society of Equine Reproduction.

2007 Presentation in Rolduc, The Netherlands. IX 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.

2012 Presentation in Athens Greece. Principles of hippotherapy as a service-based learning course within a university curriculum- a ten year perspective XIV Congress of Therapeutic Horse Riding, Federation of Riding for the Disabled International (FRDI).

2018 Presentation in Dublin Ireland. XVI International Congress of Equine Facilitated Programs, **Federation of Horses in Education and Therapy International** (HETI)

2021 Presentation in Prague, Czech Republic. European Conference on Hippotherapy, *Brno-Czech Republic* September 10-11, 2021

2022 Presentation in Seville, Spain, III International Congress International Alliance for Healthy Interactions with Horses, AINISE, November 26-27, 2022.

**MEMBERSHIP IN PROFESSIONAL AND HONORARY SOCIETIES:**

Professional:

1. American Society of Animal Science, 1992 - present

2. American Quarter Horse Association, 1992 - present

3. American Registry of Professional Animal Scientists, 1992 - present

4. Stock Horse of Texas (SHOT), Advisory Board, 1999-2003

5. Professional Association of Therapeutic Horsemanship, Intl., 2004 - present

6. American Hippotherapy Association, 2004

8. Equine Science Society, 1990 – present

9. Editorial Board Member, Professional Animal Scientist 2015-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, 1994

 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), 2005

 8. President’s Higher Education Community Service Honor Roll- Faculty Contributor, 2007-2009

 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. Texas Tech Service-Based Learning Mentoring Fellow, 2007-2009

 12. Nominee for Texas Tech University for the Thomas Ehrlich Faculty Award for Service-

 Learning. Campus Compact, Texas Tech University, 2007.

13. Creative IS 1100 Teaching Award Recipient (Brady, Alvarado and Thompson), Texas

Tech University, 2008

14. Appointed to Chair the Educational Publications Task Force, North American Riding for the Handicapped Association, 2008-2011.

15. Appointed to Programs and Standards Committee, North American Riding for the Handicapped Association, 2009-2012.

16. Appointed to Education Oversight Committee, North American Riding for the Handicapped Association, 2009-2011.

17. Nominee for the College of Agricultural Sciences and Natural Resources for the Spencer Wells Award for Creativity on Teaching Award, Texas Tech University, 2009, 2010, 2011, 2012, 2015.

18. Appointed to Therapeutic Horsemanship Summit Coalition Education Task Force. July, 2011-12.

19. Non-land-grant Agricultural and Renewable Resources Universities (NARRU) Distinguished Teaching Award, September, 2018.

20. Founder Award, Texas Tech Therapeutic Riding and Therapy Center in recognition of twenty years of service November 2018.

21. Faculty of the Spring Semester Award, Agriculture Council, CASNR, Texas Tech University, April, 2019.

22. Certificate of Global Scholarship for the 21st Century, Texas Tech University Office of International Affairs in recognition of exemplary study abroad leadership (April 4, 2019).

23. Department of Animal and Food Sciences Nominee for CASNR Faculty Teaching Award, Texas Tech University, 2019.

24. President's Excellence in Teaching Award, Texas Tech University. 2021.

25. Research Spotlight on Texas Tech Women's Faculty Initiative Honoree, Office of Research and Innovation, University. February 25, 2020.

26. Apple Polishing Award, Texas Tech Mortar Board, National Honors Senior Society. November 12, 2023

**AREA OF EXPERTISE:**  Equine-Assisted Therapy, Equine Management, Art of the American West

**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 2**

1. M. N. Dewkett**, Brady, H.A.** and H.M. Hernandez. (2015) *The Comprehensive Guide to Equine Assisted Activities and Therapies,* Indianapolis, IN: Amazon Publishing.

The above book was developed and written because there was not a peer-reviewed textbook in the emerging field of equine-assisted therapy. This textbook is being used in universities across the U.S. and has been listed as a training textbook for both Registered and Advanced certification by the Professional Association of Therapeutic Horsemanship, Intl.

1. **Brady, H.A**. and White, S. (2018) Horses *in the American West: Portrayals by Twenty-Four Artists*. College Station, TX: Texas A&M University Press.

In traditional art history books, Western art is mentioned only briefly in relation to historical artists Frederic Remington and Charles Russell. This book covers the art of award-winning contemporary artists of the Western art genre. The book addresses the motivation and inspiration of the artists in their own words as they portray the horses of the West.

1. **Brady, H.A**. and S.White, *They Capture the West- Artists of the Horse in America’s West.*

Texas Tech Press. In press.

This book is in layout and editing highlighting the life and work of 20 additional award-winning artists of the American West. This book will also be used in ANSC 2310, Horses in World Art and will be a beautiful book for horse lovers and followers of the Western traditions.

 **Book Chapters: total of 2**

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. (2010). pp.264-279.

**Brady, H.A**. Artificial Insemination of the Mare. Horse Industry Handbook. American Youth Horse Council, Inc. (2014) HIH 950-1-4.

 **Peer Reviewed Manuscripts:**

 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. Sci. 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. Sci. 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. J. Equine Vet. 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-17β 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. 2002. Biochemical properties and localization of zonadhesin in equine spermatozoa. 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. Equine Vet. Sci. 24 (2):72-75.

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**., W.T. Nichols, M. Blanek, 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. Equine Vet. Sci. 29 (5):285-295.

25. Tardif, S., **H.A.** **Brady,** K.R**.** Breazeale, M. Bi, L.D. Thompson, J.E. Bruemmer, L.B. Bailey, and D.M. Hardy. 2010. Zonadhesin D3-Polypeptides Vary among Species but are Similar in Equus Species Capable of Interbreeding. Biol. Reprod. 82:413-421.

26. Garcia, A., **H.A. Brady,** W.T. Nichols, and S. Prien. 2013**.** Cyathostomin resistance to fenbendazole in Texas horse facilities. J. Equine Veterinary Science. 33 (4) 223-228.

28. Langdon, W.C., C.C. Love, S.R. Teague, **H. A. Brady**, L.L. Penrose, and S.D. Prien. 2015. Effects of ambient heat stress on equine sperm chromatin by evaluating two different techniques. J. Equine Veterinary Science 35(11-12):960-965.

29. **Brady, H.A**., James, C. R, Dendy, D.W., Swiacki, C.A., Irwin, T.A., Thompson, L.D., Camp. T.M. Yang, H.S., and K.J. Cooper. 2018. Gait and gross motor improvements in a two-year-old child with arthrogryposis after hippotherapy intervention using a Norwegian Fjord. J. of Equine Veterinary Science 67:15-18.

30. Webb, G.D. **Brady, H.A**., O’Hara, C. and S. Sacra. 2018. Survey on parasite control in the Midwest and Southwest United States. J. of Extension. 58(4), v58-4rb11. https://joe.org/joe/2020august/rb11.php

31. **Brady, H.A**., James, C. R, Dendy, D.W., Irwin, T.A., Thompson, L.D., Camp. T.M. 2021. *Functional Motor Skills and Gait Parameters of Two and Three-Year-Old Children with Developmental Delay Participating in Hippotherapy* J. of Equine Veterinary Science. 99 103399 2-6.

 **Proceedings papers:**

 **Refereed**

 **Volunteered 2**

 1. Blanek, M., **H.A.** **Brady,** W.T. Nichols, S.P. Jackson, K.R.Pond, D.D. Wester, and K.R. Wilson. 2005. Investigation of deworming regimens and anthelmintic resistance in horses. Graduate Competition paper and presentation. Proc. Equine Science Society Meeting, Tucson, AZ. pp. 71-75.

 2. Eager, F.E., **H.A. Brady,** L.D.Thompson, J.E. Bruemmer, and D.M. 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 4**

1. **Brady, H.A.** 1997. The use of lights in mare reproduction. Equine Reproduction Short Course, Heritage Sale. pp. 1-3. Oklahoma City, OK.
2. **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.

3. **Brady, H.A.** and W. T. Nichols. 2009. Parasite Resistance in Horses-An Emerging Global Problem. Equine Sciences Invited Speaker on Equine Production. 21st Equine Science Society Meeting, Breckenridge, CO.

4. **Brady, H.A.,** S. Tardif, and D.M. Hardy. 2009. Review of the Sperm Protein Zonadhesin within Equus. Proc. R.M. Kenney Symposium, Longwood Gardens, PA.

**Refereed Abstracts:**

**Volunteered: 71**

 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. Intercellular communication in mare endometrial epithelium isolated during estrus and diestrus. Proc. 12th Equine Nutrition and Physiology Society Symposium, p. 173- 174, Calgary, Canada, June, 1991.

 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. Anim. Sci. 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. Soc. 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. Anim. Sci. 70(suppl.1):263.

6. **Brady, H.A.**, R.C. Burghardt, T.L. Blanchard, D.D. Varner, and J.W. Evans. 1992. Development of a model system for maternal recognition of pregnancy of pregnancy in the mare. Proc. Soc. 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. Anim. Sci. 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, pp. 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, College Station, TX.

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 VI International Symposium on Equine Reproduction, pp. 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. Anim. Sci. 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 F2α 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 F2α levels in equine endometrial tissue procured during anestrus. J. Anim. Sci. 73(suppl.1): 215.

 18. Cooper, S.R., K.H. Kline, **H.A. Brady**, C. Shipley, L.P. Frey, and K.A. Sinello. 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, pp. 93-94, Fort Worth, TX.

 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, pp. 9-10, Fort Worth, TX.

 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, pp. 71-72, Fort Worth, TX.

 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, Fort Worth, TX.

 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, NC.

 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, NC.

 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, NC.

 26. Janecka, L.A., **H.A. Brady**, C.S. Melton, V.H. Lee, R.C. Burghardt, K.R. Pond, A.D. Herring, and D.L. Johnson. 1999. Presence of connexin43 in equine ovarian tissues. Proc. 16th Equine Nutrition and Physiology Society Symposium, p. 208, Raleigh, NC.

 27. Ball, K.A., **H.A. Brady**, V.G. Allen, K.R. Pond, and M.L. Galyean. 2000. Effects of Matua hay on gestating and lactating mares. J. Anim. Sci. 78(1):311.

 28. **Brady, H.A.** 2000. The organization of the Texas College Equine Teaching Consortium. J. Anim. Sci. 78(1):148.

 29. Ball, K.A., **H.A. Brady**, V.G. Allen, K.R. Pond, and M.L. Galyean. 2001. Effects of Matua hay on gestating and lactating mares. 2001. All-University Conference on Women in Higher Education, Texas Tech University, Lubbock, TX.

30. **Brady, H.A**., T. Cepica, C. Weaver, K. Kidd, and D. Alexander. 2001. Development of University Therapeutic Riding Center. All-University Conference on Advancement of Women in Higher Education, Texas Tech University, Lubbock, TX.

 31. Vartorella, H.A.**, H.A. Brady,** S.D. Prien, and A.D Herring. 2001. 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. Texas Tech University, Lubbock, TX.

 32. Janecka, L.A., **H.A. Brady**, V.H. Lee, R.C. Burghardt, K.R. Pond, and A.D. Herring. 2001. Presence of connexin43 in equine ovarian tissues. All-University Conference on Advancement of Women in Higher Education, Texas Tech University, Lubbock, TX.

 33**. Brady, H.A.** 2001. Formation of a teaching alliance in the Texas Equine College Teaching Consortium. Proc. 17th Equine Nutrition and Physiology Society Symposium, p. 235, Lexington, KY.

 34. 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. Proc. National Meeting of Am. Soc. Anim. Sci, Indianapolis, IN.

35. Janecka. L.A., **H.A**.**Brady,** V.H. Lee, R.C. Burghardt, K.R. Pond, and A.D. Herring. 2001. Connexin expression in equine ovarian tissue. Proc. Society for Theriogenology, Vancouver, B.C., Canada.

36. Breazeale, K., **H.A.** **Brady,** L.D. Thompson, and D.M. Hardy. Biochemical properties of zonadhesin in equine sperm. 2002. Proc. VIII International Symposium on Equine Reproduction, Fort Collins, CO.

37**. Brady, H.A**., K.A. Guay, V.G. Allen, L.A. Janecka, B.A. Brock, J.A. Morrow, and K.R. Pond. 2003. The effects of *Ascophyllum nodosum* on transport stress in horses. Proc. 18th Equine Nutrition and Physiology Society Symposium, p.218, East Lansing, MI.

38. **Brady, H.A**., D.E. Lawver, K.A. Guay, C.L. Akers,and N.T. Cepica.2003. Principles of therapeutic riding as a service-based learning course. American Association of

 Agricultural Educator's Southern Region Meeting, Mobile, AL.

39**. Brady, H.A**., D.E. Lawver, A.A, Pyle, M.L. Shaw, C.L. Akers, and N.T. Cepica.2004. 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, Raleigh, NC.

40. Pyle, A.A., **H.A.** **Brady**, D.E. Lawver, C.L. Akers, and N.T. Cepica.2004. Journal-based reflection in undergraduate service learning and the University Therapeutic Riding Center. Proc. North American Colleges and Teachers of Agriculture Conference, p. 32, Raleigh, NC.

 41. **Brady, H.A**., D.E Lawver, K.A. Guay, and A.A. Pyle. 2005. Service-based learning

 within an Animal Sciences curriculum. Proc. 19th Equine Science Society, p.280, Tucson, AZ.

 42. Guay, K.A., **H.A.** **Brady,** and K.R. Wilson. 2005. Utilization of an equine performance show facility into an equine based curriculum. Proc. 19th Equine Nutrition Society Meeting, p. 335, Tucson, AZ.

43. **Brady, H.A**., K. Goodwyn, and C. Davis. 2005. 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.

 44**. Brady, H.A**. and K. Goodwyn. Applications and indications of hippotherapy and

Angelman Syndrome. 2005. North American Riding for the Handicapped Association Annual Meeting and Conference, Houston, TX.

 45. Bailey, L.B., H.A. **Brady,** S. Tardif, and D.M. Hardy. 2006. Zonadhesin expression and localization in stallion testes. Proc 9th International Symposium on Equine Reproduction, Rolduc, The Netherlands.

 46. **Brady, H.A**., W.T. Nichols, L.B. Bailey, K.R. Wilson, and S.P Jackson. 2007. Evaluation of a 6-way rotational regimen on a previously documented fenbendazole-resistant farm. Proc. 20th Equine Science Society Meeting, pp. 144-145, Hunt Valley, MD.

47**.** Bailey, L.B., **H.A**. **Brady,** S. Tardif, and D.M. Hardy. 2007. Expression and localization of zonadhesin in testicular tissue of different age stallions. Proc. 20th Equine Science Society Meeting, pp.163-164, Hunt Valley, MD.

48. **Brady, H.A.** and H. Hernandez. 2007. 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.

49. Pyle, A.A., **H.A. Brady**, J.J. McGlone, L.D. Thompson, and D.E. Lawver. 2007. Measurements of stress in therapy horses- Are there warning signs out there? North American Riding for the Handicapped Association Annual Meeting, Anaheim, CA.

50. Pyle, A.A., **H.A. Brady**, J.J. McGlone, L.D. Thompson, and D.E. Lawver. 2008. Evaluation of stress in horses in hippotherapy programs. Southern Section Meeting of the Am. Soc. of Anim. Sci., Dallas, TX.

51. **H.A. Brady**. Engaging students with service learning within an Animal Science curriculum at Texas Tech University- a ten year perspective. 2008. Proc Annual Meeting of the Am. Soc. of Anim. Sci., Indianapolis, IN.

52. **Brady, H.A**. and H. Hernandez. 2008. Benefits of Therapeutic Riding for Speech Therapy. Application and Case Studies. Annual Meeting of the New Mexico Speech-Language and Hearing Association, Albuquerque, NM.

53. **Brady, H.A**. 2009. 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.

54. Garcia, A.L., **H.A.** **Brady,** M.A. Ballou, D.D.Varner, C. Love, 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 Sci. 29(5) 331-332.

55. Guay, K. A., **H.A Brady,** M. Sutherland, K.R. Pond, L.A. Janecka, and V.G. Allen. 2009. Effects of a 24 hour transport on stress response in horses. J. Eq. Vet. Sci. 29(5) 424-425.

56. Garcia, A.L., **H.A**. **Brady,** M.A. Ballou, D.D. Varner, C. Love, and G. Blodgett. 2010. Stallion spermatozoa parameters of motility and conception rates in a large commercial ranch. Proc. National Meeting of the Am. Soc. of Anim. Sci., Denver, CO.

57. Arant, T.L., **H.A. Brady**, H.M. Hernandez, L.D. Thompson and R. Lock. 2010. The benefits of therapeutic riding on the social skills and speech in children diagnosed with autism spectrum disorders. Proc. National Meeting for the North Am. Riding for the Handicapped Assoc, Denver, CO, Nov, 2010.

58. **Brady, H.A.,** H.M. Hernandez, and K.A. Guay. The growth of equine-assisted therapy programs within Higher Education. Proc. Equine Sciences Society National Meeting, Murfreesboro, TN, June, 2011.

59. **Brady, H.A** and H.M. Hernandez. Growth of Equine Assisted Therapy programs in institutions of Higher Education in the United States. Proc. XIV Congress of Therapeutic Riding, Athens, Greece, April, 2012

60. **Brady, H.A**. Status of instructor certification and curriculum in Higher Education Members of the Professional Association of Therapeutic Horsemanship, International. Proc. J. Equine Veterinary Science 33 (5) 386-387.

61 Langdon, W.C., C.C. Love, S.R. Teague, **H.A. Brady**, L.L. Penrose, and S.D. Prien. Effects of ambient heat stress on equine sperm chromatin by evaluating two different techniques. J. Equine Veterinary Science 33 (5) 441-442.

62 **Brady, H.A**. The curriculum of Equine Science with EAAT programs in Higher Education- Development of a comprehensive Equine Science module within a peer-reviewed EAAT textbook. Proc. Professional Association of Therapeutic Horsemanship, International Higher Education Meeting, Middle Tennessee State University Murfreesboro, TN, August, 2014

63 **Brady, H.A**., Camp, T., Dendy, D., James, R., Irwin, T., Thompson, L.T., Tiongco, C., McLendon, T, and R. Stevens. Methodology in measurements of gait and balance in two-and three-year-old children with gross motor developmental delay participating in a program of hippotherapy. Proc. Annual Meeting of the American Hippotherapy Association. Fort Worth, TX. March, 2015

64. C. O’Hara, Webb, G.W., **Brady, H.A**., Walker, E.L. and S. Sacra. 2015. A survey of anthelmintic methods for horses used in trail riding or ranch horse competitions. J. Equine Veterinary Science 35:421-422.

65. James, C. R, **Brady, H.A**., Dendy, D., Camp. T., Jensen, D., Suk, H., Thompson, L.T., Irwin, T., Tiongco, C., McLendon, T, and R. Stevens. Walking improvements in a child with gross motor developmental delay after seven weeks of hippotherapy. Proceedings of the Gait and Clinical Movement Analysis Society (GCMAS), May 2016, Memphis TN.

67. **Brady, H.A**., James, C. R, Dendy, D.W., Swiacki, C.A., Irwin, T.A., Thompson, L.D., Camp. T.M. Yang, H.S., and K.J. Cooper. 2017. Gait and gross motor improvements in a two-year-old child with arthrogryposis after hippotherapy intervention using a Norwegian fjord. J. Equine Veterinary Science 52:56.

68. Cooper, K., Brady, H., Dendy, DW, Hyang, S. Thompson, L.D., Swiacki, C.A., Irwin, T.A., Camp, T.M., and C.R. James. Walking improvements in a child with gross motor developmental delay after hippotherapy intervention. South Central Meeting of the American Society of Biomechanics, Plano, TX. March 21-April 1, 2017.

69. **Brady, H.A**., James, C. R, Dendy, D.W., Swiacki, C.A., Irwin, T.A., Thompson, L.D., Camp. T.M. Yang, H.S., and K.J. Cooper. Sustained gross motor skills improvements in a child with arthrogryposis with prior hippotherapy intervention. International meeting of Professional Association of Therapeutic Riding Horsemanship, Intl., San Antonio, TX November, 2017.

**70. Brady, H.A**., James, C. R, Dendy, D.W., Irwin, T.A., Thompson, L.D., Camp. T.M. Yang, H.S., and K.J. Cooper. 2018. Gait and gross motor skills in two-and three-year-old children with developmental delay participating in hippotherapy intervention. 16th International Congress for the Federation of Horses in Education and Therapy, Dublin, Ireland, June 2018.

71, **Brady, H.A.,** James, C. R, Dendy, D.W., Irwin, T.A., Thompson, L.D., Camp. T.M. Early hippotherapy intervention for two-and three-year-old children with gross motor developmental delay Online presentation to European Conference on Hippotherapy, Prague, Czech Republic Brno-Czech Republic (September 10-11, 2021).

72. Kinnear, M.M., **Brady, H.A**., Dendy, D.W., Thompson, L.D., James, C. R, Irwin, T.A., Camp. T.M. Developmental Skills and Gait Parameters in Young Children with Developmental Delay Participating in Physical and Occupational Therapy Integrating Equine Movement. Accepted for presentation American Hippotherapy Association International Conference Jacksonville, FL. March 7-8. 2024

**Refereed Abstracts:**

**Invited: 4**

1. **Brady, H.A.**, D.E. Lawver, K.A. Guay, C.L. Akers, and N. T. Cepica. 2003. Service-based learning courses: Principles of therapeutic riding as a model. Provost Office Symposium on Service-Based Learning. Texas Tech University, Lubbock, TX.
2. **Brady, H.A**. and W.T. Nichols. 2008. 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.
3. Blanek, M, **H.A.** **Brady,** and W.T. Nichols. 2008. Equine anthelmintic resistance and rotational deworming programs. International Symposium on Equine Parasitology, Copenhagen, Denmark.
4. Arant, T.L., **H.A. Brady,** and H.M. Hernandez. 2010. Studies on the benefits of therapeutic riding and speech and social skills in children with autism. Invited talk for the New Mexico Speech-Language and Hearing Association, Albuquerque, NM, October, 2010.
5. **Brady, H.A**., James, C. R, Dendy, D.W., Irwin, T.A., Thompson, L.D., Camp. T.M. 2022., Gait and Gross Motor Skills in Two-and Three-Year-Old Children with Developmental Delay Participating in Hippotherapy Intervention, Invited Presentation in Seville, Spain, III International Congress International Alliance for Healthy Interactions with Horses, AINISE November 26-27, 2022.

**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>.

1. Strategic Deworming and Equine Wellness. “Live” on RFD TV. One-hour short course and live question and answer program. Nashville, TN April 6, 2009
2. Fox 34 TV News Interview on my research, teaching, and administrative contributions to the Texas Tech Therapeutic Riding and Therapy Center (December 24, 2018).
3. Starting an Equine-Assisted therapy Program at your University. - Panel Discussion. National Association of Equine Affiliated Academics (NAEAA) National meeting (May 27, 2021).

**Technical reports: 16**

 1**.** Fregin, G.F. and **H.B. Blue**. 1982. Equine sports medicine: Science in the backstretch. New York Thoroughbred Breeders Magazine, Fall Issue. pp. 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, College Station, TX. Ch.VII pp.11-18.

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, College Station, TX.

 4. **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).

 5. **Brady, H.A.** 1996. Cooled equine semen: Techniques and implications. Proc. of Texas Tech Equine Science Short Course. pp. 9-16. Texas Tech University, Lubbock, TX.

 6. 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. pp. 13-16, Texas Tech University, Lubbock, TX.

 7. Springer, T.W. and **H.A. Brady**. 1996. The science of round pen reasoning. Department of Animal Science and Food Technology Research Report. pp. 43-44. Texas Tech University, Lubbock, TX.

8. **Brady, H.A.** 1997. Breeding soundness in the broodmare. Proc. of Texas Tech Ranch Horse Program Short Course. pp. 1-5. Texas Tech University, Lubbock, TX.

9. **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.

 10. 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, Lubbock, TX.

11. **Brady, H.A.** 2000. The use of altrenogest in stallions. Proc. of Purina Mills Performance Horse Short Course Research Meeting. pp. 15-17. Ocala, FL.

12. **Brady, H.A**. The effects of *Ascophyllum nodosum* on transport stress in horses. Texas Equine Research Account Advisory Committee Report. January, 2002.

13**. Brady, H.A**., K.A. Guay, 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, Texas Tech University, Lubbock, TX, 2002.

14. **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.

15. Burke, C., K. Tyrell, S. Pictor, P. Turbeville, **H.A. Brady**, and H.M. Hernandez. 2007. Collaborating with colleges- the benefits for center and university. Strides. Vol. 13 (1).

16. **Brady, H.A.** and W.T. Nichols. Fast 6-way rotational anthelmintic equine regimen on a documented Fenbendazole-resistant farm. InterConnect Technical Bulletin, Intervet Canada, 2007.

**Other publications: 2**

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.** David Stoecklein- A Tribute. The Ranch Record. National Ranching Heritage Center Publications, January 2015
3. White, S., **Brady, H**. (2020). The Artist Known as H. *Ranch Record, 50*(3), 36-40.
4. **Brady, H. A.,** White, S. (2022). Brenda Murphy Art that Focuses on the Horse. *Ranch Record,* *Spring* (Vol 52, No. 2), 42-47.

**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.

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

 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.

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

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

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

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

 Development of Texas Equine College Teaching Consortium. Texas Equine Industry Course. College Station, TX. October, 1999.

 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.

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

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

 The Benefits of Hippotherapy on Physical, Cognitive and Emotional Domains in Children with Disabilities. Altrusa Meeting. Lubbock, TX. 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, Lubbock, TX, 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, Lubbock, TX, July, 2002

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

 Service-based Learning Courses: Principles of Therapeutic Riding as a Model. Women’s Conference. United Spirit Arena, Texas Tech University, 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, Lubbock, TX, 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, Texas Tech University, Lubbock TX, 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, Abernathy, TX, August 24, 2004.

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

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

 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.

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, 2006.

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

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

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

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

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

Hippotherapy as a Treatment Tool in the Allied Health Fields. Texas Tech Health Sciences Center School of Nursing. Lubbock, TX, 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, Texas Tech University, Lubbock, TX, 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, Lubbock TX, Feb 21, 2008.

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

Parasite Resistance in Horses-An Emerging Health Problem. Eddie Griffith Ag Talk Radio. Lubbock, TX, 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, Lubbock, TX, January 10, 2009.

Texas Tech Therapeutic Riding Center. San Antonio Livestock and Rodeo Board Presentation. San Antonio, TX, February, 2010.

Texas Tech Therapeutic Riding Center- Opportunities for Giving Within the Community. Rotary International, January 23, 2012

Texas Tech Therapeutic Riding Center. San Antonio Livestock and Rodeo Board Presentation. San Antonio, TX, February, 2012.

Texas Tech Therapeutic Riding Center and Benefits to our Community. South Plains Association of the Soil and Water Conservation District meeting, February 15, 2012.

Service Learning- Benefits and Opportunities for CASNR. CASNR Faculty Retreat, Merket Center, August 2012.

The Equine Certificate- Benefits for the Department of Animal and Food Sciences 2016 CASNR Faculty Retreat, August 26, 2016.

Texas Tech Therapeutic Riding Center. San Antonio Livestock and Rodeo Board Presentation. San Antonio, TX, February, 2017.

Research Advances- The Texas Tech Therapeutic Riding and Therapy Center. San Antonio Livestock and Rodeo Scholarship Committee Presentation. San Antonio, TX, October, 2017.

Research and Teaching Update of the Texas Tech Therapeutic Riding and Therapy Center. San Antonio Livestock and Rodeo Scholarship Committee Presentation. San Antonio, TX, February 21, 2018.

Brady, A., Service Learning Panel Presentation for the College of Agricultural Sciences and Natural Resources, Teaching Learning and Professional Development Center, Texas Tech Library, "Service-Learning Classes associated with Texas Tech Therapeutic Riding and Therapy Center." (September 6, 2018).

Brady, A., CASNR Faculty Fellows Meeting Faculty Led Study Abroad Discussion Panel, CASNR, "Study Abroad Experiences- Horses in World Art." (March 31, 2021).

Brady, A. (Invited Panelist), National Association of Equine Affiliated Academics, "Starting an equine-assisted therapy program at your university- Panel Discussion," National. (May 26, 2021).

Brady, A. (Invited Panelist), Equine Sciences Society National Conference, "Equine Assisted Therapy in Higher Education." (June 1, 2021).

**GRADUATE STUDENT COMMITTEES:**

**COMPLETED**

**Chaired:**

 **Ph.D.**

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

 **M.S.**

1. Christa Behrendt. Completed 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 1997. Effects of Altrenogest on Sexual/Aggressive Behavior, Hormonal Profiles and Testicular Parameters in Young Stallions.
3. Patricia LaCasha. Completed 1997. Voluntary Intake Digestibility and Selection of Matua Bromegrass, Coastal Bermudagrass, and Alfalfa Hay by Yearling Horses.
4. Noah Heninger. Completed 1999. Effects of Altrenogest on Hormonal, Seminal, and Behavioral Parameters of Two-year-old Stallions in Training.
5. Heather Vartorella. Completed 2001. The Behavioral and Fertility Effects of Repeated Short-term Doses of Altrenogest in Young Stallions.
6. Meghan Blanek. Completed 2005. Investigation of the Efficacy of Three Fenbendazole Deworming Regimens in Horses.
7. Alycia Pyle. Completed 2006. Stress Physiology and Behavior of Therapeutic Riding Horses.
8. Alexis Garcia. Completed 2009. Stallion Spermatozoal Motility and Fertility Parameters: An Examination of Stallion Variability and Pregnancy Rates over a Breeding Season on a Working Texas Ranch.
9. Arlene Garcia. Completed 2010. Parasite Resistance to Anthelmintic in Horses in Texas.
10. Tangela Irwin. Completed 2014. The Benefits of Therapeutic Riding on Social Skills in Riders with Autism.
11. Carla Dean. Completed 2014. Investigation of Ticarcillin‐Clavulanic Acid to INRA 96 Extender for Stallion Semen Extender.
12. Lindsey Lear. Completed 2014. Parasite load and survey of management practices in in performance horses in Texas.
13. Sadie Sacra. Completed 2016. Parasite Load and Anthelmintic Management in Horses used in College Rodeo in Texas and Missouri.

 **M.S. Non-Thesis/M. AG.**

1. Sean Childers. Completed 2000. Artificial Insemination in the Mare.

2. Jennifer VanBuskirk. Completed 2001. Studies in Therapeutic Riding.

3. Lauren Lovelace. Completed 2004. Equine Marketing.

4. Laura Blair Bailey. Completed 2007. Zonadhesin in Testicular Sections in Stallions.

5. Holly Hagaman. Completed 2007. Interdisciplinary Studies on the Equine Industry and

 Marketing at the 6666 Ranch.

6. Heather Sloss. Completed 2007. Equine Reproduction at the 6666 Ranch.

7. Crystal Clayton. Completed 2009. Interdisciplinary Agricultural Studies.

1. Dale Manley. Completed 2010. Equine Industry and Business.
2. Dana Henderson. Completed 2010. Equine Assisted Therapy and Equine

 Marketing.

1. Danica Jorgenson Completed 2011. Equine Industry- Development of the Texas Tech Equestrian Competitive Team
2. Levi Williamson. Completed 2011. Equine Industry- The Texas Tech Ranch Horse Program
3. Adam Woodard. Completed 2012 Equine Production and Veterinary Sciences
4. Casey Orr. Completed 2012. Texas Tech Horse Judging Team.
5. Shannon Miller. Completed 2014. Equine Assisted Therapy.
6. Brooklyn Zabel. Completed 2018. Equine Assisted Therapy.
7. Kipty Watt. Completed 2018. Equine Nutrition and Rehabilitation.

**Co-Chaired:**

 **Ph. D.**

1. Wendee Langdon. Completed 2013. Effects of Ambient Heat Stress on Equine Sperm Chromatin by Evaluating two Different Techniques.

 **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.

**M.S. Non-thesis**

1. Kendra Daley. Completed in 2019. Equine Industry

2. Ashley Adams. Completed in 2023. Equine Business.

**Committee member:**

 **M.S.**

 **Completed:**

1. Steven Cooper. Completed in 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.
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 Though Modification of Semen Collection/Extension.
6. Clayton Dehn. 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.
8. Katie McArthur. Completed in 2015. Effects of Iloprost on Equine Sperm Function.
9. Ed Cooper. Completed in 2020. Topics in Agricultural Leadership and Equine Assisted Therapy.

**Ph.D.**

**Completed**

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.
3. Cara Wessels. Completed in 2017. Specific Gravity Techniques in the Determination of Early Embryo Growth Potential.
4. Ashtin Bechtold, Completed in August 2022. Improving human sperm samples- The impact of barrier and electrical resistance technologies"

**M.S. Non-Thesis/M AG.**

1. Will Golden. Completed in 2009.

**M.L.A.**

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

**IN PROGRESS**

**Chair:**

1. Haylee Feeback. Administration in Equine-Assisted Activities. Anticipated completion date Spring 2024.
2. Tatijana Mirsky. Equine Reproduction. Anticipated completion date Spring 2025.

**Co-Chair:**

**M.S. Thesis**

1. Morgan Kinnear. Benefits of Hippotherapy for Young Children with Gross Motor Delay. Anticipated completion date Spring 2024.

**Committee Member**

**Ph.D.**

1. Christin Rudd. Equine Assisted Therapy. Anticipated completion date 2024.
2. Jordan Snyder. Equine Reproduction. Anticipated completion date 2026.

**Undergraduate Research Training**

1. Bethany Eudy. 2006-2007. Anthelmintic Regimens in Horses. Senior Honors Thesis. Texas Tech University. Advisor.
2. Kayla Odle. 2008. Benefits of Therapeutic Riding for Riders with Autism. Senior Honors Fellows Thesis. Texas Tech University. Advisor.

**UNDERGRADUATE ADVISING:**

Responsibilities include undergraduate advising (30-40 students) within the Department of Animal and Food Sciences 2002-present

Responsible for maintenance of audits for the undergraduate Equine Science Certificate Program, 2008 to present; audits for undergraduate Horsemanship Certificate 2015 to present.

**TEACHING RESPONSIBILITIES:**

**ANSC 2310** The Horse in World Art- 2011-present.

**ANSC 3303** Introductory Horse Management – 1995-2005, 2009- present.

**ANSC 4402** Horse Production – 1996- 2012

**ANSC 3309** Principles of Hippotherapy - 1998- present.

**ANSC 4000** Internship 1995 - present.

**ANSC 4001** Special Problems. 1995 - present.

**ANSC 1401** Introductory Animal Science Horse Labs and/or Horse Lectures. 1995- 2011.

**IS1100** Freshman Seminar. 2008-2010.

###### **Graduate Courses**

**ANSC 5001** Special Problems 1995 – present.

**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 1995- present.

**ANSC 5404** Advanced Reproduction 2005, 2007, 2009.

**New Course Development**

**ANSC 2310 Horse in World Art**

Course developed and approved as Core course in Creative Arts and (2015) Multicultural core.

Taught for the first time 2011. This course is focuses on the horse in the American West and enriches the knowledge of the students by demonstrations and visits from many award-winning artists in the genre of Western art. The unique close proximity of Texas Tech University to many of the famous ranches portrayed in the art also emphasized.

This class is now taught spring, Summer I and II, and Fall. Students from across the campus are enrolled in this class. For four year, I have also taught this class in Seville, Spain as part of the TTU Study Abroad Program. (2018, 2019, 2022,2023)

In the spring of 2020, this course was put online and many new additions to the course were added. In the summer and fall of 2020, increased interaction with the students was made possible by the introduction of new zoom sessions with the following artists: Edgar Sotelo, Tim Cox, David Griffin, Wyman Meinzer, Emily McCartney, Jason Scull and Mary Ross Buchholz.

**ADMINSTRATIVE DUTIES- TEACHING PROGRAMS**

Equine-Assisted Therapy Program- Founder of Program

I started the Texas Tech Therapeutic Riding and Therapy Center (TTRC) at Texas Tech University with $500 and two borrowed horses. It has grown into the most comprehensive teaching and research programs at an Institute of Higher Education in the United States. We certify students as Therapeutic Riding Instructors as part of this teaching program and prepare them for careers in this field. Equine Assisted Therapy in now a growing concentration option within the Animal Sciences B.S. undergraduate curriculum. We offer 2 service-based learning courses and internships. We support our own 15-horse program to benefit individuals with disabilities.

1997-2021 - Director

 Duties include supervision of grant writing, program development personnel, budgets

2018-2021 Administrative Capacity: Co-Director, Texas Tech Therapeutic Riding Center

 Premier Center, Professional Association of Therapeutic Horsemanship Intl.

 Duties include supervision of grant writing, program development personnel, budgets,.

In November, 2018, we celebrated our 20th anniversary of the TTRC.

2021- Present

Administration responsibilities of conducting research grants at the TTRC, grant budgets,

**Texas Tech Equine Certificate**

**Administrative Assignments**

Coordinator of Equine Certificate Program, Department. (2000 - Present). Duties include

administration of the Equine Certificate Program and the Horsemanship Certificate, program development, updating curriculum, degree audits, and ordering Certificates.

**GRANTS, AWARDS, AND PROGRAM SUPPORT:**

**1992**

1. R.C. Burghardt, P.I.; 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, P.I**. 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, P.I**. Equine Uterine/Embryonic Interactions during Maternal Recognition of Pregnancy. Illinois Agricultural Experiment Station Hatch. $45,000 ($45,000).

**1995**

1. **H.A. Brady, P.I.**; 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 ($3,500).
2. **H.A Brady, P.I**. Embryo Research in Mares. Houston Livestock Show and Rodeo Association. $3,000 ($3,000).
3. **H.A. Brady, P.I**. 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, P.I.**; 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, P.I**. 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, P.I.**; 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 ($4,000).
3. D. Stocco, P.I.; **H.A. Brady**, Training Grant Member. Regulation of Reproductive Processes. NIH Reproductive Physiology Training Grant. $79,451 ($3,973)

**1998**

1. **H.A. Brady, P.I**. Matua as a Hay for Mares in Lactation and Gestation. Center for Feed

Industry and Research and Education. $5,000 ($5,000).

1. **H.A. Brady, P.I.** Growth of Weanling Foals Fed the Purina Mills Concentrate Strategy. Purina Mills, Inc. $420 ($420).
2. **H.A. Brady, P.I**. 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 P.I.; **H.A. Brady**, Center for Excellence Member. TTUSHC

Center of Excellence in the Reproductive Studies. Texas Tech University Health Sciences Center. $125,000 ($6,250)

1. D. Stocco; **H.A. Brady**, Training Grant Member. Regulation of Reproductive Processes. NIH Reproductive Physiology Training Grant. $517,822. ($25,891)
2. **H.A. Brady, P.I.** Analysis of Colostrum in Pre-partum and Post-partum Mares Fed Matua Hay. Center for Feed Industry Research and Education. $5,000 ($5,000).
3. **H.A. Brady, P.I**. The Effects of Fenbendazole on Foal Heat Scours in Neonatal Foals. Houston Livestock Show and Rodeo Association. $6,500 ($6,500).
4. **H.A. Brady** and T. Perry. Therapeutic Riding Program. Ronald McDonald House Charities of Lubbock.$3,000 ($3,000)

**2000**

1. **H.A. Brady, P.I**.; V.G. Allen, J. Morrow-Tesch, K.R. Pond, D.U. Thompson, and B. Brock. Effects of *Ascophylum nodosum* on Transport Stress in Horses. Texas Equine Research Account Advisory Committee. $24,593 ($4,917).
2. **H.A. Brady, P.I**. The Effects of Fenbendazole on Foal Heat Scours in Neonatal Foals. Intervet. $4,500 ($4,500).

**2002**

1. **H.A. Brady, P.I**.; V.G. Allen, J. Morrow-Tesch, K.R. Pond, D.U. Thomson, and B. Brock – Co Investigators. Effects of *Ascophylum nodosum* on Transport Stress in Horses. Texas Equine Research Account Advisory Committee. $22,949 ($4,590).

**2003**

1. D. Stocco, P.I; **H.A. Brady**, Training Grant Member. Regulation of Reproductive Processes. NIH Reproductive Physiology Training Grant. $517,882 ($25,894).
2. **H.A. Brady, P.I**.; Equine Research Equipment Grant – CEROS Computerized Sperm Motility Analyzer. Texas Equine Research Account Advisory Committee. $23,677 ($23,677).
3. **H.A. Brady, P.I**. Investigation of the Efficacy of Three Fenbendazole Deworming Regimens in Horses. Intervet, Inc. $15,000 ($15,000).
4. **H.A. Brady,** S.W. Cooksey, K. Goodwyn, and K.A Guay. Short and Long–Term Educational Benefits of University Therapeutic Riding Center. Junior League of Lubbock. $38,700.
5. **H.A. Brady**. Tree Planting Program for the Natural Environment Sensory Trail for Therapeutic Riding Center. Chapman Forestry Foundation. $5,000.
6. **H.A. Brady** and S.W. Cooksey. Support for University Therapeutic Riding Assistantship. San Antonio Livestock Show and Exposition. $30,000.
7. **H.A. Brady** and N.T. Cepica. Support for Program Development of the University

Riding Program. Ronald McDonald House Charities of Lubbock. $1,000.

**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. Lubbock Area Foundation. $4,500.

**2005**

1. **H.A. Brady, P.I.** 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, P.I**. Equine Anthelmintic Rotational Regimen on a Known FBZ-resistant Farm. Intervet, Inc. $18,500 ($18,500).

1. **H.A. Brady** and S.W. Cooksey. Support for University Therapeutic Riding Assistantship. San Antonio Livestock Exposition. $30,000.
2. **H.A. Brady** and S.W. Cooksey. University Therapeutic Riding Center. Lubbock Area Foundation. $4,500.
3. **H.A. Brady** and S.W. Cooksey. Riderships for the University Therapeutic Riding Center. University Medical Center Foundation. $29,965.

**2006**

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

**2007**

1. **H.A. Brady** and S.W. Cooksey. Support for Riderships and Program Support. San Antonio Livestock Exposition. $90,000.

1. **H.A. Brady** and S.W. Cooksey. Support for Ridership and Program Support. Chevron. $5,000.

**2008**

1. C.C. Love, P.I., 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).

1. **H.A. Brady**, J.B. Piercy, and H.M. Hernandez. Support of the Three Initiatives of the Texas Tech Therapeutic Riding Center. The CH Foundation. $47,100.
2. **H.A. Brady** J.B. Piercy, and H.M. Hernandez. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. San Antonio Livestock Exposition. $93,830.
3. **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. **H.A. Brady,** J.B. Piercy, and H.M. Hernandez. The James A. “Buddy” Davidson Charitable Foundation. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. $30,600.
2. **H.A. Brady,** J.B. Piercy, and H.M. Hernandez. Support of Arena Building Project for the Texas Tech Therapeutic Riding Center. The CH Foundation. $50,000.
3. **H.A. Brady,** J.B. Piercy, and H.M. Hernandez. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. San Antonio Livestock Exposition. $92,800.
4. **H.A. Brady** J.B. Piercy, and H.M. Hernandez. Anonymous Program Support. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. $50,000.

**2010**

1. **H.A. Brady,** J.B. Piercy, H.M. Hernandez, and K.A. Guay. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. San Antonio Livestock Exposition. $92,450.
2. **H.A. Brady,** J.B. Piercy, and H.M. Hernandez. T.R.I.P. Matching Research Funds for Studies on the Benefits of Therapeutic Riding on Children Diagnoses with Autism Spectrum. $46,900.
3. **H.A. Brady,** J.B. Piercy, H.M. Hernandez, and K.A. Guay. Support of Riderships and Equipment for the Texas Tech Therapeutic Riding Center. The CH Foundation. $50,295.
4. **H.A. Brady** J.B. Piercy, and H.M. Hernandez. Support of Riderships for the Texas Tech Therapeutic Riding Center. Lubbock Area Foundation Young Professionals $1,580
5. **H.A. Brady** J.B. Piercy, and H.M. Hernandez. Construction support for the Texas Tech Therapeutic Riding Teaching and Research Arena. Anonymous Foundation. $50,000.
6. **H.A. Brady** J.B. Piercy, and H.M. Hernandez. Support of Riderships for the Texas Tech Therapeutic Riding Center. The Davidson Foundation. $30,600.
7. **H.A. Brady** J.B. Piercy, and H.M. Hernandez. Support for Lubbock ISD Early Childhood Intervention Program Hippotherapy Opportunities. Lubbock Area Foundation. $4,550.

2011

1. **H.A. Brady,** H.M. Hernandez, and J. B. Piercy. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. San Antonio Livestock Exposition. $92,300.
2. **H.A. Brady,** J.M. Hernandez, and J.B. Piercy. Support of Riderships and Equipment for the Texas Tech Therapeutic Riding Center. The CH Foundation. $50,295.
3. **H.A. Brady,** H.M. Hernandez, and J.B. Piercy. Support for Building for the Texas Tech Therapeutic Riding Center. The CH Foundation. $50,000.
4. **H.A. Brady,** H.M. Hernandez, and J.B. Piercy. Support for Lubbock ISD Early Childhood Intervention Program Hippotherapy Opportunities. Lubbock Area Foundation. $4,500.
5. **H.A. Brady,** H.M. Hernandez, and J.B. Piercy. Program Support for the Texas Tech Therapeutic Riding Center. Altrusa. $2857.
6. H.M. Hernandez, **H.A. Brady** and J.B. Percy. Support for the Texas Tech Therapeutic Riding Center. American Quarter Horse Foundation. $9,978- Not funded.

**2012**

1. **H.A. Brady,** H.M. Hernandez, and J.B. Piercy. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. San Antonio Livestock Exposition. $94,300.
2. **H.A. Brady,** J.M. Hernandez, and J.B. Piercy. Support of Riderships and Equipment for the Texas Tech Therapeutic Riding Center. The CH Foundation. $50,100.
3. **H.A. Brady,** H.M. Hernandez, and J.B. Piercy. Support for Lubbock ISD Early Childhood Intervention Program Hippotherapy Opportunities. Lubbock Area Foundation. $5,000.
4. **H.A. Brady,** H.M. Hernandez, and J.B. Piercy. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. Davidson Foundation. $36,000.
5. H.M. Hernandez**, H.A. Brady**, T.T. Thompson and J.B. Piercy. Support for Texas Tec Therapeutic Riding Center. Pacific Life foundation. $5,000.
6. **H.A. Brady,** H.M. Hernandez, and J.B. Piercy. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. Anonymous Foundation. $80,000.
7. **H.A. Brady,** H.M. Hernandez, and J.B. Piercy. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. Evelyn M. Davies Foundation. $25,000.

**2013**

1. **H. A. Brady,** L.D. Thompsonand J.B Piercy. Riderships and Support for the Texas Tech Therapeutic Riding Center. Anonymous Foundation. $100,000.
2. **H.A. Brady,** L.D. Thompsonand J.B. Piercy. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. San Antonio Livestock Exposition. $94,300
3. **H.A. Brady,** L.D. Thompson, and J.B. Piercy. Support of Riderships and Equipment for the Texas Tech Therapeutic Riding Center. The CH Foundation. $50,100.
4. **H.A. Brady,** L.D. Thompson and J.B. Piercy. Nancy and Rex Isom Foundation. Pledge of $500,000 over 5 years to TTRC Ridership Support

 ($100,000 for endowment in 2013-2014)

**2014**

1. G. Webb, **H.A. Brady** and J. Bagley. An Investigation into Anthelmintic Programs and Efficacies in Performance Horses in Missouri and Texas. N.L.G.C.A. Research Grant. $4,000.
2. G. Webb, **H.A. Brady** and J. Bagley. A Survey of Anthelmintic Programs and Efficacies in Performance Horse Facilities in Missouri and Texas. N.L.G.C.A. Research Grant. $4,000.
3. **H.A. Brady,** L.D. Thompson, T. Irwin **and** J.B. Piercy. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. San Antonio Livestock Exposition. $94,300
4. **Brady, H.A**., Camp, T., Dendy, D., James, R., Irwin, T., Thompson, L.T., Tiongco, C., McLendon, T, and R. Stevens. Measurements of gait and balance in two-and three-year-old children with gross motor developmental delay participating in a program of hippotherapy. College of Agricultural Sciences and Natural Resources Research Enhancement Program. $ 6,750. Not funded.
5. **H.A. Brady**, L.D. Thompson and J.B Piercy. Riderships and Support for the Texas Tech Therapeutic Riding Center. Anonymous Foundation. $100,000.
6. **H.A. Brady,** L.D. Thompson, T. Irwin **and** J.B. Piercy. James A “Buddy” Davidson Foundation. Support for Texas Tech Therapeutic Riding Center. $20,000.

**2015**

1. **H.A. Brady,** L.D. Thompson, T. Irwin and J.B. Piercy. Riderships and Program Support for the Texas Tech Therapeutic Riding Center. San Antonio Livestock Exposition. $94,300
2. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B Piercy. Riderships and Support for the Texas Tech Therapeutic Riding Center. The 1687 Foundation. $50,000.
3. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B Piercy. Riderships and Support for the Texas Tech Therapeutic Riding Center. B James A “Buddy” Davidson Foundation. $50,000.
4. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B Piercy. Hippotherapy Riderships for Individuals Participating in Developmental Delay ($38,250) and General Riderships ($14,400). The CH Foundation. $52,650.
5. Neary, J., (P.I.), Co-Investigators Sobel, A, **Brady, H.A**., Still, B., Thompson, L.D. and T. Davis. 2015. A Novel Diagnostic Approach to Traumatic Brain Injuries in Agricultural Workers. Southwest Center for Agricultural Health, Injury Prevention and Education through Cooperative Agreement #U54-OH7541. $ 19,997. (10% effort, $ 1,999)
6. **H.A. Brady (P.I.),** Co-Investigators Dendy, D., James, R., Camp, T., Irwin, T., Thompson, L.T., Tiongco, C., McLendon, T, and R. Stevens. (2015). Measurements of Gait and Balance in Two-and Three-Year-Old Children with Gross Motor Developmental Delay Participating in a Program of Hippotherapy. President’s Collaborative Research Initiative. Texas Tech University, Request of $50,000 Not Funded.
7. **H.A. Brady (P.I.),** Co-Investigators Dendy, D., James, R., Camp, T., Irwin, T., Thompson, L.T., Tiongco, C., McLendon, T, and R. Stevens. (2015). Measurements of Gait and Balance in Two-and Three-Year-Old Children with Gross Motor Developmental Delay Participating in a Hippotherapy Intervention. Innovative Grant- Horses and Humans Foundation Request of $10,000. Not Funded

2016

1. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B. Piercy. Research Initiatives of the Texas Tech Therapeutic Riding and Therapy Center. San Antonio Livestock Exposition 2016-2017 funding. $100,279 requested, Funded for $100,000.
2. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B Piercy. Hippotherapy Riderships for Individuals Participating in Developmental Delay ($38,250) and General Riderships ($14,400). The CH Foundation. $52,650.
3. **H. A. Brady**, L.D. Thompson, T. Irwin and J.B Piercy. Hippotherapy Riderships for Individuals Participating in Developmental Delay ($15,675) and General Riderships ($37,800). The CH Foundation. $53,475.
4. **H.A. Brady,** S. White, E. Irlbeck and L.D. Thompson.Documentary of the Artists in their Own Words- Interviews from Artists of the American West. Helen Jones Foundation. $36,451. Not Funded.
5. **H.A. Brady,** S. White, E. Irlbeck and L.D. Thompson.Artists in their Own Words. Interviews from Equine Artists of the American West. Community Foundation of West Texas. $36,451. Not Funded

2017

1. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B. Piercy. Research Initiatives of the Texas Tech Therapeutic Riding and Therapy Center. San Antonio Livestock Exposition. $100,000.
2. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B Piercy. Texas Tech Therapeutic Riding and Therapy Center Fund. The CH Foundation. $51,675.
3. Orth, M., **H.A. Brady**, L.D. Thompson, T. Irwin and J.B Piercy. Phase Two Addition Support for the Texas Tech Therapeutic Riding and Therapy Center. $75,000.
4. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B Piercy. Garrison Foundation support for Phase Two Addition Support for the Texas Tech Therapeutic Riding and Therapy Center. $25,000.
5. **H.A. Brady,** L.D. Thompson and J.B. Piercy. Nancy and Rex Isom Foundation. Pledge of $500,000 over 5 years to TTRC Ridership Support (final $100,000 for endowment 2017).
6. **H.A. Brady**, L.D. Thompson, K. Schroeder, T. Irwin and J.B Piercy. Texas Tech Therapeutic Riding and Therapy Center Fund. The CH Foundation. $63,675 pending for 2019 funding.

2018

1. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B. Piercy. Research Initiatives of the Texas Tech Therapeutic Riding and Therapy Center. San Antonio Livestock Exposition. $100,000.
2. **H.A. Brady**, L.D. Thompson, T. Irwin, K. Schroeder and J.B Piercy. Texas Tech Therapeutic Riding and Therapy Center Fund. The CH Foundation. $63,675
3. **H.A. Brady**, L.D. Thompson, K. Schroeder, T. Irwin and J.B Piercy. Texas Tech Therapeutic Riding and Therapy Center Facilities Fund. 1687 Foundation $75,000
4. **H.A. Brady**, L.D. Thompson, K. Schroeder, T. Irwin and J.B Piercy. Texas Tech Therapeutic Riding and Therapy Center Facilities Fund. Bank of America Foundation $1,000
5. **H.A. Brady**, L.D. Thompson, K. Schroeder, T. Irwin and J.B Piercy. Texas Tech Therapeutic Riding and Therapy Center Facilities Fund. S.S. Foundation $53,000
6. **H.A. Brady**, L.D. Thompson, K. Schroeder, T. Irwin and J.B Piercy. Texas Tech Therapeutic Riding and Therapy Center Facilities Fund. Garrison Family Foundation $25,000
7. **H.A. Brady**, L.D. Thompson, K. Schroeder, T. Irwin and J.B Piercy. Texas Tech Therapeutic Riding and Therapy Center Fund. R. C. Johnson Jr. Foundation. $19,800
8. **Brady, H.A**. ( P.I.) Co-Investigators: James, C. R, Dendy, D.W., Irwin, T.A., Thompson, T.D., Camp. Measurements of Gait and Balance in Two-and Three-Year-Old Children with Gross Motor Developmental Delay Participating in Hippotherapy Intervention. Horses and Humans Foundation. $50,000 Not Funded.
9. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B. Piercy. M.S. Doss Foundation. Therapeutic Riding and Therapy Center Phase II Facility. $100,000 Not funded.
10. **H.A. Brady**, L.D. Thompson, K. Schroeder, T. Irwin and J.B. Piercy. The James A. “Buddy” Davidson Charitable Foundation. Research Initiatives within the Texas Tech Therapeutic Riding and Therapy Center. Request $100,000. Not funded.
11. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B. Piercy. Research Initiatives of the Texas Tech Therapeutic Riding and Therapy Center. San Antonio Livestock Exposition. $101,220 , funded 100,000
12. **H.A. Brady**, L.D. Thompson, K. Schroeder, T. Irwin and J.B Piercy. Texas Tech Therapeutic Riding and Therapy Center Fund. The CH Foundation. $72,225 funded

**Endowments 2018-2019**

1. Rex and Nancy Isom Family Scholarship Endowment for Therapeutic Riding for Scholarship Support. $25,000

**2019**

1. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B. Piercy. Texas Tech Therapeutic Riding and Therapy Center Program. San Antonio Livestock Exposition. $100,000
2. **H.A. Brady**, L.D. Thompson, T. Irwin, K. Schroeder and J.B. Piercy. H. A. Brady**,** L.D. Thompson, T. Irwin and J.B. Piercy. Texas Tech Therapeutic Riding and Therapy Center. R. C. Johnson Foundation. $19,000
3. H.A. Brady, L.D. Thompson, T. Irwin and J.B. Piercy. Research Initiatives within the Texas Tech Therapeutic Riding and Therapy Center The CH Foundation. $63,675

**2020**

1. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B. Piercy. Educational and Research Opportunities at the 4 Bar W Ranch and the 1687 Foundation Texas Tech Therapeutic Riding and Therapy Center. 4 Bar W Ranch and the 1687 Foundation. $50,000
2. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B. Piercy. Research Initiatives within the Texas Tech Therapeutic Riding and Therapy Center The CH Foundation. $72,225
3. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B. Piercy. Texas Tech Therapeutic Riding and Therapy Center Program. San Antonio Livestock Exposition. $87,200
4. **H.A. Brady**, C.R. James, D. Dendy, L.D. Thompson, T. Irwin, T. Camp, and H. Holland. Clinical Trial of Hippotherapy as a Novel Intervention for Two to Four-Year-Old Children with Developmental Delay. National Institute of Health. $403,784, not funded.

**2021**

1. **H.A. Brady,** L.D. Thompson, T. Irwin and J.B. Piercy. Research Initiatives within the Texas Tech Therapeutic Riding and Therapy Center. The CH Foundation. $75,600 funded.
2. **H.A. Brady**, C.R. James, D. Dendy, L.D. Thompson, T. Irwin, T. Camp, and H. Holland. Clinical Trial of Hippotherapy as a Novel Intervention for Two to Four-Year-Old Children with Developmental Delay. National Institute of Health. $405,833, not funded
3. **H.A. Brady**, L.D. Thompson, T. Irwin and J.B. Piercy. Texas Tech Therapeutic Riding and Therapy Center Program. San Antonio Livestock Exposition. $103,200 for 2021-2022. Not funded.

**2022**

1. **H.A. Brady** and E. Irlbeck. They Capture the West- Texas Artists of the American West- A Documentary Series. The Helen Jones Foundation. $70,650 Not funded

1. **H.A. Brady,** L.D. Thompson, T. Irwin and J.B. Piercy. Research Initiatives within the Texas Tech Therapeutic Riding and Therapy Center. The CH Foundation. $87,600 Funded.

**2023**

1. **H.A. Brady,** L.D. Thompson, T. Irwin and J.B. Piercy. Research Initiatives within the Texas Tech Therapeutic Riding and Therapy Center. The CH Foundation. $72,000 Funded.

**Cash and Gifts-in-Kind**

|  |  |  |
| --- | --- | --- |
| University of Illinois

|  |  |
| --- | --- |
| **1993** | **$68,000** |

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| Texas Tech University- donations in support for Texas Tech Therapeutic Riding Center and other program support |
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| **1996** | **$63,500** |
| **1997** | **$14,000** |
| **1998** | **$38,000** |
| **1999** | **$24,805** |
| **2000** | **$75,000** |
| **2001** | **$84,890** |
| **2002** | **$73,970** |
| **2003** | **$74,997** |
| **2004** | **$37,321** |
| **2005** | **$18,877** |
| **2006** | **$27,600** |
| **2007** | **$15,420** |
| **2008** | **$27,420** |
| **2009** | **$29,520** |
| **2010** | **$21,681** |
| **2011** | **$88,285** |
| **2012** | **$21,655** |
| **2013** | **$54,146** |
| **2014** | **$35,136** |
| **2015** | **$542,539** |
| **2016** | **$133,943** |
| **2017** | **$ 27,470** |
| **2018** | **$47,947** |
| **2020** | **$19,862** |

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**SERVICE**

**SERVICE TO PROFESSIONAL ORGANIZATIONS:**

**NATIONAL:**

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

NARHA Educational Materials Committee, 2006.

Chair, Educational Publications Task Force, NARHA, PATH Intl. 2009-2011

Professional Association of Therapeutic Horsemanship, International PATH Intl. 2007-present

Programs and Standards Committee, PATH Intl. 2009-2012.

Strategic Planning Committee, PATH Intl., 2012.

Equine Sciences Society Graduate Research Committee, 2005-2015.

Equine Sciences Society Graduate Competition Committee – Reproductive Physiology, 2006-present.

Education Oversight Committee, PATH Intl. 2009-2012

American Association of Hippotherapy AHA member

Chair, Reproductive Physiology Committee, Equine Science Society, 2015

Chair, Abstract Review Committee, Reproductive Physiology, Equine Science Society 2015

Professional Animal Scientist Editorial Board Member 2015-present.

**STATE**

Stock Horse of Texas (SHOT) Advisory Board, 2002

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

Texas Equine Research Account Advisory Committee (State of Texas Racing) 2002-2005.

**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, 2008, 2009.

Texas Tech University Service-Learning Advisory Council Representative for CASNR, 2007-present.

Upward Bound Program, April, 2010.

Faculty Advisor, Women of Faith 2010

Animal Care and Use Committee Member, 2011-2016

**COLLEGE:**

Education Enhancement Committee, CASNR 2005-2006.

Texas Tech University Service-Learning Advisory Council Representative for CASNR. 2009-2013.

Leader of Service-Learning Break –out Sessions, CASNR Retreat, August, 2012

CASNR Mediation Committee 2013-2015

CASNR Post Tenure Review Committee, 2016

CASNR Defining Excellence Committee, 2019

Dissertation Oral Defense of Kimberly Post, Dept. of Ag. Education and Communication, Dean's Representative. (February 13, 2023).

**DEPARTMENT:**

Faculty Tenure Mentor Committee- Sasha Protopopova 2017-2028

Texas Tech Ranch Horse Advisory Committee, 2002

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, 2002-2008.

Assistant to the Superintendent – FFA Horse Judging Area and State Contest, 2002-2008.

Peer Review Teaching – 2004-2006 and 2008-2011

Internship Committee – 2005-2006 and 2007.

Development Committee- 2009.

Curriculum Committee 2005-present

Alumni Award Committee- 2008-2015.

Graduate Admissions Selection Committee, 2011-present.

Beef Faculty Position Selection Committee, 2012

Rodeo Position Selection Committee 2013

Equine Faculty Position Selection Committee 2013-2014

Companion Animal Curriculum Committee, 2016

Faculty Awards Committee, 2016

AFS Equestrian Center Planning Group, Committee Member. (February 2022 - Present).

Texas Tech Therapeutic Riding and Therapy Center Business Plan Committee, Committee

Member, appointed. (October 2021 - Present).

Graduate Admissions Selection Committee, Committee Member. (2020 - Present).

Texas Tech Therapeutic Riding and Therapy Center, Advisory Board Member, Committee

Member. (1998 - Present).

Search Committee for Professor of Practice in Companion Animals, 2023.

Student advising – 1995-present.

**OTHER PROFESSIONAL SERVICE**

Editorial Services

 Ad Hoc Reviewer, Equine Veterinary Journal

Equine Director, American Registry of Professional Animal Scientists, 2015-2017

**CONSULTING ACTIVITIES:**

Intervet Schering-Plough, Inc. Consulting for Equine Parasitology and Equine Management.

Merck, Inc. Consulting for Equine Parasitology.

**COMMUNITY:**

Texas Tech Therapeutic Riding and Therapy Center

This organization, within the Department of Animal and Food Sciences, serves to provide therapeutic riding and hippotherapy to over 150 individuals per year.

St. Elizabeth’s Catholic Church, Member

St. Elizabeth Catholic Church Faculty and Staff Group

Idalou Athletic Booster Club

Idalou Athletic Booster Club

Idalou FFA Parent Supporter Group

St Elizabeth's University Catholic Church, Eucharistic Minister, 2018-present.

St Elizabeth's University Catholic Church, Lector for Mass, 2018-present.

Lubbock Meals on Wheels and Texas Tech Service Learning Program, Participant - Outreach and Engagement Activity, December 2018.

St. Elizabeth’s University Catholic Women’s Organization, Committee Member. 2020-present.

Lay Dominican Group, St Elizabeth's Catholic Church, Member. (2021 - Present).

**OUTREACH- Presentations K-12**

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

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

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

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

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

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

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

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

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

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

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

Career Opportunities in Equine Science and Creating a Life of Service through Equine Assisted Therapy. Upward Bound Program. Texas Tech Therapeutic Riding Center, Lubbock, TX, March 27, 2010.

How Does Service to the Community Fit in with your High School Career? Applications for Helping Others in Therapeutic Riding. Upward Bound, Presented at the Texas Tech Equestrian Center, Lubbock, TX, April, 2010.

**OUTREACH- COMMUNITY AND STATE**

Horses in the American West – Portrayals by Twenty-Four Artists. The Development of a Book. Presentation to the National Cowboy Symposium, Lubbock TX, September 7, 2018.

**TRAINING**

Equine Infectious Disease Update. Britt Conklin, D.V.M. Presented by Boehringer Ingelheim Vetmedica, Inc. AAVSB. Lubbock TX, February 27, 2014

Workshop, "Grant Writers' Seminar and Workshop (GWSW) Training in the Art of Grantsmanship, Presented by John Robertson," Texas Tech University, Lubbock, TX. (February 1, 2019).

Workshop, "NIH Grant Proposal Workshop Writing Cohort with John Robertson," TTU. (March- December, 2019).

Continuing Education Program, "Bio-security for Horses," Michigan State University. (2020).

Continuing Education Program, "Broodmare Nutrition," Michigan State University. (2020).

Continuing Education Program, "Equine Cushings Disease," Michigan State University. 2020).

Continuing Education Program, "Equine Energetics," Michigan State University. (2020).

Continuing Education Program, "Equine Rehabilitation," University of Minnesota. (2020).

Continuing Education Program, "Risk Factors for Equine Metabolic Syndrome." (2020).

Training, "TTU IACUC Cayuse Research Training," Texas Tech University, Lubbock,

Texas, United States. (January 25, 2022).

CTRI Certification Maintenance Exam, Professional Association of Therapeutic Horsemanship, Intl. PATH Intl. (June 5, 2023 - Present).

CITI Human Subjects TTU Biomedical Investigators Basic Refresher, CITI Program. (April 25, 2023)

Training, "Davis College Retreat." (August 18, 2023 - Present).

**INDUSTRY:**

Professional Association of Therapeutic Horsemanship, Intl. PATH Intl.

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

Developing Equine Parasite Diagnostic Lab at Texas Tech University, 2010-2016.