

CURRICULUM VITAE
SARAH LUCILLE RALSTON

PRESENT POSITION

Associate Professor
Department of Animal Sciences
School of Environmental and
Biological Sciences
Rutgers - The State University
of New Jersey
84 Lipman Drive
New Brunswick, NJ 08901-8525
(732)932-9404

PRESENT ADDRESS

164 Herbertsville Road
Howell, NJ 07731
(732) 919-1483

OTHER APPOINTMENTS

University of Pennsylvania, School of Veterinary Medicine, Adjunct professor, 1996-present

EDUCATION

University of Pennsylvania	1977-1982, PhD, Anatomy
University of Pennsylvania	School of Veterinary Medicine, 1976-1980, VMD
Colorado State University	Fort Collins, CO, 1975-1977, MS, Zoology
University of Pennsylvania	College for Women, Philadelphia, PA
	1969-1973, BA, Biology

SPECIALTY BOARD CERTIFICATION

American College of Veterinary Nutrition, 1989

LICENSED TO PRACTICE VETERINARY MEDICINE

Colorado, Pennsylvania, New Jersey

PREVIOUS POSITION

Assistant Professor, Department of Clinical Sciences, School of Veterinary Medicine, Colorado State University, Fort Collins, CO, 1983-1989

HONORS/AWARDS

Rutgers Award for Programmatic Excellence in Undergraduate Teaching, 2003.
Sabbatical Leave, Department of Animal Science/College of Veterinary Medicine, Cornell University, Ithaca, NY. Jan. 2-Aug. 15, 1998.
Cook College Executive Dean's Team-Building Award, 1997.
Adjunct Professor, Department of Large Animal Medicine, School of Veterinary Medicine, University of Pennsylvania. 1995 - present.
1991 Scheidy Award for scientific merit of paper presented to 1991 World Veterinary Congress, Rio de Janeiro, Brazil.
National Research Council, 1988. Outside Reviewer for the 1989 Nutrient Requirements of Horses.
Sigma Xi
Phi Zeta Honor Society

CONSULTING

Ideacres, Cokato, MN. 2004-present
Wyeth-Ayerst Laboratories, St. Davids, PA. 1995-present
Haras Ponta Pora, Mato Grosso do Sul, Brazil. 1999-2000.
ZinPro Corporation, Eden Prairie, MN. 1997-2000
American Cyanamid, Princeton, NJ 1995–1997
Church and Dwight, Princeton, NJ. 1992-1995.
Purina Mills, Inc., 1992-1995.
Ralston Purina Company, St. Louis, MO., 1987-1990.

TEACHING

Courses

Rutgers University:

Course coordinator:

Horse Management, 067:384. 3 credits, (1989 to present).
Fall semester, limit 60 students.

Equine Nutrition, 067:390. 3 credits, 1991 to present).
Spring semester, limit 60 students.

Equine Practicum, 067:207. 2 credits (1992 to present), Fall and Summer semesters,
limit 8 students.

Research in Animal Science (Formerly Animal Science Problems), 067:494. (1989 to
present) variable credit, all semesters, limit 20 students.

Ag Animal fitting and Handling 067:200 section HO, 1 credit, 30 students/yr

Regular "Guest" Lectures:

Animal Science, 067-142. 2 Lectures/yr.
Core Nutrition, School of Veterinary Medicine, University
of Pennsylvania, 2 lectures/yr.
Large Animal Medicine, School of Veterinary Medicine,
University of Pennsylvania, 2 lectures/yr.
Cornell University, School of Veterinary medicine, 1-2 lectures/yr
University of Delaware: Equine nutrition, 3 hrs (2000-2004)

Colorado State University teaching included: Small Animal Clinical Nutrition

Elective, Agents of Disease IV (Nutrition), (VM723); Equine Nutrition
(AN456); Postgraduate Medicine (VM704) - Clinical Nutrition; Junior Practicum, Clinical
Therapeutics, (VM768A).

Student advising and graduate committees

PhD Candidates:

Sharon Kress, Department of Animal Science, Pennsylvania State University, Graduated: May 1, 2004. Committee member.

Angela Black, DVM, Animal Science, Rutgers University, Advisor. Graduated April, 1998.

Alicia A. Bertone, DVM, Clinical Sciences, Colorado State University School of Veterinary Medicine, Committee Member. Graduated September, 1987.

Master's Candidates:

Shannon Brady, Animal Science, Rutgers University, Advisor, Fall, Graduated: Spring, 2002.

Lyn Venham, Animal Science, Rutgers University, Advisor, Graduated: December, 1999.

Jaqueline Agans, Animal Science, Rutgers University, Committee member, Graduated: December, 1998.

Janice Lee Holland, Animal Science, Virginia Polytechnic Institute and State University, Committee Member. Graduated: December, 1994.

Christina Russoniello, Animal Sciences, Rutgers University, Co-Advisor. Graduated: December, 1991.

Karen L. Baucus, Clinical Sciences, Colorado State University, Co-advisor. Graduated: May, 1988.

Robert Morris, Animal Science, Colorado State University, Committee Member. Graduated: May, 1987.

Craig Johnson Craig Johnson, Animal Science, Colorado State University, Committee Member. Graduated: May, 1985.

SCHOLARLY ACTIVITY

RESEARCH SUPPORT

Extramural Funds (1989 – present. Over \$400,00 total)

Wyeth Pharmaceuticals. 2007. Support for Young Horse Research and Teaching Project.
\$ 16,248.

McCrane Foundation. 2007. Support for NAERIC Young Horse Research and Teaching
project. \$15,900

Benefit Auction of NAERIC Yearlings and associated donations, 2007. \$48,000

Cargill/Nutrena. 2007. Growth in young horses. Gift–in-kind feed value \$7000.

Idleacres. 2006. Gift in Kind of feed for research. \$5000

Wyeth. 2006. Support for NAERIC Young Horse Research and Teaching project.
\$15,000

McCrane Foundation. 2006. Support for NAERIC Young Horse Research and Teaching
project. \$15,900

Benefit Auction of NAERIC Yearlings and associated donations, 2006. \$60,000

Cargill/Nutrena. 2006. Growth in young horses. Gift–in-kind feed value \$7000.

Idleacres. 2005. Gift in Kind of feed for research. \$5000

Wyeth Pharmaceuticals. 2005. Support for NAERIC Young Horse Research and
Teaching project. \$15,900

Region 15 International Arabian Horse Association. 2005. Donation for pasture
research. \$2000.

Benefit Auction of NAERIC Yearlings and associated donations, 2005. \$26,450

Cargill/Nutrena. 2005. Growth in young horses. Gift–in-kind feed value \$7000.

McCrane Foundation. 2005. Support for NAERIC Young Horse Research and Teaching
project. \$15,900

Wyeth 2005. Support for NAERIC Young Horse Research and Teaching
project. \$15,150

Lindstrom Foundation. 2004. Unsolicited Donation. \$2000

Extramural Funds (Continued)

Idleacres. 2004. Gift in Kind of feed for research. \$5000

Cargill/Nutrena. 2004. Growth in young horses. \$1500 plus
Gift-in-kind feed value \$7000.

McCrane Foundation. 2004. Support for NAERIC Young Horse Research and Teaching
project. \$15,900.

Donations in support of student travel for NAERIC program, 2004. \$2,800

Benefit Auction of NAERIC yearlings and mares, 2004. \$20,000

Region 15 International Arabian Horse Association. 2003. Donation for West Nile research.
\$2000.

Cargill/Nutrena. 2003. Growth in young horses. \$1500 plus
Gift-in-kind feed value \$7000.

McCrane Foundation. 2003. Support for NAERIC Young Horse Research and Teaching
project. \$15,900.

Donations in support of student travel for NAERIC program, 2003. \$2,100.

Benefit Auction of NAERIC Yearlings, 2003. \$16,000.

Wyeth Pharmaceuticals. 2002. Support of NAERIC program. \$7,500.

Cargill/Nutrena. 2002. Growth in young horses. \$1500 plus
Gift-in-kind feed value \$7000.

Semican, Inc. 2002. Growth in young horses. Gift-in-kind
feed value \$3000.

Benefit Auction of NAERIC Yearlings, 2002. \$29,950

McCrane Foundation. 2002. Support for NAERIC Young Horse Research and Teaching
project. \$18,680.

Cargill/Nutrena. 2001. Growth in young horses. \$1500 plus
Gift-in-kind feed value \$7000.

Benefit Auction of NAERIC yearlings. 2001. \$12,000

Extramural Funds (continued)

Cargill/Nutrena. 2000. Feed donation for research on high fat versus high carbohydrate rations fed to weanlings. Gift in kind value \$3600

McCrane Foundation. 2000. Grant in aid of transportation/Premarin foal research. \$12,500

North American Equine Ranching Information Council. 2000. Grant in aid of transportation research. \$1330.

Benefit Auction of Research/Teaching Yearlings, 2000. \$26,500.

North American Equine Ranching Information Council (NAERIC). 1999. Grant in aid of transportation research. \$1387.

LaRoche Vitamins, Inc. 1999. Grant in aid of transportation research. \$5000 plus product.

Region 15 International Arabian Horse Association. 1999. Donation for transportation research. \$1000.

ZinPro Corporation. 1997-1998. Effect of chromium supplementation on glucose tolerance in geriatric mares. \$34,413.

American Cyanamid Co. 1995. Product safety trial. Study Director. \$20,000.

Hoffman LaRoche, Inc., 1994. Vitamin C supplementation and immune function in horses with high cortisol and/or pituitary adenomas. Principal Investigator. \$7,500 plus Vitamin C supplement and analysis.

American Horse Show Association, 1994. The effects of altering phase B of a 3- day event on body weight, rectal temperature, plasma lactate concentration, and acid-base and electrolyte balance in horses. Co-Investigator. \$23,710.

Church and Dwight, Inc., 1993-1994. Effect of buffers on mineral retention in young horses. Principal Investigator. \$10,000.

Chr. Hansen Laboratory, 1993-1994. Effects of yeast culture supplementation on digestion and mineral balance in yearling horses. Principal Investigator. \$9,000.

Purina Mills, Inc., 1992-1993. Evaluation of a feed formulated for aged horses. Principal Investigator. \$4,500 plus feed.

Church & Dwight, Inc., 1992-1993. Metabolic effects of various carbohydrate sources and buffers in horses. Principal Investigator. \$18,000.

Extramural Funds (continued)

Purina Mills, Inc., 1990-1992. Effect of diet on behavior and postprandial glucose profile. Principal Investigator. \$6,000 plus feed.

Analytical Research Laboratory, 1989-1991. Mineral content of horse feeds in New Jersey. Principal Investigator. Laboratory analyses equivalent to \$25,625.

International Arabian Horse Association - Region 15, 1990 - 1993. Unrestricted \$1,500.

State Competitive Funds

New Jersey State Experiment Station: Equine Initiative. 2003-2004. Glucose, insulin and GLP-1 responses to high soluble carbohydrate hay. Principal Investigator. \$35,000.

DES Innovative Education Grant. 2002-2003. Horses 2003. Principal Investigator. \$4000.

New Jersey State Experiment Station: Equine Initiative. 2002-2003. Low dose oral dextrose challenge detection of alterations in glucose/insulin metabolism in young horses. Principal Investigator. \$30,000.

New Jersey State Experiment Station: Equine Initiative. 2000-2001. Effects of vitamin supplementation during prolonged transportation of weanlings. Principal Investigator. \$22,568.

New Jersey State Experiment Station: Equine Initiative. 1999-2000. Development of tests for postprandial hyperinsulinemia in foals. Principal Investigator. \$45,000

New Jersey State Experiment Station: Equine Initiative. 1998-1999. Pasture and perennial grass research in New Jersey. Co-investigator, \$38,000.

New Jersey State Experiment Station: Equine Initiative. 1998-1999. Effect of chromium supplementation on immune function in horses subjected to transportation stress. Principal Investigator. \$42,000.

New Jersey State Experiment Station: Equine Initiative. 1997-1998. Effect of dental correction on feed digestibility in horses. Principal Investigator. \$8,990.

New Jersey State Experiment Station: Equine Initiative. 1997-1998. Early identification of foals at risk of osteochondrosis. Principal Investigator. \$26,150

State Competitive Funds (continued)

New Jersey State Experiment Station: Equine Initiative. 1996-1997. Changes in bone turnover and growth plate biochemistry during growth and in response to high energy diets, exercise and developmental orthopedic disease. Co-Principal Investigator. \$30,000.

New Jersey State Experiment Station: Equine Initiative. 1996-1997. Evaluation of serum metabolic signals in anorexic racehorses. Co-Principal Investigator. \$7,000.

New Jersey State Experiment Station: Equine Initiative. 1995-1996. Study of the interaction between dietary energy level and moderate exercise on skeletal development in horses. Co-Principal Investigator. \$52,750.

New Jersey State Experiment Station: Equine Initiative. 1994-1995. Bone turnover, acid/base status and mineral retention in weanling horses fed high versus low grain rations and use of osteocalcin and pyridinium crosslinks as markers of bone turnover in horses. Co-Principal Investigator. \$60,000.

New Jersey State Experiment Station: Equine Initiative. 1993-1994. Effects of buffers on mineral retention in yearlings fed high grain rations and diagnosis of abnormal mineral balance. Principal Investigator. \$74,000.

New Jersey State Experiment Station: Equine Initiative. 1992-1993. Effects of carbohydrate intake on acid/base status and mineral retention in immature horses. Principal Investigator. \$48,000.

New Jersey State Experiment Station: Equine Initiative Fund 1992-993. Factors influencing serum amino acids and behavioral reactivity in horses. Principal Investigator. \$20,000.

Colorado State University - Extramural funds: (1986-1989): Total of \$117,300 from Ralston Purina, Pet Ag, Inc., Ross Laboratories, Morris Animal Foundation and Vet line, Inc.

University of Pennsylvania (1980-1983): USDA Grant 526121, Gastrointestinal cues predisposing to laminitis and colic in ponies. Co-Principal Investigator. \$25,000.

PATENTS

Diagnosing a predisposition for equine osteochondritis dissecans. U.S. Patent 5,888,756. March 30, 1999.

JOURNAL EDITORIAL/REFeree ACTIVITY

Editorial Boards

The Horse

Journal of Equine Veterinary Science

Ad Hoc Referee for: Journal of the American Veterinary Medical Association, Journal of Animal Science, American Journal of Veterinary Research, Equine Veterinary Journal, Journal of Equine Veterinary Science, Equine Practice, International Conference on Equine Exercise Physiology.

PUBLICATIONS

Books/Editorships

1. Ralston, SL, Hintz, HF. (Eds). *Recent Advances in Equine Nutrition*. International Veterinary Information Service (www.ivis.org), Ithaca, NY. 2001, 12 chapters, 2 authors
2. Naylor JM, Ralston SL (Eds). *Large Animal Clinical Nutrition*. CV Mosby Yearbook, St. Louis, MO. 1991, 576 pp. 45 chapters, 23 authors.
3. Ralston SL. Consulting Editor, Section 17: Nutrition. In: *Current Therapy in Equine Medicine, 3rd Edition*. Robinson, NE (Ed), W.B. Saunders, Philadelphia, PA. 1991, pp 715-741.

Book Chapters

1. Ralston, SL. Nutritional guidelines for the injured, hospitalized, and post surgical patient. In: *Equine Emergencies: Treatment and Procedures, 3rd Edition*. Divers TJ, Orsini JA (eds), Elsevier, St. Louis, MO, 2007 (In press).
2. Ralston SL, Anderson H, Johnson R. Growth and Glucose/insulin responses in draft cross weanlings fed Total Mixed Ration Cubes versus hay/concentrate rations. *Applied Equine Nutrition and Training*. Arno Lindner (ed), Wageningen Academic Publishers, Netherlands. pp233-239, 2007.
3. Ralston SL. Evidence Based Equine Nutrition. In: *Veterinary Clinics of North America Equine Practice: Evidenced based Veterinary Medicine*. Ramey DW (ed) Vet Clin Equine 23:365–384, 2007.
4. Ralston SL. Nutrition of the Geriatric horse. In: *Equine Geriatric Medicine and Surgery*. Bertone J (ed). Elsevier Publishing, St. Louis, MO, pp169-171, 2006.
5. Ralston SL. Nutrition: horses. In: *The Merck Veterinary Manual, 9th edition*, Aeillo S. (ed), Published by Merck & Co, Whitehouse Station, NJ, pp. 1872-1888, 2005.

Book Chapters (continued)

6. Ralston SL. Hyperinsulinemia and glucose intolerance. In: *Equine Internal Medicine, 2nd Edition*. Reed, S, Bayly W, Sellon D. (eds), Elsevier, St. Louis, MO. pp.1599-1603, 2004.
7. Ralston SL. Insulin and Glucose Regulation. IN: *Veterinary Clinics of North America Equine Practice: Endocrinology*, Messer NT, Johnson PJ (eds). Vet Clin Equine 18:295-304, 2002.
8. Ralston SL. Nutritional support after alimentary tract surgery. In: *Manual of Equine Gastroenterology*, Mair T, Divers T, Ducharme N (eds), WB Saunders, Philadelphia, pp 196-198, 2002.
9. Ralston SL. Care for the Older Horse: Diet and Health. In: *Recent Advances in Equine Nutrition*, Ralston S.L., Hintz, H.F. (eds.). Ithaca: International Veterinary Information Service (www.ivis.org), A1503.1001, 2001.
10. Ralston SL. Nutrition: horses. In: *The Merck Veterinary Manual, 8th edition*, Aeillo S. (ed), Merck&Co, Whitehouse Station, NJ, pp1580-1596, 1998.
11. Ralston SL. Geriatric Horse Nutrition. In: *The Veterinarian's Practical Reference to Equine Nutrition*, Thompson, KN (ed). Published by Purina Mills and American Association of Equine Practitioners, pp 27-32, 1997.
12. Ralston SL. Nutrition of horses before and after surgery. In: *The Veterinarian's Practical Reference to Equine Nutrition*, Thompson, KN (ed). Published by Purina Mills and American Association of Equine Practitioners, pp 131-134, 1997.
11. Ralston SL. Diagnosis of nutritional imbalances. In: *Current Therapy in Equine Medicine, 3rd Edition*, Robinson NE (ed). W.B. Saunders, Philadelphia, PA, pp. 717-719, 1991.
12. Ralston SL. Control of feed intake. In: *Large Animal Clinical Nutrition*. Naylor JM, Ralston SL(es). C.V. Mosby Yearbook, Inc., St. Louis, MO, pp. 114-119, 1991.
13. Ralston SL. Principles of ration analysis. In: *Large Animal Clinical Nutrition*, Naylor JM, Ralston SL.(eds) C.V. Mosby Yearbook, Inc., St. Louis, MO., pp. 131-137, 1991.

Book Chapters (continued)

14. Ralston SL. Effects of disease on nutritional needs. In: *Large Animal Clinical Nutrition*, Naylor JM, Ralston SL (eds). C.V. Mosby Yearbook, Inc., St. Louis, MO, pp. 138-146, 1991.
15. Ralston SL, Naylor JM. Feeding sick horses. In: *Large Animal Clinical Nutrition*, Naylor JM, Ralston SL (eds). C.V. Mosby Yearbook. Inc., St. Louis, MO, pp. 432-446, 1991.
16. Ralston SL. Performance horse nutrition. In: *Large Animal Clinical Nutrition*, Naylor JM, Ralston SL (eds), C.V. Mosby Yearbook, Inc., St. Louis, MO, pp. 417-422, 1991.
17. Ralston SL. Nutritional and feed induced diseases in horses. In: *Large Animal Clinical Nutrition*, Naylor JM, Ralston SL (eds), C.V. Mosby Yearbook, Inc., St. Louis, MO, pp. 423-431, 1991.
18. Hintz HF, Ralston SL. The horse industry and feeding horses for optimal reproduction and growth. In: *Large Animal Clinical Nutrition*, Naylor JM, Ralston SL (eds). C.V. Mosby Yearbook, Inc., St. Louis, MO, pp. 407-416, 1991.
19. Ralston SL. Clinical nutrition of adult horses. In: *Veterinary Clinics of North America Equine Practice: Clinical Nutrition*. Hintz HF. (ed), pp 339-354, 1990.
20. Ralston SL. Nutrition. In: *Clinical Textbook for the Animal Health Technician*, McCurnin DM (Ed). W.B. Saunders Co, Philadelphia, PA. pp. 478-500, 1989.
21. Macy D, Ralston SL. Cause and control of decreased appetite. In: *Current Veterinary Therapy X*, Bonagura JD (ed) W.B. Saunders, Philadelphia, PA, pp. 18-24, 1989.
22. Ralston SL. Dietary considerations in the treatment of heart failure. In: *Current Veterinary Therapy X*, Bonagura JD. (ed). W.B. Saunders, Philadelphia, PA. pp. 302-307, 1989.
23. Ralston SL, Fox PR. Dietary management of chronic cardiac disease. In: *Canine and Feline Cardiology*, Fox PR. (ed). Churchill-Livingstone, Inc., New York, pp. 219-228, 1988.
24. Ralston SL. Feeding behavior. In: *Veterinary Clinics of North America, Equine Practice: Horse Behavior*. Crowell-Davis S. (ed) pp 609-621, 1988.

25. Ralston SL. Feeding problems in horses. In: *Current Therapy in Equine Medicine, 2nd edition*, Robinson NE (ed). W.B. Saunders, Philadelphia, PA. pp. 123-126, 1987.
26. Ralston SL. Appetite and control of food intake in domestic animals. In: *Merck Veterinary Manual, 6th Edition*. Merck&Co, Whitehouse Station, NJ, pp. 1025-1027, 1986.
27. Ralston SL. Nutrition. In: *Clinical Textbook for the Animal Health Technician*, McCurnin DM. (ed). W.B. Saunders Co, Philadelphia, PA. pp 433-454, 1985.

Refereed Research Journal Articles

1. Hovadance MS, Ralston SL, Pelczer, I. Beyond Blood sugar: The potential of NMR-Based Metabonomics for Human Diabetes Type 2 and the Horse as a possible model. *Analytical and Bioanalytical Chemistry*, 387 (2): 533-537, 2007.
2. Motch SM, Harpster HW, Ralston SL, Ostiguy N, Diehl MK. A note on yearling horse ingestive and agonistic behaviours in three concentrate feeding systems. *Applied Animal Behaviour Science* 106: 167–172, 2007.
3. Ralston, SL. Factors affecting glucose and insulin metabolism in young horses. *Pferdeheilkunde*. 21: 83-86, 2005.
4. Allen E, Meyer W, Ralston SL, Watts K. Variability in soluble carbohydrate and mineral content of pasture grasses. *Pferdeheilkunde*. 21:11-12, 2005.
5. Ralston SL, Foster DL, Divers T, Hintz HF. Effect of dental correction on feed digestibility in horses. *Eq. Vet J.* 33(4): 390-393, 2001.
6. Ralston SL. How I treat chronic weight loss in geriatric horses. *Comp. Cont. Ed. Vet.* 21(7): 655-656, 1999.
7. Black A, Schoknecht PA, Ralston SL, Shapses SA. Diurnal variation and age differences in biochemical markers of bone turnover in horses. *J Anim Sci.* 77: 75-83, 1999.
8. Ralston SL, Breuer LH. Field evaluation of a feed formulated for geriatric horses. *J Eq Vet Sci.* 16:334-338, 1996.
9. Medica DL, Hanaway MJ, Ralston SL, Sukdheo MVK. Grazing behavior of horses on pasture: Predisposition to Strongylid infection? *J Eq Vet Sci.* 16:421-427, 1996.
10. Ralston SL. Hyperglycemia/hyperinsulinemia after feeding a meal of grain to young horses with osteochondritis dissecans (OCD) lesions. *Pferdeheilkunde* 12(3):320-322, 1996.

Refereed Research Journal Articles (continued)

11. Andrews FM, White SL, Williamson LH, Maykuth PL, Geiser DR, Green EM, Ralston SL, Mansmann RA. Effects of shortening the steeplechase phase (Phase B) of a 3-day-event. *Eq Vet J Suppl.* 20:64-72, 1995.
12. Andrews FM, Ralston SL, Williamson LH, May Kuth PL, White SL, Provenza M. Weight loss, water loss and cation balance during the endurance test of a 3-day event. *Eq Vet J.* 18:294-297, 1995.
13. Andrews FM, Ralston SL, Sommardahl CS, Maykuth PL, Green EM, White SL, Williamson L, Holmes CA, Geiser DR. Weight loss, water loss and cation balance in horses competing in a 3-day event. *J Am Vet Med Assoc* 205:721- 724,1994.
14. Bagshaw CS, Ralston SL, Fisher H. Behavioral and physiological effects of orally administered tryptophan on horses subjected to acute isolation stress. *Appl Anim Behav Sci.* 40:1-12,1994.
15. Eisner RJ, Meirs DA, Meirs DA, III., Ralston SL. Lack of correlation between exposure to Lyme Disease (*Borrelia Burgdorferi*) and pregnancy loss in mares. *J Eq Vet Sci.* 14:102-105,1994.
16. Chandler ML, Miller E, Olson PN, Ralston SL. Serum chemistry and lipid profiles in neonatal beagle puppies fed homemade milk replacer formulas. *Cornell Vet.* 83:107-116,1993.
17. Bertone AL, Stashak TS, Ralston SL, Bertone JJ, Hamar D. A preliminary study on the effects of jejunocecostomy in horses. *Eq Vet J. (Suppl)* 13:51-56,1992.
18. Ralston SL. Dietary influence on serum copper and zinc concentration in horses. *Pferdeheilkunde* 3: 96-98,1992.
19. Ralston SL. Effect of soluble carbohydrate content of pelleted diets on postprandial glucose and insulin profiles in horses. *Pferdeheilkunde* 3:112-115,1992.
20. Poffenbarger EM, Olson PN, Ralston SL, Chandler ML. Canine Neonatology Part II: Disorders of the Neonate. *Compend Cont Ed.* 13:25-37, 1991.
21. Baucus KL, Squires EL, Ralston SL, McKinnon AO, Nett TM. Effect of transportation on the estrous cycle and concentrations of hormones in mares. *J Anim Sci.* 68:419-426,1990.
22. LeRoy R, Wells L, Ralston SL. Mineral intake and hair analysis of horses in Arizona. *J*

- Eq Vet Sci. 10(6):412-416,1990.
23. Poffenbarger EM, Ralston SL, Chandler ML, Olson PN. Canine Neonatology Part I: Physiologic differences between the puppy and adult dog. *Compend Cont Ed.* 12:1601-1609, 1990.
 24. Baucus KL, Ralston SL, Nockels CF, McKinnon AO, Squires EL. Effects of transportation on early embryonic death in mares. *J Anim Sci.* 68:345-351, 1990.
 25. Bertone AL, Ralston SL, Stashak TS. Fiber digestion and voluntary intake in horses after adaptation to extensive large colon resection. *Am J Vet Res.* 50:1628-1632,1989.
 26. Bertone AL, VanSoest PJ, Johnson D, Ralston SL, Stashak TS. Large intestinal capacity, retention times, and turnover rates of particulate ingesta in horses associated with extensive large colon resection. *Am J Vet Res.* 50:1621-1627,1989.
 27. Baucus K, Ralston SL, Rich VA, Squires EL. Mineral content of mare's milk. *J Eq Vet Sci.* 9:206-209,1989.
 28. Ralston SL, Squires,EL, Nockels, CF. Digestion in the aged horse. *J Eq Vet Sci.* 9:203-205,1989.
 29. Ralston, SL, Larson K. The effect of oral electrolyte supplementation during a 96 kilometer endurance race for horses. *J Eq Vet Sci.* 9:13-19, 1989.
 30. Ralston SL, Barbacini S, Squires EL, Nockels CF. Ascorbic acid supplementation in stallions. *J Eq Vet Sci.* 8:290-294,1988.
 31. Ralston SL. Equine Clinical Nutrition: Special problems and solutions. *Compend Cont Ed.* 10:356-363,1988.
 32. Ralston SL, Nockels CF, Squires EL. Differences in diagnostic test results and hematologic data between aged and young horses. *Am J Vet Res.* 49:1387-1392,1988.
 33. Ralston SL. Nutritional management of horses competing in 160 KM races. *Cornell Vet.* 78:53-61, 1988.
 34. Collins JE, Kari S, Ralston SL, Bennett DG, Traub-Dargatz JL, McKinnon AO. Equine viral arteritis at a Veterinary Teaching Hospital. *Prev Clin Med.* 4:389-397, 1987.

Refereed Research Journal Articles (continued)

35. Bertone AL, Stashak TS, Sullins KE, Ralston SL. Experimental resection of the large colon at the cecocolic junction in the horse. *Vet Surg.* 16:5-12, 1987.
36. Ralston SL, Rich GA, Squires EL, Jackson SA. Effect of vitamin A supplementation on seminal characteristics and vitamin A absorption in stallions. *J Eq Vet Sci.* 6:203-207, 1986.
37. Ralston SL, Sullins K, Stashak T. Digestion in horses after resection or ischemic insult of the large colon. *Am J Vet Res.* 47:2290-2293, 1986.
38. Traub-Dargatz JL, Ralston, S, Collings J, Bennett DG. Equine viral arteritis: a review. *Compend Cont Ed.* 7:S490-S496, 1985.
39. Traub-Dargatz J, Ralston S, Bennett DG, Collins J. Outbreak of EVA at CSU-VTH. *J Eq Vet Sci.* 5:168, 1985.
40. Ralston SL. Patterns and control of food intake in domestic animals. *Comp Cont Ed.* 6:S628-S634, 1984.
41. Ralston SL. Controls of feeding in horses. *J Anim Sci.* 59:1354-1361, 1984.
42. Ralston SL, Baile CA. Review of factors controlling feed intake in ponies. *Neurosci and Biobehav Rev.* 7:465-470, 1983.
43. Ralston SL, Freeman D, Baile CA. Volatile fatty acids and the role of the hind gut in the control of feed intake in ponies. *J Anim Sci.* 57:815-825, 1983.
44. Ralston SL, Rich VA. Black walnut toxicosis in horses. *J Am Vet Med Assoc.* 183:1095, 1983.
45. Tate L, Ralston SL. Effect of extensive small intestine resection in the horse. *Am J Vet Res.* 44:1187-1191, 1983.
46. Ralston SL, Baile CA. Effects of intragastric sodium chloride, xylose and corn oil on feeding behavior of ponies. *J Anim Sci.* 56:302-308, 1983.
47. Ralston SL, Baile CA. Plasma glucose and insulin concentrations and feeding behavior in ponies. *J Anim Sci.* 54:1132-1137, 1982.
48. Ralston SL, Baile CA. Gastrointestinal factors controlling feed intake in ponies. *J Anim Sci.* 55:243-253, 1982.
49. Ralston SL. Common behavior problems in horses. *Compend Cont Ed.* 4(4):142- S160,

1982.

50. Ralston, SL, Van Den Broek G, Baile CA. Feed intake patterns and associated blood glucose, free fatty acid and insulin changes in ponies. *J Anim Sci.* 49:838-845, 1979.

Scientific Journal Articles: Invited Reviews

1. Ralston SL. Feeding dentally challenged horses. *Clinical Techniques in Veterinary Practice* 4(2):117-120, 2005.
2. Ralston SL. When is a horse geriatric? *Veterinary Learning Systems, Standards of Care.* 2003.
3. Ralston SL. Diet and health of the older horse. *J. Eq. Vet. Sci.* 23:168, 2003.
4. Ralston, SL, Malinowski K, Christensen R, Breuer L. Digestion in aged horses-revisited. *J. Eq. Vet. Sci.* 21 (7): 310-311, 2001.
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3. Julliand, V, Ralston, SL. The equine gastrointestinal ecosystem: How it works, how it fails and how to feed to prevent problems (in French). Proc. Assoc. Veterinaire Equine du France, Versailles, France, October, 2006.
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3. Renaud J, Ralston S, Pelczer I. NMR-based Metabonomics of Horse Blood Plasma: Carbohydrate Metabolism, Metabolic Disorders and Dietary Effects in Horses. 48th Experimental Nuclear Magnetic Resonance Conference, Daytona Beach, FL, June, 2007.
4. Ralston SL, Anderson H, Johnson R. Growth performance of Draft Cross weanlings fed forage based total mixed ration cubes versus traditional hay/grain rations. Proc. 20th Equine Science Society Symposium, Hunt Valley, MD, (Abstract pp 235-237), June, 2007.
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54. Ralston SL, Isherwood J, Chandler M, Poffenbarger E, Severin G, Olson P. Evaluation of growth rates and cataract formation in orphan puppies fed two milk replacer formulas. Proc. 2nd Int'l Veterinary Perinatology Conference, Cambridge, England, August, 1990.
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60. Sullins KE, Stashak TS, Ralston SL. Experimental large intestinal resection in the horse: technique and nutritional performance. (Proc 31st Ann Meeting, Am Assoc Eq Prac: 497-503), December, 1985.
61. Ralston SL, Jackson SA, Rich GA, Squires EL. Effect of vitamin A supplementation on seminal characteristics and sexual behavior of stallions. (Proc 9th Eq Nutr Physiol Symp. pp. 74-77). May, 1985.
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63. Ralston SL, Shideler RK. Inheritance of umbilical hernias in horses. Proc 10th International Congress on Animal Reproduction and AI: 23, 1984.
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Invited Presentations: National and International Meetings

1. Ralston, SL. When to call a nutritionist. 20 min. Assoc. Veterinaire Equine du France, Versailles, France, October, 2006.
2. Ralston, SL. Feeding Old Horses. 30 min. Assoc. Veterinaire Equine du France, Versailles, France, October, 2006.
3. Julliand, V, Ralston, SL. The equine gastrointestinal ecosystem: How it works, how it fails and how to feed to prevent problems. 60 min. Assoc. Veterinaire Equine du France,

Versailles, France, October, 2006

Invited Presentations: National and International Meetings (Continued)

4. Factors affecting glucose and insulin metabolism in young horses. 30 min. 3rd Equine Nutrition Conference, Hannover, Germany, October, 2005.
5. Nutritional management of horses with pituitary dysfunction. 45 min. MidAtlantic Nutrition Conference, Timonium, MD. March, 2005
6. Equine Clinical Nutrition. 5 hr. University of Minnesota School of Veterinary Medicine Student Chapter of AAEP. St. Paul, MN. October, 2004
7. Impact of Feeds on Glucose and Insulin metabolism in young horses. 45 min. American College Veterinary Internal Medicine Forum, Minneapolis, MN June, 2004.
8. Orthopedic Problems in colts: It's not the protein. 1.5 hr. III South American Veterinary Conference, Rio de Janeiro, Brazil. August, 2003. (in Portuguese).
9. Clinical Nutrition: feeding diseased and post-operative horses. 1.5 hr. III South American Veterinary Conference, Rio de Janeiro, Brazil. August, 2003. (in Portuguese)
10. Nutrition of the Geriatric Horse. 1 hr. Lake Tahoe Equine Veterinary meeting, Lake Tahoe, NV. January, 2003.
11. Management of the geriatric horse. 1 hr. Lake Tahoe Equine Veterinary meeting, Lake Tahoe, NV. January, 2003.
12. Care for the older horse: Diet and Health. 1 hr. 83rd Annual Fall Conference for Veterinarians, Urbana-Champaign, IL. October, 2002.
13. Feeding the Rapidly Growing Foal. 1 hr. 83rd Annual Fall Conference for Veterinarians, Urbana-Champaign, IL. October, 2002.
14. Diagnosis of Nutritional Problems in Horses. 1 hr. 83rd Annual Fall Conference for Veterinarians, Urbana-Champaign, IL. October, 2002.
15. Diet and Behavior in horses. 1 hr. Equine Behavior Short Course, Reno, NV. September, 2002.
16. Management of Transportation stress. 1 hr. Equine Behavior Short Course, Reno, NV. September, 2002.
17. Nutrition for the older horse. 1 hr. Horses 2002 at Cornell, Ithaca, NY. April, 2002. (given twice)

Invited Presentations: National and International Meetings (Continued)

18. Nutrition for the growing horse. 1 hr. Horses 2002 at Cornell, Ithaca, NY. April, 2002.
(given twice)
19. Diagnosis and dietary support of common problems in aged horses. 45 min. Fourth International Conference on Feeding Horses, Dodson and Horrell LTD, Stoneleigh, England, March, 2002,
20. Diagnosis and dietary support of common problems in aged horses. 45 min. Fourth International Conference on Feeding Horses, Dodson and Horrell LTD, Newmarket, England, March, 2002.
21. Diagnosis and dietary support of common problems in aged horses. 45 min. Fourth International Conference on Feeding Horses, Dodson and Horrell LTD, Wetherby, England, March, 2002.
22. The older horse: diet and health care. 45 min. Fourth International Conference on Feeding Horses, Dodson and Horrell LTD, Stoneleigh, England, March, 2002.
23. The older horse: diet and health care. 45 min. Fourth International Conference on Feeding Horses, Dodson and Horrell LTD, Newmarket, England, March, 2002.
24. The older horse: diet and health care. 45 min. Fourth International Conference on Feeding Horses, Dodson and Horrell LTD, Wetherby, England, March, 2002.
25. Feeding for performance-avoiding metabolic disasters. 3 hrs. Ordre Des Medecins Veterinaires Du Quebec Annual Meeting, Quebec, Canada. October, 2001.
26. Feeding performance horses: preventing nutritional disasters. 60 min. DLT Smith Distinguished Lecturer Series, University of Saskatchewan, Saskatoon, Canada. April, 2001.
27. Geriatric Nutrition. 90 min. American Association of Equine Practitioners Annual Meeting. San Antonio, TX, Nov, 2000.
28. Feeding the rapidly growing foal: Myths and Facts. 45 min. Wild West Veterinary Conference, Reno, NV. October, 2000.
29. Diagnosis of nutritional problems in horses. 45 min. Wild West Veterinary Conference, Reno, NV. October, 2000.
30. Nutrition of performance horses on the day of competition. 45 min. Wild West Veterinary Conference, Reno, NV. October, 2000.

Invited Presentations: National and International Meetings (Continued)

31. Influence of dental correction on digestion. 45 min. Convention of the Swiss Veterinary Association 2000, Lucerne, Switzerland, May, 2000.
32. Feeding of the geriatric horse. 45 min. Convention of the Swiss Veterinary Association 2000, Lucerne, Switzerland, May, 2000.
33. Feeding Clinically Ill Horses. 45 min. Convention of the Swiss Veterinary Association 2000, Lucerne, Switzerland, May, 2000.
34. Dietary management of growing horses. 30 min. Convention of the Swiss Veterinary Association 2000, Lucerne, Switzerland, May, 2000.
35. Nutrição do cavalo idoso. 1 hr. II Encontro Internacional da Sociedade Brasileiro de Hipologia. Pirassununga, São Paulo, Brazil. (in Portuguese), January, 2000.
36. Nutrição de pôtros. 1.5 hrs. II Encontro Internacional da Sociedade Brasileiro de Hipologia. Pirassununga, São Paulo, Brazil. (in Portuguese) January, 2000.
37. Manejo de cavalos em competição. 1.5 hrs. II Encontro Internacional da Sociedade Brasileiro de Hipologia. Pirassununga, São Paulo, Brazil. (in Portuguese), January, 2000.
38. Alimentação do cavalo doente. 1.5 hrs. II Encontro Internacional da Sociedade Brasileiro de Hipologia. Pirassununga, São Paulo, Brazil. (in Portuguese), January, 2000.
39. Nutritional Management of post surgical horses, Part 1. 30 min. 1999 American Veterinary Medical Association Annual Conference, New Orleans, LA. July, 1999.
40. Geriatric Horse Nutrition: Feeding the old grey mare. 1 hr. Kentucky Equine Research 9th Annual Equine Nutrition Conference, Lexington, KY. April, 1999.
41. Glucose intolerance and DOD in foals: A connection? 1 hr. Kentucky Equine Research 9th Annual Equine Nutrition Conference, Lexington, KY. April, 1999.
42. Intestinal function of the older horse. 30 min. 37th British Equine Veterinary Association Congress. Birmingham, England. September, 1998.
43. Veterinary care of the older horse-what should we be trying to do? 30 min. 37th British Equine Veterinary Association Congress. Birmingham, England. September, 1998.
44. Nutrition of horses with respiratory disease. 45 min. World Equine Airways Symposium. Guelph, Canada. August, 1998.
45. Nutritional management of developmental orthopedic disease (DOD) in foals. 50 min.

90th Annual Conference For Veterinarians, Cornell University, Ithaca, NY. March, 1998.

Invited Presentations: National and International Meetings (Continued)

46. Nutritional management of performance horses during competition. 50 min. 90th Annual Conference For Veterinarians, Cornell University, Ithaca, NY. March, 1998.
47. Nutritional management of clinically ill horses. 50 min. 90th Annual Conference For Veterinarians, Cornell University, Ithaca, NY. March, 1998.
48. Diagnosis of nutritional problems in horses. 40 min. 1998 North American Veterinary Conference, Orlando, FL. January, 1998.
49. How I treat weight loss in geriatric horses. 20 min. 1998 North American Veterinary Conference, Orlando, FL. January, 1998.
50. How I treat horses with special nutritional requirements. 20 min. 1998 North American Veterinary Conference, Orlando, FL. January, 1998.
51. Nutrition for the clinically ill horse. 90 min. American Veterinary Medical Association 134th Annual Meeting, Reno, NV, July, 1997.
52. Nutrition for the growing horse. 90 min. American Veterinary Medical Association 134th Annual Meeting, Reno, NV, July, 1997.
53. Feeding the rapidly growing foal. 90 min. American Veterinary Medical Association 134th Annual Meeting, Reno, NV, July, 1997.
54. Growing animal nutrition Q&A. 90 min. American Veterinary Medical Association 134th Annual Meeting, Reno, NV, July, 1997.
55. Nutrition of performance horses on the day of competition. 2 hr. Simpósio Internacional do Cavalo de Esporte. Centro de Extensão da Escola Veterinária da Universidade Federal de Minas Gerais, Belo Horizonte, Minas Gerais, Brazil, March, 1997, (In Portuguese).
56. Curso de Nutrição Clínica de Equinos. 20 hr. Centro de Extensão da Escola Veterinária da Universidade Federal de Minas Gerais, Belo Horizonte, Minas Gerais, Brazil, March, 1997, (In Portuguese).
57. Recent advances in equine nutrition and osteochondrosis. 2 hr. Eskilstuna, Stromsholm, Sweden, January, 1997.
58. Hyperglycemia/hyperinsulinemia after feeding a meal of grain to young horses with

- osteocondritis dissecans (OCD) lesions. 1 hr. 2nd European Conference on Horse Nutrition, Celle, Germany, May, 1996.
59. Equine Nutrition. 1 day (8 hr) seminar. Universidade de São Paulo and Confederação Brasileira de Hipismo. (in Portuguese) Sponsored by Guabi, Inc. and Glícopan. August, 1995.
60. Metabolic and nutritional causes of osteochondritis dissecans. 45 min. Ann. Meeting, American College of Veterinary Nutrition, Pittsburgh, Pa. July, 1995.
61. Geriatric horse nutrition. 1 hr. American Veterinary Medical Association Annual Meeting. Pittsburgh, Pa. July, 1995.
62. Correlations between ration and performance in three day event horses: 1992-1993 Essex data. 30 min. FEI/Samsung International Equine Sports Medicine Conference: Progress Toward Atlanta '96. Atlanta, GA, 1994.
63. Effect of diet on acid base status and mineral balance in horses. 1 hr. American College of Veterinary Internal Medicine 11th Annual Forum, Washington, DC. May, 1993.
64. Nutrition of 3-Day Event Horses. 1 hr. 2nd Annual Seminar on Combined Training Events, American Committee on the Olympic Games and Federation Equestre Internationale. Atlanta, GA, April, 1993.
65. Therapeutic Nutrition for Specific Syndromes. 1 hr. Am Assoc Eq Prac. Orlando, Florida, December, 1992.
66. Regulation of feed intake in the horse in relation to gastrointestinal disease. 40 min. Keynote address, First European Conference on Horse Nutrition, Hannover, Germany, September, 1992.
67. Parasitism and nutrition in horses. 1 hr. Sao Paulo Jockey Club, São Paulo, Brazil. August, 1991. (in Portuguese) Sponsored by MSD-Agvet.
68. Feeding for Breeding. 1 hr. Theriogenology Society, Toronto, Canada, May, 1990.
69. Equine Nutrition. 8 hr. Wyoming Veterinary Medical Association, Casper, WY. June, 1990.
70. Effect of diet on mineral content of mare's milk. 30 min. Am Acad Vet Nutrition, Am Vet Med Assoc. San Antonio, July, 1990.
71. Performance Horse Nutrition. 1 hr. Italian Assoc Eq Prac, Int'l Conference in Rome. Sponsored by MSD-AgVet. March, 1990.

Invited Presentations: National and International Meetings (Continued)

72. Equine Clinical Nutrition. 1 hr. Am Coll Vet Internal Med, 7th Annual Forum. Washington, DC. May, 1988.
73. Dog and cat clinical nutrition. 6 hrs. Golden Triangle Veterinary Group, Kitchener, Canada. May, 1988.
74. Equine nutrition. 4 hrs. Universidade Federal de Botucatu, São Paulo, Brazil. July, 1987 (in Portuguese).
75. Equine nutrition. 16 hrs. Universidade Federal de Uberlândia, Minas Gerais, Brazil, (Partners of the Americas Program). July, 1987 (in Portuguese).
76. Dog and cat clinical nutrition. 8 hrs. Universidade Federal de Uberlândia, Minas Gerais, Brazil (Partners of the Americas Program), July, 1987 (in Portuguese).
77. Nutritional diseases in horses. 90 min. 58th Western Vet Conf., Las Vegas, NV. February, 1986.
78. Feeding the sick horse. 50 min. 58th Western Vet Conf., Las Vegas, NV. February, 1986.
79. Nutritional management of the cancer patient. 1 hr. 10th Kal Kan Symposium for the Treatment of Small Animal diseases (Oncology), Columbus, Ohio. May, 1986.
80. Equine Clinical Nutrition: Problems and solutions. 3 hrs. Am Vet Med Assoc., Las Vegas. July, 1985.
81. Dietary management of chronic cardiac disease. 1 hr. 9th Kal Kan Symposium for Treatment of Small Animal Diseases, Columbus, Ohio. May, 1985.
82. Controls of feeding in horses. 1 hr. Symposium on the control of feeding in farm animals. 75th Meeting Am Soc Anim Sci, Pullman, WA. July, 1983.
83. Feed intake patterns and associated blood glucose, free fatty acid and insulin changes in ponies. 30 min. Eastern Psychological Association, Philadelphia, PA. April, 1979.

Tapes and audiovisual programs

1. Intestinal Function of the Older Horse. 30 min. QED Recording Services LTD, Herts, England for the British Equine Veterinary Association Annual Conference series, 1998.

Tapes and audiovisual programs (continued)

2. Veterinary Care of the Older Horse-What Should We Be Trying To Do? 30 min.QED Recording Services LTD, Herts, England for the British Equine Veterinary Association Annual Conference series, 1998.
3. Nutrition for the Growing Horse. 90 min. Insta-tape Corp. AVA-971C: #132, 1997.
4. Nutrition for the Clinically Ill Horse. 90 min. Insta-tape Corp. AVA-971C: #133, 1997.
5. Stress Management for Horses and Competitors. 1 hr. Headstart for Driving, Hunterdon County Horse and Pony Association. 1995.
6. Therapeutic Nutrition for Specific Syndromes. 1 hr. Proceedings of Am Assoc Eq Pract, 1992. Insta-Tape Corp., selected as "Tape of the Month", January, 1993.
7. Basic Nutrition of Dogs and Cats, Ralston Purina Co. 1990. 41:25 min.
8. Feeding the sick horse. 1 hr. Intermountain Veterinary Medical Association tape, 1986 Western States Conference, #55-14.
9. Nutritional diseases in horses. 1 hr. Intermountain Veterinary Medical Association tape, 1986 Western States Conference, #55-14.

SERVICE **National**

Equine Science Society (Formerly ENPS) Board of Directors, 2003-present.

Equine Nutrition and Physiology Society, Chairman of Nutrition Section, 1988-1989, Graduate Awards Committee, 1990-1991, Publicity committee, 1994-2003.

American Society of Animal Science, Horse Livestock Committee, 2004-2007
Horse Livestock Committee. 1990-1993.

American College of Veterinary Nutrition. American Board of Veterinary Specialties representative, 1999-2005, Core Curriculum Study group 1993-present. Chairman, 1998-1999, President, 1997-1998, President-Elect 1996-1997, Vice President 1995-1996. Chair, Scientific Program Committee, 1996-1997, Credentials Committee 1989-1993, 1995-1996. Member at Large 1993-1995.

Journal of Equine Veterinary Science Advisory Board. 2000-present.

American Journal of Veterinary Research. Board of Scientific Reviewers. 1999-2000

National Service (continued)

American Board of Veterinary Specialties, AVMA. Member, 1999-2005, Annual Report Review Committee (ARRC), 2001-2003. Chair, ARRC, 2002-2003. Ad-hoc review committee 2004-2005. Nominating Committee 2003-2004

American Academy of Veterinary Nutrition: Program Director, Western Veterinary Conference, 1986, 1987; Constitution Committee, 1985-1986.

North Central Region Group - 136, "Equine Research", New Jersey Agricultural Experiment Station Representative, 1989 to 1995. Secretary 1988-1989, 1991-1992, Chairman 1989-1990, 1992-1993.

State Service

New Jersey Veterinary Medical Education Advisory Committee, 1995-present, Chair, 2005-present.

New Jersey Department of Agriculture. Pseudorabies Committee. 1990-2000.

New Jersey Department of Higher Education. Veterinary Medical Education Committee. 1989-1995.

Governor's Summit on Food and Agriculture, December, 1995.

University Service

Grievance committee for Sharon Blasé, 2005-2006

Faculty Advisor, Rutgers Equestrian Team. 1990-1999.

Biological Sciences Area Committee, Graduate School-New Brunswick. 1998-2000.

Rutgers University Library Committee. 1992-1996.

Cook/NJAES

Freshman Advisor, 2003-present

Faculty advisor, Rutgers University Mounted Patrol. 2003-present

Faculty Advisor, Equine Science Club, 2002-present.

Faculty Advisor, Cook College PreVeterinary Club, 1990-present.

Agricultural Animal Care Advisory Committee, 1990-present.

Affirmative Action and Equal Opportunity Committee, 2001-2003.

Cook College Council. 1996-1997, 1998-1999.

Cook College Financial Aid Committee. 1993-1997.

NJAES 4-H Animal Science Committee, 1995-present.

Foran Library Committee. 1994.

New Jersey Agricultural Experiment Station, Animal Science Working Group. 1990.

SERVICE Department

Animal Care committee, 2003-present

Peer Evaluation Committee, 2002, 2004

Committee on Equine Teaching, Research and Extension, 1990-present.

Animal Science Safety Committee, 1994 - present.

CONTINUING EDUCATION AND OUTREACH ACTIVITIES

Cooperative Extension Fact Sheets

- Ralston, SL, Williams, C. Metabolic Problems in the Horse: Sorting out the Diagnosis FS#1067, 2007.
- Ralston, SL, Wright, B. Fourrages de remplacement pour chevaux. Ontario Ministere de L'agriculture, Commande #05-056, 2005.
- Ralston, SL Maintenance of the "easy keeper" horse. FS#799, 2001.
- Ralston, SL Care for the older horse: Diet and health. FS#759, 2001.
- Ralston, SL and Wright, B. Forage Substitutes for horses. Ontario Ministry of Agriculture, Food and Rural Affairs. September, 2000.
- Ralston, SL Odd Things that Horses Eat. FS# 062, 2000.
- Ralston, SL Alternate Sources of Roughage for horses. FS# 073, 2000.
- Ralston, SL Feeding Horses for Competitions: From Racing to Dressage. FS# 934, 1998.
- Ralston, SL Diagnosis of Nutritional Problems in Horses. FS# 894, 1998.
- Ralston, SL Feeding Rapidly Growing Foals. FS# 895, 1998.
- Ralston, SL Performance Horse Nutrition. FS# 752, 1994.
- Ralston, SL Management of Old Horses. FS# 715, 1993.
- Ralston, SL Analysis of Feeds and Forages for Horses. FS# 714, 1993.

Regional Veterinary/Professional Presentations (1989 to date)

1. Carbohydrate, Protein and Fat Digestion in Horses. 30 min. Pennsylvania Veterinary Medical Association Annual meeting, Hershey, PA, August, 2006.
2. Feeding Growing Foals: It's not the protein! 30 min. Pennsylvania Veterinary Medical Association Annual meeting, Hershey, PA, August, 2006.
3. Feeding Diseased and Post- Operative Horses. 30 min. Pennsylvania Veterinary Medical Association Annual meeting, Hershey, PA, August, 2006.
4. Equine Clinical nutrition. 30 min. University of Pennsylvania, School of Veterinary Medicine, Kennett Square, PA. July, 2006.
5. Equine Clinical Nutrition. 2 hrs. Cornell School of Veterinary Medicine, Ithaca, NY. March, 2006.
6. Basic Equine Nutrition. 2 hrs. Midatlantic Equine Medical Center, March, 2006.

Regional Veterinary/Professional Presentations (1989 to date) (continued)

8. Equine Clinical Nutrition. 2 hrs. Midatlantic Equine Medical Center, March, 2006.
9. Impact of Feeds on Glucose and Insulin Metabolism in Horses. 30 min. Hudson

- Valley Chapter of the New York Veterinary Medical Association, Poughkeepsie, NY.
Feb. 2005.
10. Forages For Horses: Nutritional and Metabolic Concerns. 1 hr. Forage For Horses: Risks and Rewards Conference and Summit. New Brunswick, NJ. Oct, 2004.
 11. Nutritional concerns in distance riding-to supplement or not. 1 hr. Eastern Competitive Trail Riding Association Annual Meeting, Harrisburg, PA, February, 2003.
 12. Nutritional Management of the Mare and Foal: To Creep or not to Creep. 30 min. Raising a Sound Horse Seminar, Hilltop Farm, Colora, MD. November, 2002.
 13. Identifying the high risk foal: Feeding rapidly growing foal. 60 min. Raising a Sound Horse Seminar, Hilltop Farm, Colora, MD. November, 2002.
 14. Feeding the young performance horse. 60 min. Raising a Sound Horse Seminar, Hilltop Farm, Colora, MD. November, 2002.
 15. Horse Management Web course. 45 min. Animal Science Education Consortium, New Brunswick, NJ, with Mary Beth Gordon. August, 2002.
 16. Rutgers Equine Science Center Research Update. 30 min. NJ Association of Equine Practitioners, Jamesburg, NJ. June, 2002.
 17. Rutgers Research Update. 60 min. Nutrena Regional Training Workshop, Scranton, PA. January, 2001.
 18. Osteochondritis dissecans: not just a “pushing growth” problem. 75 min. 99th Penn Annual Conference for Veterinarians. Philadelphia, PA. January, 1999.
 19. Nutritional management of performance horses. 60 min. 99th Penn Annual Conference for Veterinarians. Philadelphia, PA. January, 1999.
 20. Feeding clinically ill horses: when and how to supplement. 75 min. 99th Penn Annual Conference for Veterinarians. Philadelphia, PA. January, 1999.
 21. Nutritional management of horses that can’t or won’t eat: options and cautions. 75 min. 99th Penn Annual Conference for Veterinarians. Philadelphia, PA. January, 1999.
 22. Nutritional aspects of metabolic disease in equine athletes. 2 hrs. FEI Course for Three Day Event, Show Jumping and Dressage Veterinarians. Canadian Equestrian Federation, Bromont, Canada, June, 1998.

Regional Veterinary/Professional Presentations (1989 to date) (continued)

23. Nutrition of the performance Horse. 1.5 hrs. 112th Annual Winter Meeting, Maryland Veterinary Medical Association, Ellicott City, MD, November, 1997.
24. Clinical nutrition for clinically ill horses. 1.5 hrs. 112th Annual Winter Meeting, Maryland Veterinary Medical Association, Ellicott City, MD, November, 1997.
25. Diet and dental interactions in the horse. 1 hr. 11th Annual Conference on Equine Dentistry, International Association of Equine Dental Technicians, Concordeville, PA September, 1997.
26. Equine Clinical Nutrition. 2 hr. Large Animal Block (3rd year veterinary students), New Bolton Center, University of Pennsylvania, Kennett Square, PA. January, 1994-1997.
27. Nutrition of very young and very old horses. 1 hr. Hudson Valley Veterinary Association, Millbrook, New York. February, 1997.
28. Recent advances in OCD prevention. 1 hr. Resident's Seminar, New Bolton Center, University of Pennsylvania, Kennett Square, PA. January, 1997.
29. Equine Nutrition. 2 hr. Core Nutrition course, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, PA. April, 1997.
30. Effect of diet on acid/base status and mineral metabolism in horses. 1 hr. Resident's Seminar, New Bolton Center, University of Pennsylvania, Kennett Square, PA. February, 1994.
31. Clinical Nutrition. 1 hr. 2nd Annual Pet Seminar, Cook College, New Brunswick, NJ. April, 1992.
32. Orphan Puppy Feeding and Care. 1.5 hr. Western Pennsylvania Veterinary Association, Erie, PA. January, 1992.
33. Equine Nutrition. 2 hr. New Jersey Association of Equine Practitioners, New Brunswick, NJ. February, 1991.
34. To supplement or not to supplement and with what? 1 hr. Am Soc Anim Sci, Laramie, WY. August, 1991.
35. Equine Nutrition. 4 hr. Maryland Veterinary Medical Association, Ocean City, MD. June, 1990.
36. Feeding Clinically Ill Animals. 1 hr. Northern Jersey Veterinary Association, Hackettstown, NJ. March, 1990.

Extension Presentations (1989 to date)

1. Feeding Growing Horses. 60 min. Wessel Equine Associates, Bangor, PA. May 12, 2007.
2. Performance Horse Nutrition. 60 min. Wessel Equine Associates, Bangor, PA. May 12, 2007.
3. Geriatric Horse Management. 60 min. Wessel Equine Associates, Bangor, PA. May 12, 2007.
4. Science based feeding of the growing horse. 60 min. Horses 2007, New Brunswick, NJ, April 1, 2007.
5. Nutrition 101: Feeding the Easy Keeper. 30 min. Horses 2007, New Brunswick, NJ, May 30, 2007.
6. Weanling/Yearling Growth on TMR cubes versus Standard Hay/Concentrate rations. 60 min. Horseman's Seminar, Cokato, MN July, 2006.
7. Laminitis. 60 min. Weymouth Horse Owners Assoc. Mays Landing, NJ. Nov, 2006.
8. Facts about Myths in Horse Nutrition. 60 min. Hunterdon County Horse Expo, Ringoes, NJ , May, 2006.
9. Facts about Myths in Horse Nutrition. 60 m in. Borderland Farm, Vernon, NJ. May, 2006.
10. The Path to Veterinary School. 60 min. New Brunswick Health Technology High School, New Brunswick, NJ. April, 2006.
11. Feeding Foals. 30 min. Annual Horse Management Seminar, New Brunswick, NJ. February, 2006.
12. Nutritional Insights from the Young Horse Research and Teaching Program 2004-2005. 15 min. Equine Science Center Update, New Brunswick, NJ, December, 2005
14. The Path to Veterinary School. 60 min. New Brunswick Health Technology High School, New Brunswick, NJ. May, 2005.

Extension Presentations (1989 to date) (Continued)

15. Pastures and forages for horses. 60 min. Garden State Horse and Carriage Assoc, Jackson, NJ, April, 2005
16. Glucose Tolerance and Insulin Resistance. 45 min. NJ Horseman's Seminar, Phillipsburg, NJ, Feb, 2005.
17. Basic Horse Nutrition. 1 hr. Nutrena forum. Bridgeport, NJ, March, 2004.
18. Basic Horse Nutrition. 1 hr. Nutrena Forum. Clinton, NJ, March, 2004.
19. Management and Care of Geriatric Horses. 2 hr. Huber Woods Horsemen Assoc., Huber Woods, NJ, September, 2003.
20. Basic Horse Nutrition. 1 hr. Horses 2003 Conference. New Brunswick, NJ, March, 2003.
21. Performance Horse Nutrition. 1 hr. Horses 2003 Conference. New Brunswick, NJ, March, 2003.
22. Destress for rider and driver. 1 hr. Headstart for Driving, Gladstone, NJ March, 2003.
23. Nutrition of horses on pasture. 1 hr. NJAES Pasture Management Seminar, Millstone, NJ, August, 2002.
24. Supplements for horses. 2 hr. Heatherwood Farm Lecture Series, Millstone, NJ, August, 2002.
25. Body Condition Scoring Equine Athletes. 1 hr. Weidel's Boxwood Farm Clinic, Pennington, NJ, June, 2002
26. Nutritional recommendations for aged horses. 1 hr. Rutgers Annual Horse Management Seminar, New Brunswick, NJ. February, 2001.
27. Horse nutrition. 1 hr. Long Street Farm, Holmdel, NJ. January, 2001.
28. Maintenance of the "easy keeper". 1 hr. 5th Horse World Expo, Timonium, MD. January, 2001.
29. Care for the older horse. 1 hr. 5th Horse World Expo., Timonium, MD. January, 2001.
30. Winter care for horses. 1 hr. Ocean County 4-H, Toms River, NJ, January, 2001.

Extension Presentations (1989 to date) (Continued)

31. Special nutrition for draft horses and ponies. 2 hr. Somerset Horse and Pony Association. Rutgers University, New Brunswick, NJ. October, 2000.
32. Feeding performance horses. 2 hr. University of New Hampshire Lecture series, University of New Hampshire, October, 2000.
33. Horse Behavior. 1.5 hr. Somerset Horse and Pony Association, Somerset, NJ. August, 2000.
34. Horse Nutrition. 1.5 hr. Oxbow Stables, Hamburg, NJ. May, 1999.
35. Feeding the geriatric horse. 40 min. Purina Mills Nutrition Seminar. Allentown, NJ. March, 1999.
36. Feeding the older horse. 1.5 hr. PA State 4-H Forum. State College, PA. March, 1999.
37. Feeding on the day of Performance. 1.5 hr. PA State 4-H Forum. State College, PA. March, 1999.
38. Odd things horses eat. 1.5 hr. Somerset Horse and Pony Association, Flemington, NJ. February, 1999.
39. Feeding horses for athletic performance. 2 hr. Lucky Star Farm, Farmingdale, NJ. February, 1999.
40. Nutritional management of performance horses. 1.5 h. Delaware Horsemen. Dover, DE. January, 1999.
41. Feeding endurance horses: basic nutrition and on day of competition. 2.5 h. Eastern Competitive Trail Riding Association Annual Conference. Reading, PA. February, 1998.
42. The hows and whys of supplements. 1 hr. Camp Happy Rock Adult Dressage Camp. Gladstone, NJ. June, 1997.
43. Feeding the horse before, during and after competitions. 1.5hr. Garden State Horse and Carriage Association. Clarksburg, NJ. June, 1997.
44. Feeding pleasure horses. 1 hr. Ocean County 4-H, Toms River, NJ March, 1997.
45. Feeding performance horses. 1.5 hr. Lucky Star Farm, Howell, NJ. February, 1997.
46. Clinical Nutrition. 1 hr. Cook College Equine Seminar. New Brunswick, NJ.

February, 1997.

Extension Presentations (1989 to date) (Continued)

47. Why horses behave/misbehave the way they do. 1.5 hr. Friends of Lord Stirling Stables, Basking Ridge, NJ. September, 1996.
48. How to TPR horses. 1 hr. Gladstone Equestrian Association, New Brunswick, NJ. April, 1996.
49. Geriatric Horse Nutrition. 1 hr. Purina Equine Nutrition Seminar, Sargentsville, NJ. March, 1996.
50. Feeding Performance Horses in Hot Climates. 30 min. Cook College Horse Seminar, New Brunswick, NJ. March, 1996.
51. Young Horse Nutrition. 30 min. Horse Owners Symposium, Sussex County Soil Conservation District, Newton, NJ. February, 1996.
52. Practical Feeding Management. 1 hr. Maryland Pleasure Horse Program, Carrol County Extension, Winfield, MD. February, 1996.
53. Care and Feeding of the Geriatric Horse. 1 hr. Maryland Pleasure Horse Program, Carrol County Extension, Winfield, MD. February, 1996.
54. How to Body Condition Score Horses. 1 hr. Maryland Pleasure Horse Program, Carrol County Extension, Winfield, MD. February, 1996.
55. Nutrition for the Dressage and Combined Training Horse. 1.5 hr. Eastern States Dressage and Combined Training Association Mini-Lecture Series, Gladstone, NJ, February, 1996.
56. Fact or fiction in Equine Nutrition. 1 hr. Purina Equine Nutrition Seminar. Freehold, NJ. April, 1995.
57. OCD and the young, growing horse. 1 hr. Rutgers Cooperative Extension Horse Management Seminar. New Brunswick, NJ. March, 1995.
58. Stress management for Horses and Competitors. 1 hr. Headstart for Driving, Gladstone, NJ. March, 1995.
59. Geriatric Nutrition. 1 hr. Region 15 Arabian Horse Association, Dover, MD. March, 1995.
60. Geriatric Horse Management. 1.5 hr. Burlington County 4-H, Mt. Holly, NJ. March, 1995.

Extension Presentations (1989 to date) (Continued)

61. Horse Nutrition and Research at Rutgers University. 2.5 hrs. Colts Neck Trail Riders. New Brunswick, NJ, February, 1995.
62. Feeding Performance Horses. 1 hr. Eastern States Combined Training Association, New Brunswick, NJ. February, 1995.
63. Evaluating Feeds. 1 hr. 1995 EQEXPO, Fort Washington, PA. February, 1995.
64. Feeding the Young Horse. 1 hr. 1995 EQEXPO, Fort Washington, PA. February, 1995.
65. Feeding Performance Horses. 2 hr. Dr. Dan Keenan Veterinary Clinic Seminar, Bordentown, NJ. Dec, 1994.
66. Horse Nutrition. 5 hr. Hurtgen/Wisner Veterinary Clinic Seminar. New Freedom, Pa. October, 1994.
67. Temperature, pulse and respiration clinic. 1 hr. Somerset Horse and Pony Association. Gladstone, NJ, September, 1994.
68. Geriatric Nutrition. 1 hr. Crabbett Arabian Horse Symposium, Wakefield VA. September, 1994.
69. Equine Research at Cook College. 1 hr. Somerset Horse and Pony Association, New Brunswick, NJ. August, 1994.
70. Equine Nutrition research update. 15 min. Cook College Equine Research Update, New Brunswick, NJ. June, 1994.
71. Puppy Nutrition. 1 hr. Garden State Golden Retriever Club, Clark, NJ. 1994.
72. Conditioning the Equine Athlete: Preparation for the '96 Olympics. 30 min. Ann. Horse Management Seminar, New Brunswick, NJ. March, 1994.
73. Media Pitfalls. 1 hr. Ann. Horse Management Seminar. New Brunswick, NJ. March, 1994.
74. Management of Old Horses. 1 hr. 1994 Horse Expo. Fort Valley, PA. January, 1994.
75. Conditioning the Equine Athlete. 1 hr. 1994 Horse Expo. Fort Valley, PA. January, 1994.

Extension Presentations (1989 to date) (Continued)

76. Feeding Rapidly Growing Foals. 1 hr. 1994 Horse Expo. Fort Valley, PA. January, 1994.
77. Nutrition of Performance Horses and Broodmares. 1 hr. North Jersey Thoroughbred Association, Sparta, NJ. October, 1993.
78. Nutrition of Driving Horses. 1 1/2 hrs. Garden State Horse and Carriage Society, Hail, NJ. August, 1993.
79. Nutrition of 3 day event horses. 1 hr. Essex Horse Trial Seminar, Gladstone, NJ. May, 1993.
80. Equine Research and Teaching at Cook College. 1 hr. NJ Morgan Horse Assoc., New Brunswick, NJ. April, 1993.
81. Nutrition and Conditioning. 1 hr. Hunterdon County Horse and Pony Assoc. Pottersville, NJ. March, 1993.
82. Therapeutic Nutrition. 2 hr. Purina Mills Representative Training Seminar. Ellicott City, MD. March, 1993.
83. The effects of high vs. low grain diets (does my horse need grain). 30 min. Region 15 Mini Convention, Int'l Arabian Horse Soc., Ellicott City, MD. March, 1992.
84. Horse Nutrition and Feed Management: II. 2 hr. Martha's Vineyard Horse Owners, Martha's Vineyard, MA. December, 1992.
85. Common Errors in Horse Nutrition. 2 hr. 1992 Horse Expo. Penn State Cooperative Extension, Bethlehem, PA. October, 1992.
86. Basic Horse Nutrition and Feed Management. 2 hr. Martha's Vineyard Horse Owners, Martha's Vineyard, MA. May, 1992.
87. Careers in Veterinary Medicine. 2 hr. Abraham Clark High School, Roselle, NJ. May, 1992.
88. Reading Pet Food Labels. 1 hr. 2nd Annual Pet Seminar, Cook College, New Brunswick, NJ. April, 1991.
89. Transportation Stress. 1 hr. Garden State Horse and Carriage Club, Clarksburg, NJ. January, 1992.
90. Geriatric Horse Management. 2 hr. New Jersey - Pennsylvania. Equine

Seminar, Hunterdon, NJ. October, 1991.

Extension Presentations (1989 to date) (Continued)

91. Feeding Performance Horses. 1 hr. New Jersey Driving Club, Hail, NJ. May, 1991.
92. Feeding the Old Grey Mare. 1 hr. Sussex County Cooperative Extension, Andover, NJ. April, 1991.
93. When to Supplement and With What. 1.5 hr. Central Jersey Horsemen, Hail, NJ. October, 1991.
94. Geriatric Horse Nutrition. 1 hr. Southwestern Pennsylvania Equine Symposium, Pittsburgh, PA. March, 1991.
95. Performance Horse Nutrition. 1 1/2 hr. Rutgers Cooperative Extension, Mt. Holly, NJ. February, 1991.
96. Myths and Facts About Horse Nutrition. 3 hr. Eastern Competitive Trail Horse Riding Assoc. Annual Awards, Reading, PA. February, 1991.
97. Performance Horse Nutrition. 1.5 hr. Ocean County Extension Seminar, Wall, NJ. May, 1990.
98. Performance Horse Nutrition. 1.5 hr. Central Jersey Horseman's Assoc, Wall, NJ. April, 1990.
99. Veterinary Careers in Academia. 1 hr. University of Pennsylvania, Philadelphia, PA. March, 1990.
100. Contemporary Equine Health Problems. 1 hr. NJ/PA Equine Short Course, Annandale, NJ and Kulpville, PA. November, 1989.
101. Basic and Advanced Equine Nutrition. 2 hr. Equine Seminar, University of Maryland Cooperative Extension, Frederick, MD. November, 1989.
102. Nutrition. 1.5. Horse Abuse Investigators Seminar, Bridgewater, NJ. September, 1989.
103. Dog and Cat Nutrition. 20 hr. Ralston Purina Co. Representative Training School, Keystone, CO. August, 1989.

Non-Refereed Popular Press (1989 - to date)

1. Ralston, SL. Beet Pulp Feeding. Equus 343 (May): 46, 2006

2. Ralston, SL. Feeding Older Horses. Dressage Today, May, 2006: 93, 2006

Non-Refereed Popular Press (1989 - to date) (continued)

3. Ralston, SL and Barakat, C. How to feed for healthy young bones. Equus 328 (February): 42-48, 2005.
4. Ralston, SL. Feeding Cushingnoid Horses. The Horse, October, pg. 90, 2004.
5. Ralston, SL. Are grass clippings toxic to horses? The Horse, May, pg. 136, 2004
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Professional Society Memberships

American College of Veterinary Nutrition (ACVN)
American Academy of Veterinary Nutrition (AAVN)
American Veterinary Medical Association (AVMA)
American Association of Equine Practitioners (AAEP)
New Jersey Association of Equine Practitioners (NJAEP)
New Jersey Veterinary Medical Association (NJVMA)
Equine Science Society (ENPS)
American Society of Animal Science (ASAS)

Other Interests and Activities

Allaire Trail Users Group. 2003-present
Pathfinders, Jackson Township Committee, Corresponding Secretary, 1999-2005
American Endurance Ride Council Certified Veterinary Judge, 2006-present

New Jersey Trail Riders Association. 1997-present
Eastern Competitive Trail Ride Association Certified Judge. 1990-2003, 2006-present
American Endurance Ride Council - Veterinary Member. 1985-present
Colts Neck Trail Riders Association. 1994-present
Hunterdon County Horse and Pony Association. 1993-present
Somerset County Horse and Pony Association. 1993-present
Friends of Rutgers University Equine Research, Inc. Secretary, 1993 – 2005
SPUR: Special People United to Ride, Board of Directors,
Monmouth County. 1995-1997.
Gladstone Equestrian Association. Board of Directors, 1996.
Manager, Horsetooth Mountain Endurance Ride, Ft. Collins, CO, 1985-1988.