

CURRICULUM VITAE

Robert J. Silver, DVM, MS

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EDUCATION

Doctor, Veterinary Medicine (D.V.M.)
Colorado State University,
Fort Collins, Colorado
1982

Master of Science (M.S.)
Department of Physiology
Colorado State University,
Fort Collins, Colorado
1976

Bachelor of Science (B.S.)
Department of Animal Science
Colorado State University,
Fort Collins, Colorado
1974 *cum laud.*

PROFESSIONAL EMPLOYMENT

Veterinary Medical Consultant
Natures' Variety Natural Pet Foods
Lincoln, NE www.NaturesVariety.com
August 2005 to present

Chief Medical Officer and Formulator
RxVitamins for Pets www.NaturalDVM.com
Larchmont, NY
June 1996 to present

Owner, Veterinarian, and Director of Medical Services
Boulder's Natural Animal: An Integrative Wellness Center, PC www.BouldersNaturalAnimal.com
June 1993 to present

Integrative Veterinary Medical Practice and Wellness Center:

Acupuncture, herbal medicine, Clinical nutrition

integrated with conventional Veterinary medicine, surgery; also offering retail sales of health supplements and educational services in the form of classes.

Boulder, CO

Sole Proprietor: Private Practice
Jan. 1984-June 1993
Veterinary Medicine, Surgery and Dentistry
Community Animal Clinic,
Colorado Springs, CO.

Research Associate
Nov. 1988
Bard-EMS Embolization Study
Department of Surgery

School of Medicine
University of Colorado
Denver, CO.

Instructor: Animal Health Technology

Nov.1982-Dec.1983
Colorado Mountain College
Glenwood Springs, Colorado

Contract Veterinarian

Jan.1982-Oct.1982
Brighton Animal Clinic/Brighton, CO.
Belcaro Animal Hospital/Denver, CO.
Columbine Animal Hospital/Littleton, CO.
Marshall Road Animal Hosp./Boulder, CO.
Morrison Veterinary Clinic/Morrison, CO.
Woodlake Veterinary Clinic/Lakewood, CO.
Woodlawn Veterinary Clinic/Littleton, CO.

Surgical Researcher

Jan.1979-May 1979
Myocardial Infarction Study
Department of Physiology
Colorado State University
Fort Collins, Colorado

Research Technician

Summer 1979
Neonatal Anemia in Swine Project.
Department of Physiology and Biophysics
Colorado State University

Research Physiologist

1977-1978
Halstead Laboratory
CW Van Way III, MD: Director
Department of Surgery
School of Medicine
University of Colorado
Denver, Colorado

Researcher

1974-1977
Collaborative Radiological Health Lab
Colorado State University
Fort Collins, Colorado

Supervisor

1971-1974
Animal Genetics Laboratory
TM Sutherland, Ph.D. Director
Department of Animal Science
Colorado State University
Fort Collins, Colorado

EDUCATION and TRAINING in INTEGRATIVE MEDICINE

Veterinary Homotoxicology Seminar

May 2004

20 hour introductory course in Veterinary Homotoxicology

Instructors:

PJ Broadfoot, DVM

Richard Palmquist, DVM

Joseph Demers DVM

American Holistic Veterinary Medical Association post-doctorate training course

Denver, Colorado

Traditional Chinese Veterinary Herbal Medicine

March 1995-Present

Course Developer and Coordinator; Course Faculty

Basic Course training veterinarians in diagnosis and therapeutics of traditional Chinese herbal veterinary medicine; 140 lecture hours; 6 modules, 3.5 days per module, 2 modules per year

International Veterinary Acupuncture Society

Boulder, CO

Veterinary Physical Therapy and Rehabilitation Workshop

March, 2000

Deborah Gross PT and Geoffrey Smith, DVM, Course Faculty

2 day workshop detailing techniques of physical therapy and rehabilitation for small animal veterinary patients

Denver, CO

Functional Medicine Symposia

March 1998, May 1997 and June 1996

24 hours

Jeffrey Bland, Ph.D.

HealthComm, Inc.

Denver, CO

Introduction to Qi Gong

June 1996

15 hours

Master Zhen Gao Yao

The Naropa Institute

Boulder, CO

American Herbalist Guild Symposium

June 1996

16 hours

Robert Rountree, MD., Lois White, MD.,

Christopher Hobbs, L.Ac, Michael Tierra, ND, OMD

American Herbalist Guild

Boulder, CO

Practical Herbal Medicine: Identification and Uses of Plants for Veterinarians

May 1996

30 hours

Cheryl Schwartz, DVM and Matthew Wood, ND

Haverkos Family Farm

Batesville, IN

Advanced Acupuncture and TCM: Module 1 and 2

February 1996 and 1995

32 hours

International Veterinary Acupuncture Society

Continuing Education Program

Cheryl Schwartz, DVM

Deke Kendell, Ph.D, L. Ac, OMD
Marcio Bernstein DVM, L. Ac.
Boulder, CO

Introduction to Veterinary Homeopathy

February 1996

16 hours

Christina Chambroud, DVM, CVH
Rocky Mountain Holistic Veterinary Medical Association
Denver, CO

Network Chiropractic Modules A, B-VET, C

April 1994 and November 1994

25 hours

Donald Epstein, DC and Mark Haverkos, DVM: Faculty
Innate Intelligence, Inc.
Denver, CO.

IVAS Certification Training Program

October 1993-March 1994

120 hours

Credential: Certified Veterinary Acupuncturist (CVA)
International Veterinary Acupuncture Association (IVAS)
Atlanta, GA.

Acupuncture and TCM Study Group

January-June 1993

20 hours

Jim Skoiens, L. Ac.
Colorado Springs, CO.

Veterinary Acupuncture Workshop

July 1992

15 hours

Hugh Wheir, DVM, L.Ac.
Rocky Mountain School of Traditional Chinese Medicine
Denver, CO

Medical Herbalism Workshop

June 1991

20 hours

David Hoffman, M.H.
Unitea Herbs
Boulder, CO.

Educational Kinesiology: Brain Gym I

May 1991.

8 hours

Kat Jorstad, MA
Manitou Springs, CO,

Acupuncture Points: A Clinical Practicum

November 1990-April 1991

50 hours

Jake Paul Fratkin, OMD, L.Ac.
Boulder, CO,

Introduction to Traditional Chinese Medicine

April 1991
15 hours
Janwei Liu, OMD, L.Ac
Colorado Springs, CO.

Practical Uses of Chinese Herbs

August 1990
16 hours
Jake Paul Fratkin, L.Ac., OMD
Health Concerns Herbal Formulas
Denver, CO

Western Medical Herbology Workshop

June 1990
20 hours
William LeSassier
Unitea Herbs
Boulder CO.

TEACHING and EDUCATION

Course Coordinator and Instructor (March 1995 to March 2001)

Traditional Chinese Veterinary Herbal Medicine
140 Hours
Continuing Education Program
International Veterinary Acupuncture Society, sponsor
Boulder, CO.
Responsibilities:

Establish curriculum for new educational program being taught to certified veterinary acupuncturists, 6 classes over three years; coordinate and manage guest faculty; provide instruction to the classes

Instructor (1994-2001)

Botanical Studies Program (accredited)
The Rocky Mountain Center for Botanical Studies
Boulder, CO
Responsibilities:

Lecture classes and teach practical laboratory on natural animal care for students in the curriculum of Medical Herbalism.

Instructor (1983)

Animal Health Technology Program
Colorado Mountain College
Glenwood Springs, CO.
Responsibilities:

Lectured and conducted labs in Surgical Nursing, Equine Medical Nursing, Parasitology, Anatomy and Physiology, Nutrition, Hematology, Anesthetic Nursing, Companion Animal Medical Nursing and the Veterinary Clinic.

Research Physiologist (1977-1978)

Halstead Laboratory
Department of Surgery
School of Medicine
University of Colorado
Denver, CO
Responsibilities:

Assisted teaching practical laboratories in surgical techniques for medical students; Operating Room methodology and techniques for nursing students; cardiopulmonary bypass procedure training classes for extracorporeal perfusion technologists.

Graduate Research Assistant (1974-1976)

Department of Physiology
Colorado State University
Fort Collins, CO
Responsibilities:

Assisted in teaching courses in Mammalian physiology, comparative physiology, cardiopulmonary physiology.

SEMINARS and PRESENTATIONS

DC Academy of Veterinary Medicine

January 2007
Washington DC
6 hours seminar
Seminar Title:

“East Meets West: Integrative Veterinary Medicine”

Colonial Veterinary Conference

December 2006
Williamsburg, VA
5 hour seminar
Seminar Title:

Introduction to Complementary and Alternative Veterinary Medicine

University of Wisconsin Continuing Education Series

Nov 2006
Madison, WI
6 hours seminar
Seminar Title:

“Principles and Practices of Integrative Veterinary Medicine”

San Diego Area Veterinary Medical Association monthly meeting CE presentation

September 2006
San Diego, CA
2 hour seminar and case presentation

“Seminar title: Integrative Veterinary Medicine: Practical Therapeutics”

National Sales Meeting: Natures Variety (Miindustries)

July 2006
Omaha, NE
60 minutes seminar
Seminar Title:

“Pet Nutrition: Modern Urban Legends”

Public Seminar Sponsored by Nature’s Variety

Boston, MA
May 2006
90 minutes seminar opening act for Cesar Millan, the “Dog Whisperer”
Seminar Title:

“Pet Nutrition”

Tennessee Veterinary Medical Association Annual Conference

Nashville, TN
March 2006
3 hour class: Introduction to Complementary Therapies (repeated twice at this meeting for 6 hours total)
Seminar title:

“What’s the Big Deal About Complementary Veterinary Medicine?”

Veterinary Botanical Medical Association Annual Conference

September 2005

Ogden Utah

1 hour class on the Materia Medica of Licorice Root

Class Title:

Licorice Root: An A-Z: From Adrenals to Zymurgy

American Holistic Veterinary Medical Association Annual Conference

September 2005

Ogden, Utah

3 hour class on the basis of Integrative Medicine

Class Title:

Grub Guts and GALT: The G-Spot of Integrative Medicine

Taipei Veterinary Medical Association

June 2005

Taipei, Taiwan

1 hour class on Liver Diseases

1 hour class on Cardiovascular Disease

1 hour class on Traditional Chinese Medicine in the West

Presented Liver and Cardiac cases responsive to complementary medical therapies and gave an overview of how Traditional Chinese Medicine is practiced in the West

Western States Veterinary Conference

February 2005

Las Vegas, Nevada

1 hour class on Raw Food Diets

1 hour class on Herbal Therapies

1 hours class on Immune Disorders

Seminar Topics:

How to Advise Your Clients on Home Made Diets

Integrative Immunology

Integrative Gastroenterology

CSU CAVM Junior Elective on Complementary and Alternative Veterinary Medicine

Colorado State University Professional Veterinary Medicine Program

Fort Collins, CO

September-November 2004

Narda Robinson, DO DVM program director

3 classes on different subjects; 2 hours each

Seminar Topics:

Home Made Diets: What's Good About 'Em, and What's Bad?

Herbal and Nutraceutical Veterinary Medicine: Principles and Practices for Beginners

Ayurvedic Medicine: Oldest Ethnomedical System in the History of Mankind

VBMA Annual Conference

Durham, NC

September 2003

3hour class

Seminar Title: Introduction to Basics of Herbal Medicine

AHVMA Annual Conference

Durham, NC

September 2003

2 hour class

Seminar Title: Leaky Gut Syndrome

North American Veterinary Conference

Orlando, FL

January 2004

3 hour class on nutrition

1 case presentation of patient on home made food

1 hour debate with veterinary nutritionist

2 hour class on introductory herbal medicine

Seminar Titles: Home Made Diets: Fad or Fantastic?

Practical Therapeutics: Herbal Medicine Parts 1 and 2

SCVMA San Fernando Valley Chapter Meeting

Studio City, CA

July 2002

1 hour CE credit

Seminar Title: The Clinical Case for Integrative Medicine

SDCVMA North Coastal County and South Bay Chapter Meetings

Oceanside, Chula Vista, CA

May 2002

1 hour CE credit

Seminar Title: The Clinical Case for Integrative Medicine

SCVMA Saddleback/Capistrano Valley and Orange County Chapter Meetings

May 2002

1 hour CE credit

Seminar Title: The Clinical Case for Integrative Medicine

SAVMA Annual Conference Lecturer

Fort Collins, CO

2 hours

March 2002

Seminar Title: The Fundamentals of Botanical Medicine for Veterinarians

CSU Student AHVMA Chapter Seminar

Fort Collins, Colorado

March 2001

3 hours

Seminar Title: Complementary Approaches to the Treatment of Inflammatory Bowel Disease in the Small Animal

CSU Continuing Education Program for Veterinary Technicians

Fort Collins, CO

January 2001

2 hours

Seminar Title: Everything You Wanted to Know About Complementary and Alternative Veterinary Medicine But Didn't Know What To Ask.

CSU Continuing Education Short Course to Veterinarians

Ft Collins, CO

January 1999

4 hours

Seminar Titles:

- Integrating Complementary Therapies into a Conventional Veterinary Practice
- Practical Therapeutics of Natural Remedies
- The Top Ten Herbs for Veterinary Practitioners
- Case Studies in Alternative Medicine

CSU Continuing Education Program for Veterinary Technicians

Ft. Collins, CO

January 1999

2 hours

- An Introduction to Complementary Therapies;
- Practical Therapeutics for Veterinary Technicians;
- The Top Ten Herbs for Veterinary Technicians

American Animal Hospital Association's Continuing Education Series

Boulder, CO.

June 1998,

6 hours

- Complementary Medicine: An Introduction for Veterinarians and Technicians
- Niche Marketing: How to Market Complementary Veterinary Medicine

Complementary Therapies for British Veterinarians

London, England

November 1997,

Sponsored by Ayuvet Ltd, UK .

Present scientifically-based validation for the effectiveness of alternative therapies in veterinary clinical practice to a group of 45 British veterinarians.

An Introduction to Holistic and Alternative Therapies for Veterinary Medicine: A Training Seminar

*Seminar for the employees of the **American Animal Hospital Association.***

Denver, CO.

April, 1997

1.5 hours

Natural Diets for Pets: Why Bother? A Look at Holistic Veterinary Medicine for Veterinary Students.

Fort Collins, CO.

December, 1996

Talk for the Student Holistic Club of Colorado State University School of Veterinary Medicine.

1.5 hours

An Introduction to the Herbs of Ayurvedic Medicine for Veterinarians

Annual Conference of the **American Holistic Veterinary Medical Association**

Portland, OR.

September, 1996

Cancer and Diet in our Pets

The Cancer Control Society Annual Meeting.

Pasadena, CA.

September, 1996.

The Basics of Natural Animal Care for Pet Parents

The Holistic Alliance International.

Long Branch, NJ.

August, 1996

An Overview of Holistic Veterinary Medicine

Colorado Association of Veterinary Technicians; Annual Continuing Education Meeting

Winter Park, CO.

June, 1996

Introduction to Holistic Medicine for Animal Breeder Clubs,

Scottish Terrier Club of Greater Denver

Colorado Dog Fanciers Club

Chinese Pug Club

Shetland Sheepdog Club
Beagle Club
Flatirons Kennel Club
May, 1994 - April, 1996
Denver, CO; Louisville, CO; Longmont, CO.

Petfoods and Natural Animal Care
NNFA/SOHO, Sponsored by the Petguard Company
Orlando, FL, December, 1995

Natural Care for Pets
Alfalfa's Natural Foods Market
Wild Oats Market.
Boulder, CO. Fort Collins, CO. Denver, CO.
June 1994 - December, 1995

How to Market Natural Care for Pets for the Natural Foods Industry
NATURAL PRODUCTS EXPO-EAST
NATURAL PRODUCTS EXPO-WEST
March and September 1995,
Baltimore, MD.
Anaheim, CA.

Herbal Health Care for Pets
The Rocky Mountain Center for Botanical Studies - evening classes for the community
September, August, April, 1994
Boulder, CO

Holistic and Botanical Medicine for Pets
Rocky Mountain Center for Botanical Studies.
Professional herbalist classes
January through September, 1994
Boulder, CO.

The Relationship Between Pets' and their Human Companions' Diseases: An Energy Resonance System
Presented to the Society for the Study of Subtle Energies.
March, 1994,
Denver, CO.

The Foundations of Wellness: Creating Health for Pets with Nutrition and Tonic Herbs
Sponsored by McZand Herbal, Inc.
January, 1994
Boulder, CO.

Medicinal and Edible Plant Identification: Slide Show and Nature Walk
Sponsored by the Pikes Peak Herb Association.
July, 1993
Colorado Springs, CO.

Canine Acupuncture: What is it and how does it work?
Sponsored by the Colorado Springs Kennel Club.
May, 1993
Colorado Springs, CO.

Holistic Health for Pets: Using Herbs to Create Wellness for your Pet
Sponsored by McZand Herbal, Inc.
October, 1992
Santa Monica, CA.

Herbs for Pets: Practical Information for the Pet Owner

Sponsored by McZand Herbal, Inc.

August, 1992

Boulder, CO.

A Clinical Study into the Efficacy of Five Herbal Formulations.

18th Congress of International Veterinary Acupuncture Society.

September, 1992

Maui, HI,

BUSINESS EXPERIENCE

Formulator and Consultant

Rx Vitamins for Pets (1995 to present)

Formulated a line of condition-specific botanical and nutraceutical formulations for clinical use by practicing veterinarians. Provide consultation service regarding technical data, marketing strategy and advertising.

Consultant

Dabur Ayuvet Products Company (1994-1999)

This Indian company needed a consultant to help them introduce Ayurvedic herbal formulations to the North American and European markets. Consultation services included the establishing of a clinical advisory group of veterinarians, designing and executing multi-centered clinical trials, writing research papers, providing advice regarding marketing strategies and advertising copy.

Consultant and Formulator (1994-1996)

Gillco, Inc.; dba Merritt Naturals Animal Essentials

Formulated a line of nutritional supplements for dogs and cats to be marketed via the internet and direct sales. Designed product line, product names and provided technical support as well as marketing strategy and advertising copy.

Clinical Researcher

ZAND Herbal Formulas (1991)

Designed and executed a multi-centered trial of the efficacy of 5 herbal preparations on clinical cases

Clinical Researcher

Cyanotech, Inc. (1996)

Designed and executed a double-blinded placebo controlled study of the effects of feeding spirulina to dogs with arthritis and to dogs with skin disease. Paper written, but not published (data was not significant and the company did not want to pursue another trial with higher dosages)

MEDIA EXPERIENCE

“Celestial Pets,” weekly talk radio segment hosted by Celeste Yarnall, broadcast over syndicated national network.

“PetTalk,” monthly talk radio segment on local commercial alternative music FM station KBCO, Boulder, CO.

“Shop at Home Network,” Knoxville, TN.: Live On-Air Sales of Specially Formulated Natural Products for Companion Animals; January 1997.

“Here’s to Your Health,” The Deborah Ray Show; Nationally Syndicated Talk Radio Program; 3 appearances, 1995-1996.

“Doctor Talk,” Local Denver AM Talk Radio Program, 1995.

“Petline,” Newsmagazine Television Talk Show, KKTU Channel 11, 1994.

“The Housecall Veterinarian,” Channel 5 News, 1985, 1987; Channel 11 News 1988, Colorado Springs, CO

“Doc’s Guitar,” Disc Jockey, Public Radio, KDNK, Carbondale, CO, 1983.

PUBLICATIONS

Silver, Robert J. DVM, MS. “Multi-Center Clinical Evaluation of an Ayurvedic Topical Herbal Formulation for Veterinary Dermatopathies.” *J. Am. Holistic Vet. Med. Assoc. Vol 17, No. 2. 1998.*

Silver, Robert J. DVM, MS. “Surviving and Enhancing Chemotherapy.” *J. Am Holistic Vet Med Assoc. Vol 17, No. 1. 1998.*

Silver, Robert J. DVM, MS. “Immunomodulation” *J. Am. Holistic Vet Med Assoc. Vol 17, No. 3. 1998*

Silver, Robert J. DVM, MS. “Ayurvedic Medicine for Veterinarians: Part One.” *J. Am Holistic Vet Med Assoc. Vol 16, No. 3, 1997.*

Silver, Robert J. DVM, MS. “Regulating Natural Pet Products.” *J. Am Holistic Vet Med Assoc. Vol 15, No. 4, 1996.*

- Silver, Robert J. DVM, MS. "Acupuncture Treatment of Acute Strain of the Bicipital Tendon in an Older Canine Patient." *J. of National Sports Acupuncture Association, Volume 4, Issue 1, 1995.*
- Silver, Robert J. DVM, MS. "A Clinical Study into the Efficacy of Five Herbal Formulations" *Proceedings 18th Annual Congress, International Veterinary Acupuncture Society. September, 1992, Maui, HI.*
- Silver, Robert J. DVM, MS. "A Guide to the Use of Herbal Remedies in Veterinary Medical Practice" *J. Am Holistic Vet Med Assoc. 11 (2):25-27, 1992*
(Reviewed in *Advances in Small Animal Medicine and Surgery, Carl Osborne, DVM Ph.D. Vol 6, No. 3; March 1993, WB Saunders, Co. Phila, PA.*)
- Van Way, C.W., Solomon, C., Monaghan, T.M., Zevallos, J., Gentry, S.D., Bohus, R.W., Silver, R.J.: "Analysis of the Adenosine Triphosphate System in the Surgically Treated Heart." *Presented at XIV International Cardiovascular Society, San Francisco, California. 1980.*
- Bohus, R.W., Van Way, C.W., Hood, A.G., Silver, R.J., Gentry, S.D., and Frangos, D.N.: "Effects of Aortic Occlusion, Cold Cardioplegia, and Continuous Topical Hypothermia on Cardiac Function in Dogs." *Presented at the Western Student Medical Research Forum, Western Society for Clinical Research, Carmel, California. February 1979.*
- Van Way, C.W., Hood, A.G., Leonard, S., Silver, R.J., Bohus, R.W., Gentry, S.D., and Giortino, L.: "Mathematical Modeling in Cardiac Surgery." *Annual Conference on Engineering in Medicine and Biology. 1979.*
- Tucker, A., Russell, B.E., Silver, R.J.: "Efficacy and Safety of Iron-Dextran Preparation in the Prevention of Neonatal Anemia in Swine." *Technical Report, Dextran Products, Ltd. Ontario, Canada. 1979.*
- Van Way, C.W., Hood, A.G., Leonard, S., Silver, R.J., Bohus, R.W., and Gentry, S.D.: "Rewarming Kinetics and Maintenance of Cold Cardioplegic Arrest." *Presented at XIII World Congress on Diseases of the Chest, Kyoto, Japan. July 1978.*
- Hood, A.G., Van Way, C.W., Leonard, S., Silver, R.J., Bohus, R.W., and Gentry, S.D.: "Effects of Cannulation Technique and Topical Hypothermia on Cardiac Temperature During Cold Cardioplegia." *Am Sect Proceedings, Vol. VI, 1978.*
- Silver, R.J., Miller, C.W.: "The Effect of Growth Upon the Hemodynamic Properties of Beagle Puppies." *Biomedical Sciences, Vol. 12, 1976.*
- Strieby, R., Silver, R., Ward, G.M., and Sutherland, T.M.: "Growth Rate, Feed Efficiency and Body Composition in Mice." *Proceedings, 88th Annual Research Conference, Colorado State University, Ft. Collins, CO., 1975.*

RESEARCH

- Multi-centered clinical evaluation of Ayurvedic remedies for wounds, diarrhea, dermatopathies, liver disease, ear disease and parasites. Peer-review published study on results of topical gel's performance; Holistic Wellness Center, PC, Boulder, CO. (1995-1999)
- Double-Blind placebo-controlled clinical study of the effects of Spirulina on arthritis and skin disease in the dog; unpublished study; Holistic Wellness Center, PC, Boulder, CO., 1996.
- Evaluation of clinical efficacy of 4 traditional Chinese herbal formulations and 1 western herbal formulation as preliminary study for McZand Herbal Inc. to determine suitability of herbal formulations for veterinary medical practice; a multi-centered clinical evaluation; Community Animal Clinic, Colorado Springs, CO. 1992
- Evaluation of embolization potential of argon beam coagulation device in partial fulfillment of FDA regulations for clinical application; porcine surgical model. Animal Care Facility, School of Medicine University of Colorado, Denver, CO. 1987.

Evaluation of surgical models for myocardial infarction applied to testing of new cardiac drugs; and, Evaluation of iron dextran products used in the treatment of neonatal iron deficiency anemia in piglets. Department of Physiology and Biophysics, CSU, Fort Collins, CO. 1979.

Evaluation of efficiency of various cannulation techniques used to provide cardioplegia during cardiopulmonary bypass procedures; development of ATP/ADP assay for the evaluation of myocardial damage; comparison of in situ tracheal tissue reactivity to several suture materials; evaluation of wound irritative properties of a new non-adherent wound dressing. Halstead Laboratory, University of Colorado Medical School, Denver, CO. 1977-1978.

The video imaging of velocity profiles for evaluation of carotid artery occlusion due to atherosclerosis, using the beagle dog as the animal model. Collaborative Radiological Health Laboratory, Colorado State University, Ft. Collins, CO. 1976-1977.

Development and testing of pulsed doppler ultrasound noninvasive instrumentation to evaluate the alteration in hemodynamics with growth in beagle puppies. (In fulfillment of requirements for an original research work leading to a Master of Science degree from the Department of Physiology, Colorado State University, 1976.) Collaborative Radiological Health Laboratory, Colorado State University, Fort Collins, CO., 1974-1976.

Analysis of whole body fat composition in a specialized genetic strain of obese mice. Animal Genetics Laboratory, Department of Animal Science, Colorado State University, Ft. Collins, CO., 1973-1974.

PROFESSIONAL ASSOCIATIONS

American Veterinary Medical Association
International Veterinary Acupuncture Society;
American Holistic Veterinary Medical Association;
Association of Veterinarians for Animal Rights;
Colorado Acupuncture Association;
Rocky Mountain Holistic Veterinary Medical Association.
American Academy of Veterinary Nutrition
Herb Research Foundation
Rocky Mountain Herbalist Guild
American Herbalist Guild
Veterinary Botanical Medical Association

RELATED DISTINCTIONS

Scientific Advisory Board; National Animal Supplement Council (NASC)
Past President, Rocky Mountain Holistic Veterinary Medical Association
Former member, Board of Directors: American Holistic Veterinary Medical Association.
Chairperson, Veterinary Subcommittee, AAFCO Interface Committee, Natural Pet Products Association 1997
Curriculum Coordinator: IVAS Continuing Education in Herbal Therapies 1994-2001
Clinical Advisory Board, McZand Herbal Inc.; 1992-1994
Board of Directors, Mission: Wolf, Silvercliffe, CO.

REFERENCES

Available upon request.