

INSIGHT

College of Veterinary Medicine
and Biomedical Sciences

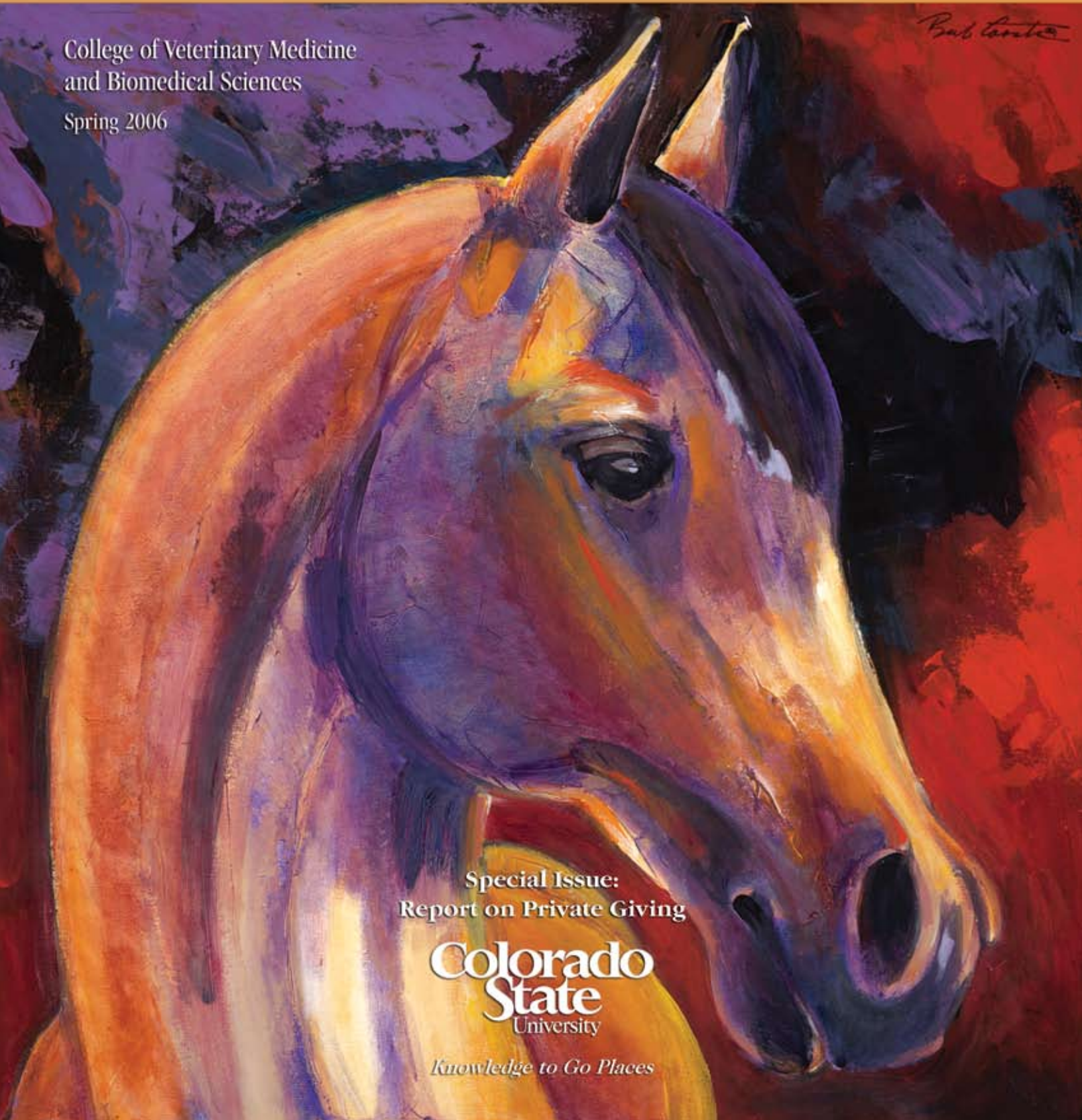
Spring 2006

Bob Lanter

Special Issue:
Report on Private Giving


**Colorado
State**
University

Knowledge to Go Places



INSIGHT

Volume 33 Number 1
Spring 2006



COLLEGE OF VETERINARY MEDICINE
AND BIOMEDICAL SCIENCES

*On the cover: "Soldier" by Fort Collins
artist and Colorado State University
faculty affiliate, Bob Coonts.*

REPORT on PRIVATE GIVING

The *Report on Private Giving*
is published annually by the
College of Veterinary Medicine
and Biomedical Sciences,
Colorado State University,
as a special edition
of *Insight*.

Visit us on the Web at
www.cvmb.colostate.edu

Welcome to the 2006 *Insight/Report on Private Giving*. This annual report recognizes donors who contributed to the College of Veterinary Medicine and Biomedical Sciences during 2005. But more importantly, it gives us the opportunity to say thank you. Thank you for your generous donations. Thank you for your ongoing support. Thank you for your friendship and thank you for being ambassadors for the College to the world at large. As we have said so many times before, but it is no less true for the saying of it, we simply could not do what we do without you.

In this edition of the *Report on Private Giving*, we will focus on three programs that have benefited greatly from private support. These are the Flint Animal Cancer Center, the Animal Reproduction and Biotechnology Laboratory, and the Orthopaedic Research Center. Thanks to private donations, these programs are world-renowned centers of excellence in their areas of expertise.

We welcome your questions and comments on the *Report on Private Giving*. If you'd like to get in touch with us, please send your correspondence to:

Insight Correspondence
Office of the Dean
College of Veterinary Medicine and Biomedical Sciences
Colorado State University
1601 Campus Delivery
Fort Collins, CO 80523-1601

You can e-mail *Insight* comments to Paul Maffey, Director of Development for the College, at rpmaffey@colostate.edu. We also invite you to visit our Web site at www.cvmb.colostate.edu. ■

Table of Contents

Message from the Dean	3
Plans for Expansion Highlight College's Strengths	4
CVMB Vital Statistics	6
Pets, People Helped by Pioneering Research at Animal Cancer Center	7
Orthopaedic Research Center Builds Program Around Horses, but People Benefit, Too	8
Donors Help Reproduce Success at ARBL	10
Cardiac Team at Colorado State Offers Life-Saving Surgery	11
Support Continues to Grow at College	12
Annual Scholarships and Awards 2005	12
Endowed Scholarships and Awards 2005	13
Miki Society Funds Innovative Projects in Canine, Feline and Equine Medicine	14
Miki Society Contributing Veterinarians and Associations 2005	14
Opportunities for Private Giving	17
University Chairs and Professorships	18

Message from the Dean

Dear Friends,

At the James L. Voss Veterinary Teaching Hospital, researchers are investigating a potential new cancer therapy that attacks tumor cells using radioisotopes attached to vitamin B-12. In another study, investigators are exploring treatments for osteoporosis (brittle bone disease), using sheep as a model for human disease.

At the Animal Reproduction and Biotechnology Laboratory, a wide variety of assistive reproductive technologies, including cryopreservation of embryos, are used to aid in large animal reproduction.

At the Orthopaedic Research Center, scientists are discovering new ways to prevent, diagnose, and treat bone and joint disease and injury in horses, collaborating with physicians to apply these technologies and interventions to similar problems in human patients.

“It is hard to overstate the importance of private funding to our continued excellence in biomedical and veterinary research.”

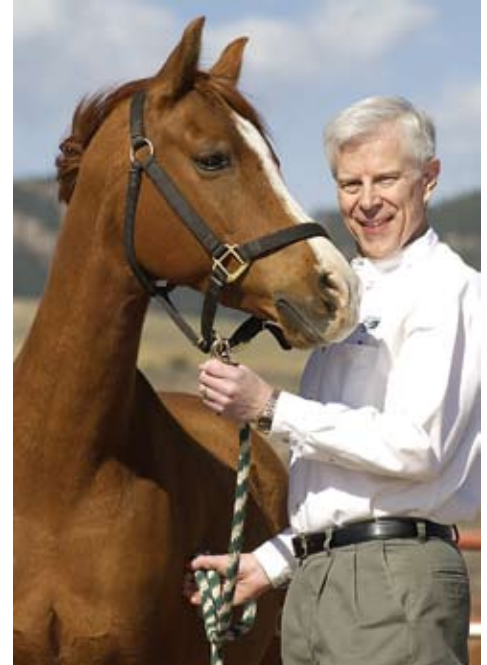
What do these three programs have in common? Without support from the private sector, much of their breakthrough biomedical and veterinary research simply would not be possible. Private dollars enable us to pursue investigations into areas that receive little to no funding from government agencies that fund the majority of research at the

College of Veterinary Medicine and Biomedical Sciences. Through private donations, we are able to conduct research that is changing the way we treat cancer, not only for your pets, but for you as well. Through private donations, we not only help preserve highly valued equine genetic material, but our research may help save endangered species, too. Through private donations, our scientists are learning how to effectively treat osteoporosis, a devastating disease that afflicts 10 million people in the United States with 18 million more at risk with low bone density.

But private funding doesn't just provide money for research. With private funding, we have been able to build facilities in which to conduct research and provide treatment. We have been able to pay salaries of special appointment faculty and laboratory staff. We have been able to endow University and College Chairs that provide us with a source of stable funding so that we can attract the best and brightest scientists to our ranks. We have been able to pay operating costs that keep us running.

It is hard to overstate the importance of private funding to our continued excellence in biomedical and veterinary research. The articles in this edition of the *Report on Private Giving* showcase several of our programs positively affected by private funding, and also report on where we need to go next. Although 2005 has been very positive for the College, we face new challenges in 2006 including expansion of the South Campus, the need for new laboratory space on the Main Campus, and the ongoing construction projects in infectious disease and animal reproduction at the Foothills Research Campus.

I want to thank each of you who donated so generously to the College in 2005. Total private giving for the year was \$13,700,435. We saw the dedication



Dr. Lance Perryman

of the Equine Reproduction Laboratory, funded through the Walton Family Foundation. We received word of funding from the Bill and Melinda Gates Foundation to help develop new vaccines for dengue fever. An anonymous donor contributed \$1 million to create a cancer biology graduate program. Many, many other donors contributed to scholarships, to the Miki Society, to the Tribute Garden, to equipment purchases, and so much more. With you, we have been able to establish programs of excellence and will continue to do so with your help.

I hope you enjoy this edition of the *Report on Private Giving* and look forward to seeing you soon. ■

With Best Regards,

Lance E. Perryman, DVM, PhD
Dean, College of Veterinary Medicine
and Biomedical Sciences

Plans for Expansion Highlight College's Strengths

The College of Veterinary Medicine and Biomedical Sciences must build new facilities and remodel existing facilities to keep up with expanding research, teaching and outreach programs in veterinary medicine and the biomedical sciences. Here is a "scorecard" to help you keep track of what is new or under construction at the Foothills Research Campus, Main Campus, and South Campus (home of the James L. Voss Veterinary Teaching Hospital).

Main Campus

College facilities at the main Colorado State University campus have mostly seen reappportionment and remodeling during the past year. Faculty and staff from the Center for Environmental Toxicology and Technology were relocated to the Physiology Building, and new teaching laboratory space in the Physiology Building is now under construction.

In 2006, student fees will fund an expansion of the Microbiology Building to create space for a campus study area. The next large-scale project planned for the College on the Main Campus is a multi-story research building. The building will house research laboratories and some faculty offices, including faculty from the departments of Biomedical Sciences; Environmental and Radiological Health Sciences; and Microbiology, Immunology and Pathology. Funding



Equine Reproduction Laboratory

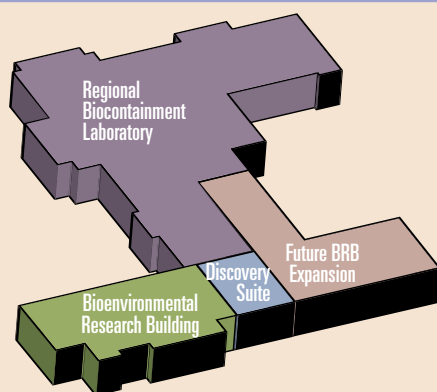
- A Client Stallion Barn
- B Collection Shed and Laboratory
- C Client Mare Motel
- D Equine Reproduction Reception and Laboratory
- E Education Center
- F Research Stallion Housing
- G Entrance, Parking, Landscape and tear down structures
- H Renovate Palpation Shed and Collection Area
- I Recipient Mare Shelters
- J Courtyard and Client Mare Barn
- K1 Client Mare Barn
- K2 Client Mare Barn
- K3 Client Mare Barn

for this building has not been secured, though a combination of private, government, College and University funds will most likely be pursued. The timeline for this project will depend on procurement of funding.

Foothills Research Campus

The College's Program in Infectious Diseases, Arthropod-borne and Infectious Disease Laboratory, Animal Reproduction and Biotechnology Laboratory (ARBL), and Equine Reproduction Laboratory comprise the primary areas of focus at the Foothills Research Campus. In 2005, the Equine Reproduction Laboratory dedicated its new facility, funded in part with a gift from the Walton Family Foundation. The laboratory also renovated existing facilities, including the stallion barn and the mare "motel" for visiting horses. The ARBL has a comprehensive plan for expansion and renovation of exiting facilities, as well as new construction, dependent on funding.

The College's multiple programs in infectious diseases achieved record levels of funding in 2005, and embarked on building projects to house burgeon-



Rocky Mountain Regional Biocontainment Laboratory at the Judson M. Harper Research Complex

ing programs. At the Judson M. Harper Research Complex at the Foothills Research Campus, construction has been progressing at a rapid pace. In November, the College broke ground on the Rocky Mountain Regional Biocontainment Laboratory (RBL), which is connected to the existing Bioenvironmental Research Building (BRB). In October, the National Institutes of Health announced a \$4 million matching grant to fund an expansion of the BRB. Funds still are being sought to build the Discovery Suite at the complex, which will provide laboratory space for innovative new research and cooperative research programs.

These facilities complement the new Centers for Disease Control (CDC) building, which will greatly expand capacity

for research into infectious disease and further enhance productive relationships between researchers at the CDC and at CSU.

South Campus

This year, the Orthopaedic Research Center completed construction of an addition to the Gail Holmes Equine Orthopaedic Research Center to house the Equine Magnetic Resonance Imaging Center, funded by the Walton Family Foundation, and Ken and Virginia Atkinson. The facility is the latest in a string of privately funded projects that have helped to create a world-class center in equine orthopaedics.

The South Campus is now bracing itself for a major expansion as funding comes in through The Hope, The Care and The Cures in 21st Century Animal

As the College continues to achieve great success in its programs, further demands will be placed upon its existing facilities.

Health, the College's campaign to fund a comprehensive expansion of the South Campus. Building plans for the South Campus include a diagnostic medicine center, new wards and rounds rooms for second-year Professional Veterinary Medical students, equine isolation/critical care unit, equine sports medicine, food animal hospital, food animal isolation, ambulatory services, community practice/dentistry/zoological medicine, research/vivarium, large animal research, covered ring/equine stalls, and miscellaneous structures.

Most of the construction of new facilities on the South Campus depends on private giving.

As the College of Veterinary Medicine and Biomedical Sciences continues to achieve great success in its research, teaching and outreach programs, further demands will be placed upon its existing facilities. Through a combination of funding from federal agencies, available University and College dollars, and, most importantly, private giving, the College will continue to head for new frontiers, helping to further veterinary medicine and biomedical sciences for the benefit of all. ■



South Campus

- | | |
|--|--|
| 1. Existing James L. Voss Veterinary Teaching Hospital | 10. Research/Vivarium |
| 2. Diagnostic Medicine Center | 11. Research/Vivarium |
| 3. Wards/Rounds/2nd Yr. PVM | 12. Large Animal Research |
| 4. Equine Isolation/CCU | 13. Covered Ring/Equine Stalls |
| 5. Equine Sports Medicine | 14. Existing Laboratory/Office |
| 6. Agricultural Animal Hospital | 15. Existing Gail Holmes Equine Orthopedic Research Center |
| 7. Agricultural Animal Isolation | 16. Future Building and/or DMC Expansion |
| 8. Agricultural Animal Ambulatory | 17. Hay Storage |
| 9. Community Practice/Dentistry/Zoological/Office | 18. Hay Storage |
| | 19. Maintenance/Shop/Equipment |

C VMBS Vital Statistics

The College

The Department of Veterinary Science was founded in 1907 and renamed the College of Veterinary Medicine and Biomedical Sciences (CVMBS) in 1967.

Undergraduate degrees have been offered through the College since 1967. The College comprises four academic departments and the Veterinary Teaching Hospital. The four departments are:

- Biomedical Sciences
- Clinical Sciences
- Environmental and Radiological Health Sciences
- Microbiology, Immunology and Pathology

The College participates in the Western Interstate Commission for Higher Education (WICHE) program and serves as the regional veterinary school for nine western states: Alaska, Arizona, Hawaii, Montana, Nevada, New Mexico, North Dakota, Utah and Wyoming.

The Staff

Number of faculty	212
Research Associates	169
Administrative Professional Staff	80
State Classified Staff	267
Residents and Interns	44
Postdoctoral Fellows	56
Graduate Assistants	127

The Students

Undergraduates in Microbiology and Environmental Health	364
Graduate Degree Students	325
Biomedical Sciences Open Option Students	186
Professional Veterinary Medical (PVM) Students	537

The Graduates

From 1907 to 2005, 6,264 graduates received Doctor of Veterinary Medicine degrees and 2,336 received advanced degrees (MS and PhD).

The Cost

2005-2006 Tuition and Fees

Undergraduate: Resident	\$4,562
Nonresident	\$15,524
Graduate: Resident	\$4,871
Nonresident	\$16,139
PVM: Resident	\$12,439
Nonresident	\$37,339

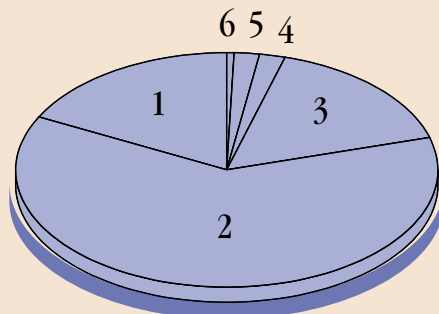
Priority Research/Other Programs

- Cancer: Its Causes and Treatments
- Environmental, Toxicological and Radiological Health Sciences
- Infectious and Immunological Diseases
- Molecular, Cellular and Integrative Neurosciences Program
- Reproductive Biology and Genetic Engineering
- Veterinary Medical Program
- Student Scholarship Support
- Orthopaedic Research Program
- Human-Animal Bond Programs ■

Report on Private Giving – Gift Analysis

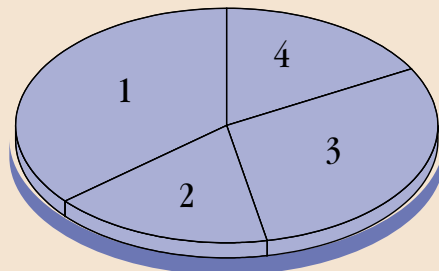
Total: \$13,700,435 (Calendar Year 2005)

Source



1. Business/Corporations – 16%
2. Friends – 63.5%
3. Foundations/Organizations – 12%
4. Alumni – 3%
5. Trusts/Estates – 5%
6. Faculty/Staff – 0.5%

Use

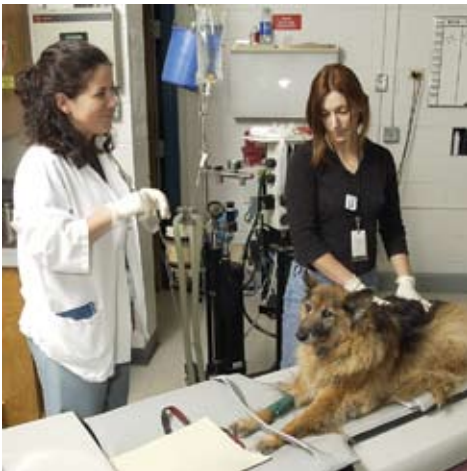


1. Research – 36%
2. Student Assistance – 17%
3. Buildings and Equipment – 30%
4. Academic Programs – 17%

Pets, People Helped by Pioneering Research at Animal Cancer Center

In December 2005, the Robert H. and Mary G. Flint Animal Cancer Center at Colorado State University received a grant from the Denver-based Limb Preservation Foundation to study a new treatment that may one day help children and dogs with bone cancer. By most measures, at \$50,000, the grant is small, but the story behind the grant is the story of how much of the work at the Flint Animal Cancer Center started small and led to the development of the world's leading center of animal cancer research and treatment.

Dr. Stephen Withrow, Director of the Flint Animal Cancer Center (ACC) and Dr. Ross Wilkins, co-founder of the Limb Preservation Foundation, have long



Karen Feinberg and Rosa Elia prepare a patient for a trial imaging vitamin B-12 metabolism with a gamma camera. Numerous research projects at the ACC receive private funding.

collaborated on osteosarcoma research and the development of new treatments for both people and dogs. Dr. Tom Arganese also was a co-founder of the Limb Preservation Foundation, but was tragically killed in an automobile accident in 2000. The Tom Arganese Musculoskeletal Oncology Laboratory at CSU was named in his honor. The newly funded study respects his vision of aggressive treatment for extremity cancer.

The project was initially conceptualized by Dr. Peter Anderson at the M.D. Anderson Cancer Center in Houston, Texas, and Dr. Withrow. Initial funding came from Dr. Anderson's research funds, the Flint Animal Cancer Center Foundation, and Dr. Bill Goeckeler of CytoGen, who provided the heart-lung machine and target drug at no cost.

The new therapy is a bone-seeking, radioactive drug known as samarium. ACC researchers are exploring new methods for delivering the drug that avoids systemic or whole-body side effects. In a dog with a leg tumor, for example, the leg is placed on a heart-lung machine to isolate the blood supply from the rest of the body. The drug is then delivered directly to the tumor sparing the bone marrow in the rest of the body from its potentially toxic effects. Early results continue to be encouraging in terms of minimal side effects and "selective" cancer cell kill.

If successful, investigators at the ACC will have discovered a new way for delivering treatment that will have a huge impact on the care of both canine and human bone cancer patients. The grant provides seed money for an initial study to prove efficacy and safety. From there Dr. Nicole Ehrhart, Co-director of the Musculoskeletal Oncology Laboratory, hopes to apply for larger grants. In addition to the samarium study, the Limb Preservation Institute has pledged \$100,000 to support the Ross Wilkins Limb Preservation endowment and has pledged to complete the endowment.

"What we see at the Flint Animal Cancer Center time and time again, are the strong relationships we have built with so many people over the years developing into partnerships to advance cancer diagnosis and treatment in humans and animals," said Dr. Withrow. "Because we do comparative oncology, we are successfully able to receive grants from governmental agencies including the National Institutes of Health and the National Cancer Institute, but private

donations give us the ability to go to 'riskier' places in our research."

In addition to funding innovative research projects, private donations have provided the lion's share of the budget to build the new Flint Animal Cancer Center at the James L. Voss Veterinary Teaching Hospital. Robert H. and Mary

"Private funding is critical. We would not have a program of excellence without the private sector – it really does take a village."

G. Flint provided more than \$4 million toward the construction in honor of their two golden retrievers, Anna and Eve, who both were cared for at the Flint Animal Cancer Center. Private donations also help to fund faculty, research and administrative positions. Barbara Cox Anthony provided funding for an endowed chair at the Flint Animal Cancer Center, as well as the chair she endowed at the Orthopaedic Research Center. The Stuart Chair in Oncology is the result of relationships built on trust, integrity and the desire to advance animal cancer care.

Educational programs also benefit from private support. In September 2005, an anonymous donor provided a \$1 million grant through the Morris Animal Foundation to underwrite a graduate program in cancer biology. In 2004, because of its excellence in teaching and research, the Radiological Health Sciences and Cancer Research Program, with the Flint Animal Cancer Center at its

continued on page 9

Orthopaedic Research Center Builds Program Around Horses, but People Benefit, Too

Imagine trying to build a house if you had nails, but no boards; if you had windows, but no doors; if you had land, but no foundation. You're grateful for what you do have, but you can't build a house – unless someone comes along with the needed materials. For the Orthopaedic Research Center at Colorado State University, private donors have provided the needed materials and made it possible to build a University Program of Research and Scholarly Excellence – the Program in Musculoskeletal Research – that otherwise would not exist.

“For our program, private giving is huge,” said Dr. Wayne McIlwraith, Director of the Orthopaedic Research Center and a Professor in the Department of Clinical Sciences. “It is simply impossible to imagine where we would be without the generosity of our donors.”

Prior to 1984, the orthopaedic program operated with two state-funded faculty positions, a basic laboratory in the James L. Voss Veterinary Teaching Hospital, and a few small clinical research projects. Dr. McIlwraith and his colleagues were interested in expanding the program to look more in-depth at diagnosing, treating and preventing equine musculoskeletal disease and joint injury. They wanted to develop more “tools

in the toolbox” to provide better care for equine patients, and they hoped to improve long-term outcomes for horses with bone and joint problems.

“We began to get some of our clients investing in our program and, brick by brick, we slowly built up,” said Dr. McIlwraith. “We received more donations with success and were successful because of our continued donations.”

The Orthopaedic Research Center focuses on:

1. Joint tissue healing.
2. The role of microdamage to bone.
3. Development of markers to detect early damage from arthritis.
4. Development of molecular biology techniques to reveal early molecular changes from arthritis.
5. Evaluation of new treatments for arthritis.
6. Evaluation of factors that lead to traumatic joint injury.

Since 1995, the Center has received \$14 million in private donations, and grant funding (government and corporate) of \$12.5 million. As the horse becomes an accepted model for human musculoskeletal disease and joint injury, additional funding through agencies such as the National Institutes of Health



Students look at radiographs from an injured horse.

is becoming a viable avenue of support as well.

“I’d never support projects at the Orthopaedic Research Center that weren’t directly beneficial to the horse,” said Dr. McIlwraith. “It’s just very fortunate for people that horses have many of the same joint and tissue problems that people do, so people benefit from our work as well. As we are able to show that the horse is an excellent model for human osteoarthritis research, we will be able to do additional research supported through governmental funding agencies that benefits both horses and people.”

Dr. McIlwraith said that in working with donors, he has to dispel myths about funding for the orthopaedic program, with the donors often assuming he is supported primarily by the State of Colorado. The fact is, of 30 people working at the Orthopaedic Research Center, only two are salaried through the state. The rest of the faculty, research associates, graduate students, residents, administrative staff, and student hourlies rely on “soft” money. Overall, the College of Veterinary Medicine and Biomedical Sciences only receives 10 percent of its budget from the state. When people hear that, Dr. McIlwraith noted, they understand the need for private donations.



Heather Colbon and Michael Maber run research horse Asia on a treadmill at the Gail Holmes Equine Orthopaedic Research Center.



Dr. McIlwraith and his team perform a surgical procedure on an equine patient.

The Gail Holmes Equine Orthopaedic Research Center was constructed with private funding from Gail Holmes and Herbert Allen, with additional donations funding the renovation of the adjacent Dairy Barn into state-of-the-art laboratories, including a high-tech gait analysis system. The new MRI Center at the Equine Orthopaedic Laboratory was funded by the Walton Family Foundation, and Ken and Virginia Atkinson. Barbara Cox Anthony funded a University Chair to provide permanent support for a faculty member, and the Iron Rose Ranch Chair was established last year with a

\$3 million donation. Additional foundations, including the Stavros S. Niarchos Foundation, provide funding for salaries as well as research programs and basic operating dollars.

“The people who support us do so for a number of reasons,” said Dr. McIlwraith. “First, they are passionately interested in horses and the welfare of horses. Second, they are very aware of the human-horse connection. If we can solve musculoskeletal and joint problems for horses, we can help to solve them for humans as well, so it truly is a beneficial relationship to both species.”

The Orthopaedic Research Center, located on the South Campus just north of the James L. Voss Veterinary Teaching Hospital, is part of a larger expansion plan that includes additional facilities for large animal medicine, a diagnostic medical center, expanded student space for second-year Professional Veterinary Medical students, equine sports medicine, community practice and zoological medicine, critical care units and more.

“The type of private investment we have been so fortunate to receive for the Orthopaedic Research Center is the type of private investment we must have in the South Campus expansion project if we are to be successful,” said Dr. Lance Perryman, Dean of the College of Veterinary Medicine and Biomedical Sciences. “Through The Hope, The Care, The Cures campaign this year, we are optimistic that we will see a good measure of success as we continue to strive toward excellence in our veterinary and biomedical sciences programs. When we look at what private investment can do, and what it has done for the Orthopaedic Research Center, it becomes clear that private giving is our best prospect to achieve the goals we have set for ourselves to advance scientific and medical knowledge for the benefit of society.” ■

Pets, People Helped by Pioneering Research at Animal Cancer Center

continued from page 7

core, was selected one of the University’s Programs of Research and Scholarly Excellence.

“Private funding is absolutely critical to our program,” said Dr. Withrow. “We simply would not have a program of excellence without the private sector – it really does take a village.”

And what a large village the Flint Animal Cancer Center has – hundreds if not thousands of clients who contrib-

ute in large and small ways. Dr. Withrow usually has a small stack of thank-you letters on his desk, many times with a small contribution tucked inside thanking the staff of the Flint Animal Cancer Center for the care a pet has received or as a memorial to a pet that has died. Such gifts often are used to support the costs associated with running the ACC, including the 3,000 consult calls the faculty and staff field each year.

“We believe in curing cancer for the sake of the dog, but because what we do translates into helping humans, many people want to know what they can do to help us be successful,” said Dr. Withrow. “It is such an honor for us, and the trust and faith of our donors – that we can do more and that we can make a difference – is something that we take to heart every day.” ■

Donors Help Reproduce Success at ARBL

If you look at the pedigree of the Animal Reproduction and Biotechnology Laboratory, you have to be impressed at the list of firsts including: first live foals from frozen-thawed embryos, first twin foals from split embryo, first test tube fertilization to produce a live foal, first foals from sexed semen, first foal from frozen oocytes, and more. What started out in 1941 as the Bull Farm in the middle of Fort Collins is now a University Program of Research and Scholarly Excellence.

What you may not know is the role that private funding has played in the continued growth and development of ARBL, especially its satellite program, the Equine Reproduction Laboratory.



Dr. Edward Squires and Alice Walton at the ribbon cutting ceremony for the Equine Reproduction Laboratory.

Originally known as the Animal Reproduction Laboratory, ARBL was established to bring together scientists with a common interest in the reproductive physiology of cattle and horses. In addition to an expansive research program, ARBL gained a reputation for its short courses in cattle and horse reproduction. In fact, one donor became involved with ARBL after attending a short course taught by Drs. Bill Pickett and Ed Squires on artificial insemination. That person, Lucy Whittier, made a donation

of \$1 million in 1998 for reproductive research at Colorado State University and joined ARBL's newly formed Preservation for Equine Genetics (PEG) program.

"If you look at our overall program, you can clearly see the impact of private giving on research, teaching and outreach," said Dr. Thomas Hansen, the Director of ARBL and a Professor in the Department of Biomedical Sciences. "Much private funding has gone toward research activities, as well as renovation of existing buildings and completion of new buildings."

How ARBL has developed its donor base during the last 20 years tells the tale of the facility itself. Individuals become acquainted with the laboratory through short courses and then become interested in further supporting ARBL (income also is derived from short courses). Individuals have had occasion to use one of the many services offered by ARBL including oocyte and embryo transfer, mare and stallion breeding services, cryopreservation, or other services and want to support the research work at the laboratory. Much reproductive technology – and more than a few companies and products – also has spun off from research conducted at ARBL, providing the program with a source of licensing fees and revenue from business holdings. Of course, Colorado State alums and clients of ARBL donate because of the personal connections they have made with faculty and staff at the laboratory, and their desire to continue to support the laboratory's work in assisted reproduction.

Gail Holmes is another person doing all that she can for the Equine Reproduction Laboratory. She met with Dr. Squires to learn about the program and decided that not only did she want to contribute to the program, she also wanted to be an ambassador of sorts and set in motion gifts from other individuals, foundations and corporations. Each year, Holmes coordinates a charity auction benefiting equine research. She also serves as

a board member at the Orthopaedic Research Center. The Walton Family Foundation Inc., through Alice Walton, also supports ARBL and in 2003 contributed \$1.5 million to build a new teaching facility as well as renovate laboratories in existing buildings at the Equine Repro-



Dr. Terry Nett and Mary Kay Watry (1995), a biologist with the National Park Service, take blood from a cow elk in Rocky Mountain National Park during a study of contraception in free-roaming animals.

duction Laboratory, which is located on the Foothills Research Campus.

The Equine Reproduction Laboratory faculty developed the technique of obtaining foals from mares that have recently died. Ovaries are sent to CSU, and eggs are harvested and are then either injected with sperm and transferred to recipient mares (ICSI) or are transferred to the fallopian tube for in vivo fertilization (GIFT). Also, researchers are able to collect sperm from the epididymus of stallions that have recently passed away. In these cases, sperm from the stallion is stored frozen until used in artificial insemination or injected into an egg from a donor mare. The fertilized egg is then transferred into the fallopian tube of a recipient mare. One of the first foals born using these technologies was for Cecilia Hylton. She was so excited about the foal that the Hylton Founda-

tion provided more than \$500,000 in research support.

“Through the years, the faculty has done such a tremendous job in advancing reproductive science, that individuals who regularly use our services want to support our ongoing efforts in reproductive research,” said Dr. Hansen. “The exciting development is that our work is not only beneficial to horses and cattle, but it also can apply to human reproductive challenges. Many of the students who graduate from our program end up heading human infertility clinics. In addition, what we are learning is being

used to control species that are overpopulating their habitat, such as elk or deer, as well as potentially preserving genetic material of endangered species. The technology and advancements in this field are just amazing, and we certainly couldn’t participate at the level we are without support from private donors.”

With all that has been done, there is still much more in the planning stage for ARBL. Additional renovation and new construction is planned for the Foothills Research Campus (see page 4 for related article), which will be funded mainly through private donations. ■

“Our work is not only beneficial to horses and cattle, but it also can apply to human reproductive challenges.”

Cardiac Team at Colorado State Offers Life-Saving Surgery

Last fall, the Animal Heart Center at the James L. Voss Veterinary Teaching Hospital made headlines when Tour de France winner Lance Armstrong’s puppy was treated for a defective heart valve. The yellow Labrador, Rex, became the latest success story for a program that has quietly grown during the last 10 years to become the only veterinary cardiac surgery program in North America to offer a comprehensive set of surgical options to dogs suffering from heart disease, the second leading cause of death in companion dogs.

“Our clients are an incredibly dedicated group of people who want to do what they can to advance cardiac care for all dogs.”

But many of the strides the center has made in cardiac surgery simply wouldn’t be possible without the support of private donors, most of whom have had dogs treated by Dr. Chris Orton, Head of Animal Heart Center and its Open Heart Surgery Program, and his surgical and support team.

“Our clients are an incredibly dedicated group of people, who not only want to see their own dogs live healthy lives, but who want to do what they can to advance cardiac care for all dogs,” said Dr. Orton. “Heart disease in dogs, like in humans, is a major health concern. We can care for many conditions with medication or less invasive surgery, but some problems can only be treated with open-heart surgery. Our goal is to continue to grow a strong cardiac surgery program so that we can provide excellent cardiac care to our patients, while training other veterinarians in this specialty so that owners around the country and the world have this option for their dogs.”

Currently, the Open Heart Surgery Program only is able to perform one to two surgeries a month, and the waiting list is long. The team is limited on



Dr. Chris Orton watches over a patient recovering from open heart surgery.

the surgeries they can perform because open-heart surgery is time- and labor-intensive and requires a team of specialists, high-tech support, and lengthy stays in the critical care unit for recovery. Dr.

continued on page 16

Support Continues to Grow at College

In the 2005-2006 academic year, the College distributed 379 scholarships and awards, with a total dollar amount of \$1,129,686. New funds included a generous gift from Joanne and Chester Lewis, who contributed \$200,000 toward a scholarship fund.

Other new funds include:

- Heart to Heart Hustle
- Equine Complementary Orthopaedic Therapies
- Equine Emergency and Critical Care
- Neil M. Chur Equine Reproduction (pending)
- PVM Student Education Enrichment
- Dr. Ross M. Wilkins Limb Preservation Endowment (pending)
- Dr. Sandra M. Wing Veterinary Medicine Scholarship
- Jean S. and Warren G. Walker, DVM, Family

Creating New Scholarships and Charitable Funds

Several ways exist for alumni, friends, corporations, associations, and organizations to create scholarships, fellowships and charitable funds at Colorado State University.

Expendable Fund

Expendable funds are used to create annual scholarships, fellowships and research support. A minimum gift of \$1,000 opens a named expendable fund account.

Pending Endowment Fund

Pending endowment funds eventually become true endowment funds for scholarship use or other purposes when gifts total \$25,000. A fund may be a pending endowment for a period not

to exceed five years, with all earnings reinvested during the five-year period. If \$25,000 is not accumulated through gifts and interest earnings within five years, the pending endowment becomes an expendable fund.

Endowment Fund

If you wish to establish an endowment, your gift will create a perpetual source of funding for scholarship use. The principal of the endowment remains intact, while earned income is used to support student scholarships or other programs as per your wishes. A minimum gift or combination of gifts totaling \$25,000 establishes a named scholarship for restricted use. ■

Annual Scholarships and Awards 2005

Achievement Rewards for College Scientists (ARCS) Foundation Scholarship
 American Association of Small Ruminant Practitioners (AASRP) Award
 American College of Veterinary Surgeons Award
 American Kennel Club Award
 American Livestock Insurance Company Award
 American Veterinary Medical Association (AVMA) Auxiliary Award
 Animal Emergency Clinic of Omaha, NE Award
 Aqua Vet I Award
 Army Veterinary Medical Award
 Association for Women Veterinarians Award
 John R. Bagby Award
 Bernice Barbour Foundation Scholarship
 Bil-Jac Foods, Inc.
 Baxter and Cindy Black Food Animal Scholarship
 Bond-Centered Practice Award

Chappelle Small Animal Hospital Scholarship
 DVM Class of 1945 Scholarship
 Dr. Frank Enos Memorial Scholarship
 Environmental Health Scholarship
 Environmental Health Outstanding Graduate Award
 Environmental Health Outstanding Researcher Award
 Allan H. Hart/IDEXX Award
 Hawaii Veterinary Medical Association Scholarship
 Hill's Buddy Award
 Hill's Fellowship
 Hill's SCAVMA Pet Food Products Scholarship
 Iams Fellowship
 Iams Food for Thought Scholarship
 Betty J. Jones – The Cassius Cat Foundation Scholarship
 Barbara Joyce Microbiology Scholarship
 Larimer County Veterinary Medical Association Scholarship
 Cindy Lopez Veterinary Scholarship
 Marvet Award

Polly McDonald Memorial Scholarship
 Merck Veterinary Scholars Award
 Microbiology Undergraduate Scholarship
 Nestle Purina Award for Excellence in Companion Animal Nutrition
 Norden Distinguished Teaching Award
 Arthur W. Peterson, DVM Memorial Scholarship
 Pfizer Animal Health Veterinary Award
 Phi Zeta Award
 Phi Zeta Senior Award
 Radiological Health Sciences MS Award
 Radiological Health Sciences PhD Award
 Roaring Fork Kennel Club
 Rural Area Veterinary Services Award
 SCAVMA Outstanding Senior Award
 Schering-Plough Animal Health Corporation Award
 Simmons & Associates Educational Trust Scholarship
 Jofrid L. Torgersen Memorial Scholarship
 Clark D. and Alice Vanderhoof Scholarship
 Vet Text Scholarship
 Western Veterinary Conference Award ■

Endowed Scholarships and Awards 2005

- Abney Foundation Scholarship
David Adams Memorial Scholarship
John Alexander Memorial Scholarship
Dr. D. Warner Anderson Scholarship
Arizona Horse Lovers Foundation Scholarship
G. Bill Atchison Memorial Scholarship
James C. Beckley, DVM Scholarship in memory of Bruce (Bud) Elwood Brownson
Blackstock Scholarship
Beulah and Doyle Blair Memorial Scholarship
Brandy and Zombie Memorial Scholarship
George S. Calderwood Memorial Scholarship
E. J. Carroll Memorial Scholarship
Cole Endowment Scholarship
Colorado Environmental Health Association Scholarship
Colorado Kennel Club/Agnes Miner Memorial Scholarship
Colorado Veterinary Medical Association Scholarship
Leo F. and Doris M. Conti Scholarship
Erin Corcoran Memorial Scholarship
Lisa Marie Craft Memorial Graduate Scholarship
Floyd Cross Memorial Scholarship
CVMBS Endowment Board Scholarship
Dr. and Mrs. Robert W. Davis Veterinary Anatomy Scholarship
James D. DeField Memorial Scholarship
James N. Dupree Scholarship
DVM Class of 1944 Scholarship
DVM Class of 1950 Scholarship
DVM Class of 1961 Scholarship
DVM Class of 1962 Scholarship
DVM Class of 1963 Scholarship
DVM Class of 1964 Scholarship
DVM Class of 1968 Scholarship
DVM Class of 1976 Scholarship
DVM Class of 2003/2004 Scholarship
DVM Class of 2005 Scholarship
John and Mildred Emerson Scholarship
Barbara (Bobi) Fleischaker and Bill Sallada Memorial Scholarship
Kathleen Foster Memorial Scholarship
Gallatin Dog Club Scholarship
Mark Gearhart Memorial Scholarship
Dr. Downing Glover Scholarship
Richard and Dawn Goates Scholarship
Dr. Reginald L. Gotchy Memorial Scholarship
- Pamela Hill Griffith Memorial Scholarship
Dr. Joseph W. and Arlene R. Harrison Scholarship
Roberta Ann Hartman Memorial Scholarship
Philip J. Hiebert Memorial Scholarship
Dr. Joseph J. Hird Memorial Scholarship
George Holzer Memorial Scholarship
Ed H. Honnen Scholarship
Dr. William A. Howarth Scholarship
Joseph P. and Mable C. Howe Memorial Endowment Scholarship
Tuffy Huber Scholarship
Dr. Robert G. Hutchinson Memorial Scholarship
Harold Ingersoll Scholarship
C. Heyward Jenkins Memorial Scholarship
Lois and Harry Johnson Scholarship
C. Trueman and Elizabeth J. Jones Memorial Scholarship
Jorgensen Laboratories Scholarship
Lisa Akemi Kawai Memorial Scholarship
Drs. Hilan and Evelyn Keagy Scholarship
Kingman ILM Fund
Nick Klaich Memorial Scholarship
Dr. Merrill and Elizabeth Koster Scholarship
Ken Lawson Veterinary Scholarship
Dr. Lynn Leadbetter and Family Scholarship
Josephine C. Linger Memorial Scholarship
Dr. William J. Long Memorial Scholarship
Kirke L. Martin Memorial Scholarship
Mathews Foundation/CVMBS Honors Program Scholarship
Dr. J. Cecil Matlock Veterinary Medicine Scholarship
Eugene A. and Alice J. McHale Scholarship
Wayne and Nancy McIlwraith Orthopaedic Scholarship
Dr. Mark U. McKie Memorial Scholarship
Hermann Meyer Veterinary Anatomy Scholarship
Dr. Donna S. Minion Memorial Scholarship
Sumner M. Morrison Memorial Scholarship
Mortimer/Beef Today/Elanco Scholarship
Dr. Timothy Dwayne Muhr Memorial Scholarship
New Mexico Veterinary Medical Association Memorial Scholarship
Isaac E. Newsom Memorial Scholarship
Rowena Odell Scholarship
Don B. Olsen, DVM – PhD Fellowship
Afton Silver Osguthorpe Memorial Scholarship
- Paul G. and Ruth R. Palmer Scholarship
Pattridge Family Scholarship
Dr. Dean Pavillard Scholarship
Dr. Virgil L. Pennell Memorial Scholarship
Dr. R. Barry Prynne Memorial Scholarship
J. R. Puckett Memorial Scholarship
Dr. William K. Riddell Memorial Graduate Scholarship
Dr. William K. Riddell Memorial Scholarship
Russell F. Rose III Memorial Scholarship
N. A. and Jone Rothenberg Scholarship
Robert Rubin and Maurice S. Shahan Memorial Award
Salsbury Scholarship
SCAVMA Scholarship Endowment
A. William Schramm Memorial Scholarship
Phyllis and Lyle Schwieder Scholarship
SDH Endowed Scholarship
Lloyd C. and Ruth H. Shenk Memorial Scholarship
Gerald J. Shiner, DVM Memorial Scholarship
Dr. Philip E. Sims Memorial Scholarship
Clarence and Trulie Snyder Memorial Scholarship
Drs. Tom Spurgeon and Patricia Brooks Memorial Scholarship
France Stone Scholarship
Carlton Sundberg Memorial Scholarship
Raymond Swift Memorial Scholarship
Alice Bracey Taylor Memorial Scholarship
Thimmig Family Scholarship
Dr. Bob Toombs Memorial Scholarship
Dr. Alan Tucker Memorial Scholarship
Dr. Earl Turner, Class of 1966, Memorial Scholarship
Thomas Edmund and Grace M. Utley Scholarship
John H. Venable Memorial Scholarship
J. L. Voss and A. O. McKinnon Equine Reproduction Research and Scholarship
Ray T. Walker Memorial Scholarship
The Wembly USA/Mile High Greyhound Park Scholarship honoring Benjamin T. Poxson
Christopher Nels Westerberg Memorial Scholarship
Gary Brett Williams Memorial Scholarship
Luanne G. Williams Memorial Scholarship
Dr. Sandra M. Wing Veterinary Medicine Scholarship
Dr. Virgil and Mitzzy H. Yount Memorial Scholarship ■

Miki Society Funds Innovative Research Projects in Canine, Feline and Equine Medicine

The Miki Society for Companion Animal Research supports research to help pets live longer and healthier lives. Gifts are made by veterinarians, pet owners and their friends, and people who simply love animals. Many gifts are made in memory of a beloved pet.

Veterinarians participating in the Miki Society use the program to reach out to clients in sympathy and remembrance. When a client's pet dies, their veterinarian makes a donation in the pet's name. The College then sends a letter to the veterinarian's client, notifying them of the donation. In 2005, Miki

Society veterinarians and friends donated a total of \$65,800. These funds provide seed money for smaller projects that help advance and improve veterinary medical care.

Projects funded this year:

- Dr. Douglas Thamm: Hypoxia-Inducible Factor-1 Dysregulation in Canine Hemangiosarcoma.
- Dr. Eric Monnet: Evaluation of Dynamic External Device to Treat Functional Mitral Valve Regurgitation: A Pilot Study.
- Dr. Craig Webb: Effects of Antioxidant Therapy on Oxidative Stress and

Neutrophil Dysfunction in Cats Infected with Feline Immunodeficiency Virus.

• Dr. Robert Norrdin: Colorado Racehorse Postmortem Evaluation Project.

We would like to thank everyone who contributed so generously to the Miki Society. Your contributions are helping to support research vital to the health of our companion animals.

Miki Contributors

Below is a list of veterinarians, clinics, and others who contributed to the Miki Society in 2005. ■

Miki Society Contributing Veterinarians and Associations 2005

All American City Veterinary Hospital

Scott A. Heaton, DVM

All Pets Veterinary Hospital

Kevin B. Caylor, DVM

Lisanne M. Evans, DVM

Michael R. Fraysse, DVM

Dr. Humphrey

Catherine S. Cheng, V.M.D.

Robert W. Moore, DVM

Alpine Veterinary Hospital

Joe Clark, DVM

Elizabeth Clark, DVM

Animal Care Center

John D. Opalka, DVM

Animal Clinic at the Festival

Kim Saltus, DVM

Animal Hospital

Donald P. Dreyer, DVM

Lynn D. Ferguson, DVM

Rene Nankervis, DVM

Anne Pasek, DVM

Animal Hospital at McCormick Ranch

Sundi Ashenfelter, DVM

Cynthia Brown, DVM

Animal Hospital of Casper

Alan C. Miller, DVM

Animal Medical Center of Wyoming

Darren W. Lynde, DVM

Marshall T. Kohr, DVM

Susan Lucas, DVM

Nicole Allee, DVM

Diane M. Ernst, DVM

Robert Carmichael, DVM

Matt Vercimak

Arvada Flats Veterinary Hospital

Gretchen L. Bassett, DVM

Ashley Creek Animal Clinic

Charlene F. Esch, DVM

Avenues Pet Clinic

Rodney D. Hartshorn, DVM

Carolyn Kamarasy, DVM

Roxane H. MacLellan, DVM

Tina Simmons, DVM

Jean K. Cotton, DVM

Banning Veterinary Hospital, Inc.

Mart D. Westbrook, DVM

John C. McQuown, DVM

Blue Mountain Veterinary Hospital

Rollett A. Pruyun, DVM

Bridger Veterinary Clinic

Ray W. Randall, DVM

Broadway Estate Veterinary Clinic

David Specht, DVM

Capistrano Veterinary Clinic, Inc.

Joseph K. Cortese, DVM

Chaparral Animal Hospital

J. Brent Rollins, DVM

Martin G. Crabo, DVM

C. Renee Andrea, DVM, Dipl. ACVS

Tammi Roalstad, DVM

Evelyn Kass-Williamson, DVM

Audrey A. Kelleman, DVM, Dipl. ACT

Chatfield Veterinary Hospital

Kimberly M. Crawford, DVM

Chickasaw Trail Animal Hospital

Anne M. Scholl, DVM

Conejo Valley Veterinary Hospital

Edward L. Thompson, DVM

Cortez Adobe Animal Hospital

Nancy H. Wegner, DVM

Doberman Pinscher Club of the Rocky

Mountain Area

Staff

Double R Veterinary Clinic

Laszlo P. Pallai, DVM

East Main Animal Clinic

Jean M. Lindley, DVM

Miki Society Contributing Veterinarians and Associations 2005

Estrella Animal Hospital
 William L. Joslin, DVM
 Valery Stevens, DVM
 Ken M. Herman, DVM
 Dr. Sandhu
 Jennifer Flick, DVM

Faust Animal Hospital
 Teri Wiblin, DVM

Fisher's Peak Veterinary Clinic
 William C. Aaroe, DVM

Fort Morgan Veterinary Clinic
 Veterinary Staff

Hilltop Pet Clinic
 Roger J. Neil, DVM
 Emily Buhr, DVM
 Peter Buhr, DVM

House D.O.C.
 Jane E. Klayman, DVM

Indian Peaks Veterinary Hospital, PC
 Lisa A. Sabichi, DVM

Kenline Veterinary Clinic
 Denise M. White, DVM

Laurel Veterinary Clinic, PC
 David P. Morehead, DVM

Leslie Animal Clinic, PC
 Darrly B. Leslie, DVM

Lone Peak Veterinary Hospital
 Veterinary Staff

Mesa Veterinary Hospital
 Veterinary Staff

Monument East Veterinary Hospital
 Paul Hurtado, DVM

Nassau-Suffolk Veterinary Hospital
 Steven B. Holzman, DVM

William R. Haagenson, DVM

Palo Verde Animal Hospital
 Ross Babcock, DVM

Phoenix West Animal Hospital
 Janet L. Houser, DVM

Pitts Veterinary Hospital, PC
 Veterinary Staff

Prescott Animal Hospital, PC
 Steven H. Dow, DVM

Brian K. Nolte, DVM

Pruyn Veterinary Hospital
 Minott E. Pruyne, DVM

Shoni L. Card, DVM
 Sherry Shaw, DVM

Lynn Babbitt, DVM

Paul Schaumberg, DVM

Pueblo Small Animal Clinic, Inc.
 Keith Lorensen, DVM

Kenneth L. Smith, DVM

Rosemont Pet Clinic
 Kim Perkins, DVM

Santa Fe Equine Clinic
 Robert N. Schwyzer, DVM

Thumb Butte Small Animal Hospital
 Elaine Chambers, DVM

Douglas Healey, DVM

Tukwila Pet Hospital
 Richard E. Hazen, Jr., DVM

Union Lake Veterinary Hospital
 Veterinary Staff

University Hills Animal Hospital
 Ted Cohn, DVM

Nancy Willerton, DVM

Susan Barden, DVM

Elaine Martinez, DVM

Kelliaine Puccio, DVM

Valdez Veterinary Clinic
 Kelly C. Hawkins, DVM

Kathryn A. Hawkins, DVM

Valley Veterinary Hospital, PC
 Jeff F. Peila, DVM

Robert W. Biller, DVM

Patricia Miller, DVM

Jennifer McComb, DVM

Veterinary Specialists of Connecticut, PC
 Harlan C. Gustafson, DVM

Veterinary Specialists of North Texas
 Cheryl K. Harris, DVM

Veterinary Specialists of Southern
 Colorado

Chris McReynolds, DVM

Karin Cannizzo, DVM

West Main Animal Hospital
 Janet L. O'Connor, DVM

West Olive Animal Hospital, LLC
 John V. Montana, DVM

White Pine Veterinary Clinic
 Keith S. Lund, DVM

David McDonald, DVM

Rick Sickelsmith, DVM ■



Cardiac Team at Colorado State Offers Life-Saving Surgery

continued from page 11

Orton and his team simply don't have the bandwidth to offer additional surgical slots, which is something he would like to change. Eventually, Dr. Orton notes, he would like to increase the open-heart surgical procedures his team can do to one a week.

Donors like Lois Arnold of Arizona and Deborah Van Dyke King of Montana are doing amazing things to help. Arnold's dog Carmel was successfully treated by the Open Heart Surgery team. Arnold wrote a book about the experience "What Do You Mean, She's Just a Dog?" and in April 2005 launched the Heart to Heart Hustle, a major walk/run benefit to raise funds for the research and treatment of animal heart disease. This year, the Heart to Heart Hustle is slated for Feb. 19 and will once again raise funds to support the Animal Heart Center.

Deborah Van Dyke King is a major donor and supporter of the Animal Heart Center because of her experience with her dog Custer. At 10 months, Custer was diagnosed with tryplastic dysplasia, a fetal heart defect. Surgeons with the Open Heart Surgery Program were able to repair the valve, and Custer lived four more years.

"Our local veterinarian put us in touch with Dr. Orton at CSU, and he clearly explained all the options available to us including medical intervention, surgery, or just watching and waiting," said King. "We wanted to give Custer the best chance possible at a quality life, so we decided to go for surgery to repair his damaged valve. We also felt that Custer could provide a good learning experience for Dr. Orton, Dr. (Leigh) Griffiths, and students at the hospital."

The Open Heart Surgery team also traveled abroad last year with support from an owner in England whose dog, Monty, needed surgery but was unable to travel to the United States because of quarantine requirements. The 6-year-old Rhodesian ridgeback was in advanced



Deborah Van Dyke King and her dog Custer.

heart failure with a leaky tricuspid valve cause by a congenital malformation. Dr. Dan Brockman was interested in starting a cardiac surgery program at the Royal Veterinary College in London and thought that, with the help of the CSU team, Monty would be a good first patient. Monty's owner covered all the team's costs, and Dr. Brockman provided the heart/lung machine.

"Our goal was twofold," said Dr. Orton. "First was to save this dog's life. The second goal, and the one with greater long-term impact, was to help the Royal Veterinary College – probably one of the top veterinary schools in the United Kingdom – establish a cardiac surgery program. Each of our team members had

a corresponding team member learning from them, so the surgery was able to save a life and teach cardiac surgical techniques."

As the Animal Heart Center looks to expand its research, teaching and outreach missions in the coming years, private funding will remain critical to its success. Private support in partnership with the College of Veterinary Medicine and Biomedical Sciences will be necessary to fund additional faculty and research positions, to enable the purchase of new equipment, and remodel and expand animal treatment and critical care facilities. Dr. Orton is sure that with the continued success of the program, clients and their dogs will be the beneficiaries of the exciting times ahead. ■

Opportunities for Private Giving

All charitable contributions to CVMBS programs are tax deductible as allowed by current IRS regulations. The Colorado State University Foundation is a separate 501(c)(3) nonprofit entity that acts as the bank and steward for all charitable contributions directed to Colorado State University. Any gift to the College of Veterinary Medicine and Biomedical Sciences must first go through the foundation. The foundation manages the endowment portfolio of the University and is responsible for distributing endowment interest earnings as directed by donors.

Contributors to the College support such areas as student assistance and scholarships, research, faculty enhancement, capital improvements and memorials. Donors also support the unrestricted fund for discretionary use by the dean of the College. The College distributes these funds to meet the areas of greatest need.



A variety of ways exist for an individual or group to make a tax-deductible charitable contribution, including the following:

Outright Gifts

Cash: Usually in the form of a check payable to the Colorado State University Foundation. The check and/or cash are available for the College to use according to your wishes.

Securities: Stock certificates delivered either directly to the foundation with endorsed stock powers through electronic transfer or through an intermediary such as a bank or broker.

Gifts-in-Kind: Whole or partial interest in valuable items such as art, antiques, computers, laboratory equipment, horses, coin collections or jewelry.

Planned Gifts

Bequest: A specific percentage of the full estate, or the entire estate, is left to the Colorado State University Foundation in your will.

Life Insurance: The foundation is named as beneficiary in your life insurance policy, or ownership of a policy is transferred to the foundation.

Charitable Gift Annuity: An annuity contract obligates the foundation to pay you or other designated beneficiaries a fixed sum annually for life. A deferred payment annuity enables payments to begin after a specified number of years.

Charitable Remainder Trust: A gift of a specific amount is placed in a trust managed by the foundation or a specified financial institution. You turn over control of the funds, but still retain a life income from the funds. After you and any other beneficiaries die, the remainder of the funds comes to the foundation. These trusts may take effect while you are alive or may be created by your will.

There are many ways to help in the advancement of the College, from charitable contributions to volunteering your time.

Charitable Lead Trust: A gift of a specified amount placed in a trust for a specific period. During that time, the foundation received the income from the trust. When the period of the trust ends, the principal is returned to you or a beneficiary. Typically, you are not taxed on the income received by the foundation during the life of the trust.

Real Estate

A gift of real estate may be made as either an outright gift or a planned gift.

Please Call

There are many ways to help in the advancement of the College, from charitable contributions to volunteering your time. You also can access charitable giving information, CVMBS programs, and online giving opportunities at the College's Web site at www.cvmbs.colostate.edu. Click on the Development link.

If you have any questions about making a gift or wish to discuss financial matters concerning your contribution, please contact Paul Maffey, Director of Development, College of Veterinary Medicine and Biomedical Sciences, at (970) 491-3932, or e-mail at rpmaffey@colostate.edu.

Thank you.

University Chairs and Professorships

The College of Veterinary Medicine and Biomedical Sciences is honored to have eight Named University Chairs and Professorships within its departments. University Chairs and Professorships are faculty positions that are funded through permanent private endowments.

Faculty members selected for a Chair or Professorship are outstanding in their field of study, gifted teachers and researchers, and internationally known for their work. The title of University Chair is one of the highest honors Colorado State University can award to a faculty member.

The current Chairs and Professorships as of December 31, 2005, are:

- The John Alexander Chair in Large Animal Reproduction
- The Barbara Cox Anthony University Chair in Oncology – Robert Ullrich, PhD
- The Barbara Cox Anthony University Chair in Orthopaedic Research – C. Wayne McIlwraith, BVSC, PhD
- The Iron Rose Chair in Musculoskeletal Disease and Injury – Christopher E. Kawcak, DVM, PhD
- The Stuart Chair in Oncology – Stephen J. Withrow, DVM
- The University Chair in Orthopaedic Research (pending)
- The Hill's Professorship in Animal Biotechnology – Russell V. Anthony, PhD
- The General H. Norman Schwarzkopf Professorship in Surgical Oncology (pending)
- The Kenneth W. Smith Professorship in Small Animal Clinical Veterinary Medicine – Michael R. Lappin, DVM, PhD
- The Mabel I. and Henry H. Traubert Professorship in Animal Genetics
- Stephen J. Withrow Professorship in Surgical Oncology (pending) ■

College of Veterinary Medicine and Biomedical Sciences
1601 Campus Delivery
Fort Collins, Colorado 80523-1601

Colorado
State
University