



EDITORS NOTE

Welcome to our Winter 2004/05 edition of the *Animal Cancer Center News*. With this edition, we are introducing a new column, "From the Bench," which will be a regular feature highlighting current or future efforts in various areas of cancer research.

We are also pleased to announce some long-awaited additions to our faculty (see "Comings and Goings"). These individuals bring special skills, a positive attitude and the determination that will complement the strengths of our team.

You will also want to read about our plans for the next phase in expanding and strengthening the work and research conducted at the Animal Cancer Center through a unique, one-time funding program called the Academic Enrichment Program.

As always, thanks to everyone who continues to work and support the mission of the ACC: To improve prevention and treatment of cancer in animals and humans.

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"What lies behind us and what lies before us are tiny matters compared to what lies within us."

– Ralph Waldo Emerson

College of Veterinary Medicine
and Biomedical Sciences



Knowledge to Go Places

ANIMAL CANCER CENTER PROPOSES NEW 10 MILLION DOLLAR PROGRAM

An ambitious 10 million dollar plan proposed by the Colorado State University Robert H. and Mary G. Flint Animal Cancer Center to vastly increase and expand research, development, and application of new cancer treatments, as well as create new national and international research partnerships, has been laid before the Colorado State University Academic Enrichment Program committee. If approved, it will make the center an international leader

in basic cancer biology and translational research used in the discovery and application of novel cancer diagnoses and treatment. It would also make Colorado State University the first and only veterinary school in the nation to offer an advanced degree in cancer biology.

The proposal envisions a premiere cancer research network centered at Colorado State's Animal Cancer Center, which already holds international recognition for its outstanding achievements in cancer research and is the point of focus for all cancer related activities at the university. Through the creation of new national and inter-



Patient set up using the current linear accelerator at the Animal Cancer Center.

national scientific collaborations, and the strengthening of existing campus-wide and regional research partnerships, the focus of the proposed program is to develop and apply molecular medicine in translational and clinical research.

"The program was designed by Dr. Robert Ullrich, director of research, Dr. Ed Gillette, assistant director, and myself" said Animal Cancer Center Director Dr. Stephen Withrow. "Between the three of us, we have almost a century of experience in battling cancer with surgery, radiation, and chemotherapy. In envisioning the program's structure, we saw a way of both

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ACADEMIC ENRICHMENT PROGRAM *(continued from page 1)*

increasing and expanding our knowledge of cancer and having a greater impact on the search for new answers to old questions.”

The Academic Enrichment Program at Colorado State is a source of one-time funds to support unique, high quality academic programs at the university over the next five to ten years. Quality and pursuit of excellence are the features that take precedence over all other considerations in decisions made about which people, programs, and resources receive funding. The committee looks for programs that are tightly focused on elevating the quality of academic programs and that are designed to sustain that quality.

For this proposal to gain approval, the Animal Cancer Center must provide evidence that it can fund the first \$5 million from private donations, which will then be matched through the Academic Enrichment Program.

The ACC proposal has identified three specific areas for expansion. These areas take advantage of existing strengths at Colorado State, and include:

Experimental therapeutics encompasses a number of areas, including new chemotherapy drugs, specially designed therapies that target specific pathways in cancer cells, immunotherapy, cancer vaccines, and investigation of other agents and how they interact with traditional cancer therapies. Clinical trials, which are the cornerstone of evaluating experimental therapeutics, usually benefit the veterinary patient as well as the intended human counterpart.

Functional imaging not only permits veterinarians to look at tumors in non-invasive ways, but also allows close examination of the biological differences between the cancerous tumor and normal surrounding tissues. The ability to see and study these differences

may permit researchers to further exploit them for therapeutic purposes.

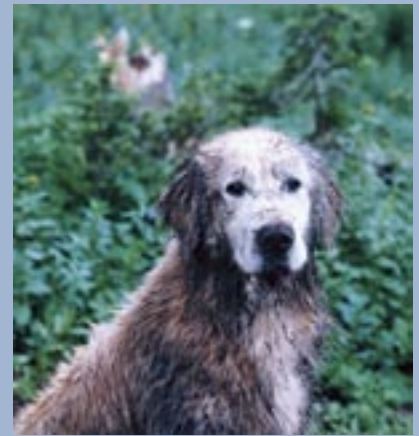
Finally, investigating the **molecular signatures of cancer** involves looking at cancer on a molecular level, studying the DNA, RNA, or proteins to better understand what makes each cancer cell different from normal cells and from other cancer cells. Once these “signatures” are identified, they can be used to help prevent and treat cancer more effectively.

To achieve these goals, the Cancer Center proposes:

- **Recruiting eight new faculty members with expertise in strategic areas that will expand and complement current strengths.** The new positions recommended for this initiative include experts in:
 - imaging physics and medical physics,
 - complementary and alternative medicine (CAM),
 - cancer genetics,
 - epidemiology,
 - pharmacology,
 - musculoskeletal biology,
 - cancer biology, and
 - a clinical trials coordinator.
- **Acquire new state-of-the-art equipment.** The necessary, major equipment items include a state-of-the-art linear accelerator.
- **Facilitate more national and international collaborations, cross-departmentally, in cancer research at CSU.** Consortia of people, programs, and equipment are often more broad in scope and more efficient than one lab, one researcher, one piece of equipment, and a narrow focus. The goal of this directive is to develop and deepen external relationships – regionally, nationally, and internationally.
- **Develop a world-class training program in Cancer Biology.** It is critical to produce exceptionally well-trained scientists in

the area of cancer research. The focus of training is a graduate degree program in Cancer Biology aimed at producing broadly trained Ph.D. and D.V.M./Ph.D. cancer biologists.

Through this initiative, which greatly expands opportunities for training and institutes a formal set of courses that provides a broad background in all aspects of cancer biology, a unique educational program will be established – the only one of its kind in the United States. ●



Dear Dr. Dernell,

I finally had some photos developed, and I'm sending them to you along with this note. Thank you for the time and attention you gave to us in May, when I was concerned about the new lump on Sunny's jaw.

I've always believed that quantity of mud is directly related to level of enjoyment. This last weekend Sunny and I enjoyed an 11 mile hike in the mountains, and when we came home, he was pirouetting around the living room. Not bad for an 11 year old, half-jawed golden retriever.

Thank you again.

Rebecca

HOSPICE CARE OFFERS A WELCOME OPTION FOR FAMILIES WITH TERMINALLY ILL PETS

Had you asked Dr. Chuck Johnson about hospice care 30 years ago, when he was a veterinary student, he would probably have given you a blank look. At that time, the concept was just beginning to emerge in human medicine among cancer patients and was non-existent in veterinary medicine, says the local Fort Collins practitioner. Today, ask Dr. Johnson about pet hospice care and he'll cheerfully give you a quick and thorough lesson on the topic.

"When I was a student, we weren't taught to deal with death and dying. We were trained to diagnose and treat animals for disease, broken bones, and other physical problems," Dr. Johnson explains. "To a certain degree, death and dying is still an aspect of a veterinary student's education that needs to be more fully addressed, although that is changing."

Developed by local Fort Collins practitioners, Front Range Community College Veterinary Technician Training Program, Hospice Inc. of Larimer County, and the Argus Institute at the James L. Voss Veterinary Teaching Hospital at Colorado State University, the Pet Hospice program is unique among such programs around the country.

Dealing with terminal illness – not just cancer – is one of the most difficult aspects of medicine, either human or veterinary. As companion animals have increasingly become accepted as loving family members, the emotional, ethical, and moral considerations of handling a pet's terminal illness in a caring, respectful way are very real issues. Owners want the best possible care for their pets during their final days and those individuals involved with the Pet Hospice Program believe the best level of comfort and care is achieved by family caretakers, in a home setting, with professional medical guidance.



*Kira Mendez,
July 4, 1994 – March 16, 2004,
benefited from hospice care.*

"The program offers families a chance to bring their pets home and to take the time to say goodbye in their own way," says Gail Bishop, Clinical Coordinator with the Argus Institute at the James L. Voss Veterinary Teaching Hospital. "But it is also unique in that the case managers and team members are veterinary students or veterinary nursing students who are working to fill a real need and, in doing so, gain valuable professional and personal experience."

The American Veterinary Medical Association, in their guidelines for Veterinary Hospice Care, recommends that pet hospice, like human hospice, is provided through a team approach with a team consisting of the pet owner and family members; a veterinarian to oversee the medical care and prescribe all necessary medications; veterinary nurses who can explain to an owner how to administer drugs, insert an IV, and perform other caretaker responsibilities; and a grief counselor to advise the family through the grieving process.

If a client chooses hospice care, the participating veterinarian will contact the Pet Hospice Program office at CSU's Argus Institute. The volunteer team manager will obtain the client and patient information from the referring veterinarian, coordinate and schedule a team of volunteers. The team may include CSU veterinary students, veterinary nursing students from the local Front Range Community College Veterinary Technician Training Program, and others. The team works with the family to provide home care instruction, regular medical check ups, and emotional support during their pet's last days. Grief counseling continues to be provided for weeks after the death of the pet. The service is free of charge to both the veterinarian and the client.

"This process does not exclude euthanasia, but recognizes that it should occur at the right time for both the patient and the owner," explains Gail Bishop. "Ideally, an animal can be made comfortable at home, in familiar surroundings, with family members and a team of professionals to manage its health problems, especially pain control. If the problems cannot be managed well enough to allow the animal to be comfortable, then euthanasia is a viable option."

Although hospice is a wonderful option for many terminally ill pets, it can be time consuming and difficult for both the veterinarian and the family. Most veterinarians are not staffed or equipped to make regular house calls, nor are most families accustomed to performing the types of caretaker tasks required to keep their sick pet comfortable.

"This is where the veterinary student as hospice worker can really help," says Tom Allen, a third year veterinary student and co-project team manager. "In

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ANIMAL CANCER CENTER DIRECTOR RECEIVES TWO AWARDS FOR OUTSTANDING CONTRIBUTIONS TO SCIENCE, EDUCATION, MEDICINE

Dr. Stephen Withrow, Director of the Colorado State University Animal Cancer Center, has been recognized many times in the past for his outstanding contributions in the areas of science, medicine, and service to humanity, but this year brought two special honors: the Bonfils-Stanton Foundation Award for Lifetime Achievement in Science and Medicine and the title of Colorado State University Distinguished Professor.

Often described as Colorado's version of the Nobel Prize, the Bonfils-Stanton Foundation award is given to three Colorado citizens each year in recognition for lifetime achievements in the arts and humanities, community service, and science and medicine. Dr. Withrow was recognized for his work in pioneering techniques in cancer treatments for animals that also show promise in treating human cancer.

The Bonfils-Stanton Foundation is a private, nonprofit Colorado corporation created to enhance the quality of life for Colorado residents. The focus of the Foundation is to advance excellence in the areas of arts and culture, community service, and science and medicine through strategic investments resulting in significant and unique progress in these fields.

Charles Edwin Stanton established the foundation in 1962 following the death of his wife, Mary Madeline (May) Bonfils Stanton. Mrs. Stanton was the daughter of Belle and Frederick Bonfils, a co-founder of *The Denver Post* newspaper.

In recognition of Mr. Stanton's desire to honor individuals who are making significant and unique contributions in the fields of arts and culture, community service, and science and medicine, the Founda-

tion established the Bonfils-Stanton Foundation Awards in 1984. Each year since then, the Trustees have honored three outstanding Coloradoans with the dual goals of bringing acclaim to their efforts and motivating others to greater accomplishments on behalf of Colorado and its citizens.



Left to right: Palmer, Sue, Steve, and Cate Withrow.

"These are extraordinary individuals who have made extraordinary contributions to our community and beyond," said Bonfils-Stanton Foundation Board Chairman Johnston R. Livingston. "By recognizing them, we hope not only to draw attention to what they have done, but to inspire others, as well."

Colorado State University also recognized Dr. Withrow's scientific achievement and dedication to teaching and service by conferring one of its highest academic honors, University Distinguished Professor.

A maximum of 12 current faculty members at the university may hold the rank of University Distinguished Professor, which is a permanent designation. To obtain the rank, faculty members are nominated through an extensive review process and must be approved by the current University Distinguished Professors. Colorado State University President Larry Penley approved the selection and secured

endorsement from the university's governing board.

"The position of University Distinguished Professor is conferred upon truly extraordinary faculty members," President Penley said. He also offered praise for Dr. Withrow's commitment "to leading Colorado State with excellence, dedication, and pioneering intellect."

Through a long and impressive career in animal cancer research, Dr. Withrow has gained international status and acclaim for his work and the groundbreaking work conducted by research teams at the Animal Cancer Center. Research conducted at the center has contributed to improved treatments for both animal and human cancer patients.

Twenty-five years ago, Dr. Withrow and Dr. Ed Gillette established the Animal Cancer Center at Colorado State University, now the largest animal cancer center in the world. The center has trained more veterinary surgical, medical, and radiation oncologists than any other veterinary institution and it is the only veterinary cancer group to have more than 25 consecutive years of funding from the National Cancer Institute. Dr. Withrow has been a 10-year project leader for the National Cancer Institute.

Although dedicated to his work at the ACC, and devoted to his family – wife Sue, daughter Cate, and son Palmer – Dr. Withrow has demonstrated a strong commitment to another, very special group. For 23 years, he has volunteered as a counselor and fundraiser for the Sky High Hope Camp for children with cancer, earning him the Ronald McDonald House Volunteer of the Year award in 2003, a recognition that Dr. Withrow values as highly as any he has received. ●

AWARDS AND ANNOUNCEMENTS

Once again members of the ACC made the trip to the annual Veterinary Cancer Society meeting, held this year in Kansas City. Our members presented eight scientific papers and attended four days of informative sessions regarding the leading edge discoveries in veterinary cancer research.

June 2004 marked the 7th annual American Cancer Society's Relay for Life. The ACC participated by fielding two teams who raised over \$1,800. Those who walked and camped out had a great time.

Congratulations to Drs. Claudia Walter and Marie Mullins for passing the American College of Veterinary Internal Medicine qualifying exam in June 2004. Also, Drs. Simon Kudnig and Sarah Boston passed the American College of Veterinary Surgeons Certifying exam in February 2004. Dr. Monique Mayer passed the Ameri-

can College of Veterinary Radiologist-Radiation Oncology specialty examination. These individuals worked very hard to achieve their goals and we commend them for it. Great job, everyone!

Dr. Steve Withrow was the recipient of several special honors this year including University Distinguished Professor. See page 4 for more information.

Carol Horner was honored this spring with the annual College Outstanding Employee Service Award. Carol provides administrative support to numerous faculty, residents, technicians, and graduate students from various sections including Diagnostic Imaging, Oncology, Radiation Oncology, and others housed in the ACC.

"When given a vision of what needs to be accomplished Carol organizes, directs, and manages the task to successful completion.

She is one of the most congenial, cooperative, and pleasant individuals I have had the opportunity to work with in more than 30 years," said Dr. Richard Park, her supervisor. Those of us who work with Carol on a daily basis couldn't agree more.

Several ACC members were given Star Performer awards, given by Hospital Director Dr. David Lee in recognition for consistently exceeding the duties and expectations of their positions. They included oncology nurses Ken Crump and Mary Lafferty, receptionist Krina Galvin, administrative assistant Lynda Reed and Dr. Sue Lana.

Judy Walton was named President-elect of the Veterinary Technician Cancer Society (VTCS), replacing Ken Crump as outgoing president. ●

IN MEMORY OF SHANA

When the going gets tough, the tough get creative.

In the summer of 1998, Shana Slutsky was diagnosed with bone cancer in her front leg. Traditionally, amputation is the recommended treatment but Shana's owners, Kathy and Mike, came to CSU looking for alternatives. The ACC team of oncologists offered a rarely used and minimally publicized technique that had been done on a few human patients in Japan. This new approach to limb sparing involved removing the tumor and some normal bone from the body, applying a huge dose of radiation (7000 rads) to that tumor, and returning the now dead tumor to the body. Shana was the first veterinary patient to undergo this new type of limb sparing procedure. By using the body's own bone as a "replacement part" the rate of infection and rejection is thought to be greatly decreased. Shana did




incredibly well, enjoying six years of cancer free remission until she recently developed a second kind of cancer and died on August 3, 2004. Through the dedication and commitment of her owners, Shana paved the way for more than 17 other dogs to have a similar procedure. While not all of the patients have done as well as the first, we would like to thank Shana and her owners for their courage.



X-ray of Shana's new leg several years after surgery.

WELCOME NEW FACULTY

 We would like to welcome two new medical oncology faculty to our ranks. Dr. David Vail joined the Animal Cancer Center on September 1. Dr. Vail comes to Colorado State from the University of Wisconsin, Madison, where he was section head of the Clinical Oncology Service at the Veterinary Medical Teaching Hospital.

Dr. Vail received his D.V.M. in 1984 from the University of Saskatchewan. He graduated with his master's degree in 1990 from Colorado State University, and also completed a residency in medical oncology at the Department of Clinical Sciences. Dr. Vail did an internship in small animal medicine and surgery at CSU in 1985, and was in private practice from 1985-1987 in Edmonton, Alberta, before returning to CSU for his residency and master's program. After his residency at CSU, he joined the faculty of the School of Veterinary Medicine, University of Wisconsin.

Dr. Vail has received numerous honors and awards during his career, including the Mark Morris Sr. Distinguished Research Award and the American Association of Feline Practitioners Annual Research Award.

Dr. Doug Thamm joined the team on November 1. He received his undergraduate and V.M.D. degrees from the University of Pennsylvania. After a one-year internship in Small Animal Medicine and Surgery at Red Bank Veterinary Hospital and Referral Service in Red Bank, NJ, he completed a residency in Medical Oncology at the University of Wisconsin. Dr. Thamm's most recent position was as Assistant Scientist in the Oncology Section at UW, and as the Staff Oncologist at the Animal Emergency Center in Milwaukee, WI. His clinical interests include novel treatments for canine mast cell tumor and lymphoma, cancer immunotherapy, and neo-

plasia in large animals and special species. His laboratory interests focus on the role of tyrosine kinase growth factor receptors in canine and feline neoplasia, and on novel

strategies for cancer vaccination.

We look forward to their contributions to our continued mission and welcome them to the ACC family. ●

HOSPICE CARE *(continued from page 3)*

regular visits, we serve the needs of the veterinarian and the client. We can make sure the animal is comfortable and pain-free, do client assessments, keep complete records, and keep the veterinarian fully informed of the patient and client situation. In return, we, as students, are gaining remarkable experiences to which we might not otherwise have access."

"We monitor the pet's health, respond to owner's questions and concerns about caring for their dying pet, and offer support in an extremely difficult, emotional situation," he says. "If a protocol needs to be changed, that is done by the veterinarian."

Dr. William Dernell, faculty adviser to the Pet Hospice Program, agrees that this service fills a long-time need for good end-of-life care for their animal patients.

"We, as veterinarians, have learned better ways to prevent, diagnose, and treat disease. Yet, when the time comes that the disease finally catches up with our patients, we struggle with how to give them the care they need, as

well as how to provide the best care for their owners," Dr. Dernell explains. "Having an organized Pet Hospice Program in place fills that end-of-life, patient/client care gap."

Hospice for humans first gained acceptance among cancer patients in the late 1960s and is now considered an important aspect of caring for terminally ill patients suffering from any condition. According to the American Animal Hospital Association, hospice care "focuses on giving pets a safe, caring, intimate end-of-life experience in their familiar environment."

"Hospice is not a specific place, but rather a philosophy that promotes an alternative to death in an impersonal, clinical hospital environment. It functions on the principle that death is a part of life and terminal illness and death can be experienced with dignity, as an animal rests at home with its loving family." ●

– The American Animal Hospital Association.

Dr. Withrow,

Thanks again to you and your staff and students for taking such great care of Isaac last July. Since then, he has been happy and healthy – back to his regular spunky self! We can't thank you enough for everything.

Many thanks!

Christine and Jason Oehlkers and Isaac





FROM THE BENCH

NOVEL TREATMENT FOR OSTEOSARCOMA MAY HELP CHILDREN AND DOGS WITH BONE CANCER

Research veterinarians at CSU's Animal Cancer Center are studying a new method for delivering a unique drug therapy that may have huge benefits for patients suffering with osteosarcoma, or bone cancer.

Bone cancer is commonly diagnosed in pet animals. At the Animal Cancer Center, we diagnose and care for 150 new cases of canine osteosarcoma every year. The disease also affects humans, most commonly children. Treatment for osteosarcoma usually means surgery to remove the tumor, followed by chemotherapy to delay the spread. Despite good local surgical control and post-operative chemotherapy, the survival rate in children is low and in dogs is even lower.

Although radiation therapy is not currently part of the standard of care for people with osteosarcoma, ACC researchers believe the benefits of radiation for treatment of bone cancer in children and dogs may be underestimated. New radiation treatments are available that minimize the damaging effects to normal adjacent tissues, yet provide improved tumor kill over standard treatments.

Recent evidence in human patients suggests that radiation can increase the progression-free interval and greatly improve the quality of life for those patients with extremity osteosarcoma who

did not undergo surgery. In dogs, evidence suggests that using radiation in combination with chemotherapy increases tumor kill over either treatment used alone.



MRI angiogram showing blood supply to an osteosarcoma.

One new therapy is a bone-seeking, radioactive drug known as samarium. This drug can be delivered into the body by injection where it collects in bone, especially bone tumors. In low doses, the treatment provides pain relief to bone cancer patients. In high doses, samarium has been shown to deliver tumor-killing doses of radiation to osteosarcoma tumors in people, leading to extended life.

Until now, the limiting issue

COMINGS AND GOINGS

 **Dr. Sarah Boston** is welcomed to the ACC as the new surgical oncology fellow. She completed her surgical training at the University of Guelph in Canada and is a native of Alberta. **Dr. Kelvin Kow** has joined the team as a first year medical oncology resident. Dr. Kow recently completed his internship here at CSU after attending veterinary school at Louisiana State University. We are also pleased to announce the arrival of two new medical oncology faculty members, **Drs. David Vail** and **Doug Thamm** (story on page 6). Welcome aboard!

with samarium therapy is the high frequency of toxic side effects to the other cells in the bone marrow, causing children treated with samarium to require bone marrow transplants.

ACC researchers have been exploring a new method for delivering the drug that avoids these side effects. The method involves isolating the blood supply to the affected limb and delivering a dose of the drug directly to the tumor.

In a patient with a leg tumor, for example, the affected leg would be 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 without exposing the rest of the body to its potentially toxic effects. The amount of samarium remaining in the tumor bone is too small to cause harmful side effects, but because it has been delivered directly to the site, the concentrations are high enough to kill the tumor. After delivery to the tumor, the drug is flushed out of the perfusion circuit and the body's own circulation to the leg takes over again.

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 bone cancer patients. ●

Those who have left the ACC include **Dr. Simon Kudnig** who completed his surgical oncology fellowship, and accepted a position in a private practice in Virginia. **Dr. Monique Mayer** also completed her two-year training program in radiation oncology and accepted an academic position at the University of Saskatchewan in Canada. We wish all of those who have trained and worked with us the best of luck in their future endeavors. ●



The Animal Cancer Center
James L. Voss Veterinary Teaching Hospital
Fort Collins, Colorado 80523-1620

Knowledge to Go Places

www.csuanimalcancercenter.org

Address Service Requested

HONOR ROLL

Generous giving from the private sector to the Animal Cancer Center has become more and more important over the years. The following individuals (in alphabetical order) are especially noteworthy in that they have given once, or in a sustained way, more than \$25,000 to support the efforts of the Animal Cancer Center. Our heartfelt appreciation goes out to them.

Barbara Cox Anthony
Major General John H. Bell
Maria Bristol

Don and Katy Callender
Charles Engelhard Foundation
Colorado State University
Research Foundation
Dr. William and Sara Dehoff
Walter and Jaynn Emery
Gene and Marylynn Fischer
Robert H.* and Mary G. Flint*
Mari George
Golden Retriever
Endowment Fund
Ed and Marilyn Hansen
Jeff and Renee Harbers
June Harper

Institute for Limb Preservation
William E. Johnson
Lawrence L. Jones, III*
Dr. Norman and Ann Jorgensen
Gretchen* and Taylor Joyner
Lillian M. Key
Robert and Eva Knight
Robert and Evelyn McKee
Foundation
David Merin Foundation
Thelma C. Morici
National Institutes of Health
Gary L. and Alice M. Nordloh
Reiman Charitable Foundation

Cathy and Harold Roozen
Rotherham Family
Albert and Nancy Sarnoff
Patricia Shay*
Charles R.* and Lucia H. Shipley
Foundation
Jacquelyn A Smith*
David and Peggy Sokol
E. Hadley Stuart Family
William V. Taylor
Ted and Lori Venners
Rosamond Zetterholm*

*Deceased

----- *- Detach and Mail -* -----

WINTER 2004/2005

- I want to assist financially in furthering the work of the Animal Cancer Center. Enclosed is my gift of \$ _____. My check is made payable to *Colorado State University Foundation Animal Cancer Center*.
- My contribution is in memory of _____ (pet's name). (Please complete if your contribution is a memorial contribution.)
- My employer will match my contribution (and double my gift). Enclosed is the company's matching gift form.
I understand my gift is fully tax deductible as provided by law.

Name _____ Phone(_____) _____

Address _____ City, State, Zip _____

Although we appreciate any and all donations to the Animal Cancer Center, the cost of publication and mailing requires us to limit the mailing list to clients seen within the last year and referring veterinarians. A minimum donation of \$100 is necessary to remain on the permanent mailing list. Please return this form with your gift to: **The Animal Cancer Center, Veterinary Teaching Hospital, Colorado State University, Fort Collins, Colorado 80523-1620.**

THANK YOU!