

Kansas State University College of Veterinary Medicine

# Healing Hands

ALL ABOUT  
**Alpacas**

Addressing  
new **TRENDS** in  
animal **CARE**  
and  
**EDUCATION**

ALSO IN THIS ISSUE:

**Veterinary response  
after the Greensburg tornado**

**Dr. Billy Bergin's books  
about the Big Island**



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**About the cover:** Dr. David Anderson, right, presents a Wet Lab on camelid care while several attending veterinarians look on during the Camelid Care Conference held in August. See story on page 14.

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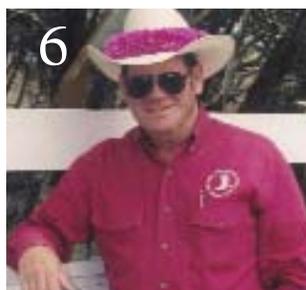
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# Foreword — progress

## 3 THINGS TO WATCH IN THE COMING YEAR

The beginning of every new semester brings about a certain degree of **optimism** and **enthusiasm**. This fall the College of Veterinary Medicine has three extra reasons for excitement.

**1** One is a once-in-a-multigenerational-lifetime **opportunity**, as Manhattan has been named one of five site finalists for the \$450 million National Bio and Agro-Defense Facility (NBAF). If we are selected next year, this would have a positive impact on veterinary medical education, graduate education and training future researchers for the USDA Agricultural Research Service. NBAF will replace the Plum Island Animal Disease Research Center in New York.

This is an opportunity that exemplifies the CVM's partnerships with the different colleges at K-State and different entities such as the Kansas Livestock Association, governor's office and private sector, including the Kansas City Animal Health Corridor and Kansas City Area Life Sciences Institute.

Additionally, we're pleased to announce the **recruitment** of Dr. Juergen Richt as our new Regents Professor. His experience and **reputation** will contribute tremendously to our universitywide commitment and overall standing in food safety and security, and animal health, as associated with NBAF and Pat Roberts Hall.

**2** Reason two for excitement is that the CVM is embarking upon a **paperless classroom** initiative where first-year students will be issued a "Tablet" computer on which to take notes, access course material and interact with instructors. This is a tool we hope will help improve learning and is designed for a generation who is used to electronic communications.

We are also restructuring our library for information access to help today's students who are well-trained and comfortable with electronic media to capture and master the massive amounts of emerging knowledge.

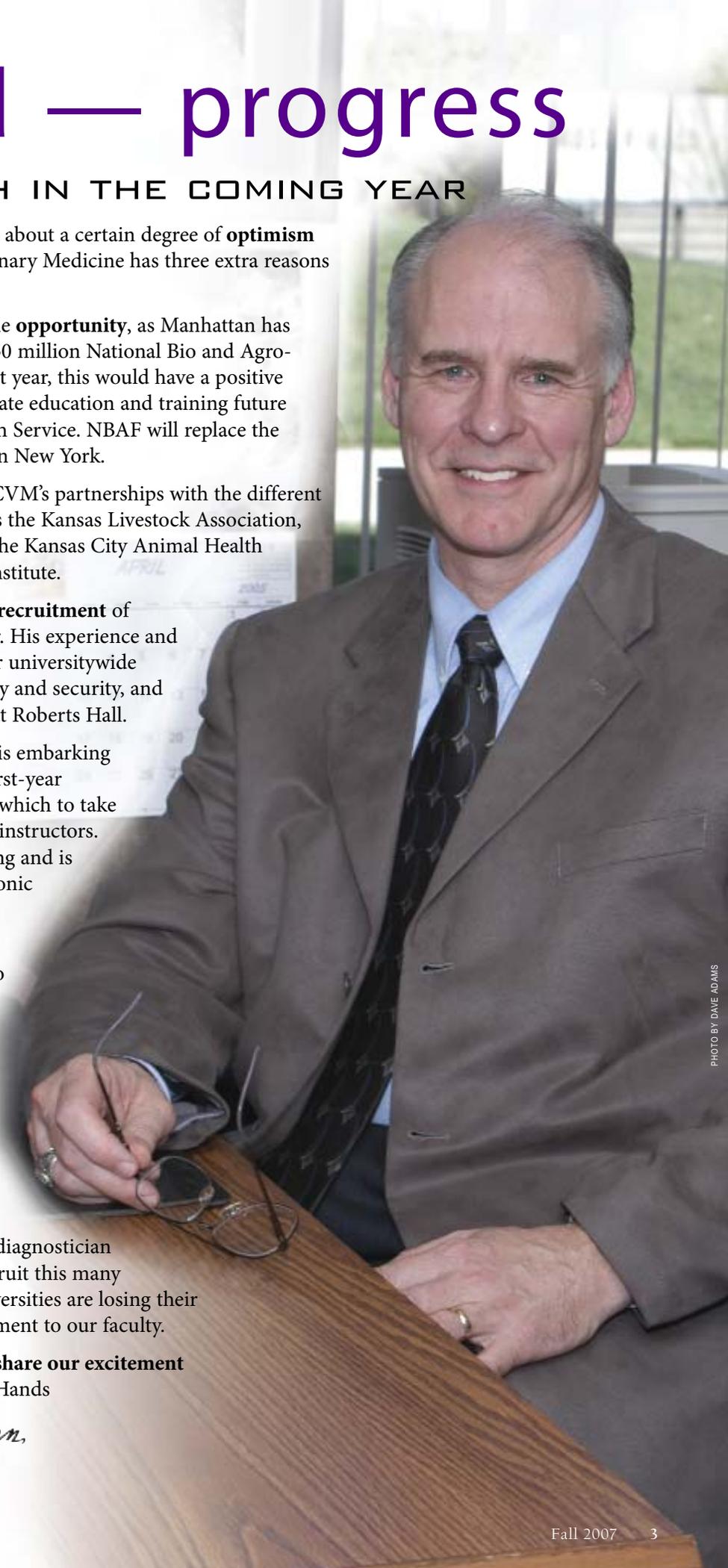
**3** Our third area of excitement involves the recruitment of several new **specialty-trained faculty** including two cardiologists, two oncologists, a small animal surgeon, a large animal emergency clinician, a small animal internist, an ophthalmologist, an anesthesiologist, a pathologist, a molecular diagnostician and two clinical pathologists. The ability to recruit this many specialists in an environment where many universities are losing their specialists to the private sector is a real compliment to our faculty.

I invite you to **keep in touch** and hope you **share our excitement** as you read the stories in this issue of Healing Hands

Sincerely,



Ralph Richardson, DVM, Dean



# bits & BYTES from the College of Veterinary Medicine

## Six gone to Uganda & back

In March, six K-Staters gave a presentation about their trip to Uganda with the Christian Veterinary Mission.

The team included fourth-year students Chris Payton, Toni Brandt and Jennifer Turner; grad students Dr. Becky Smith and Dr. Aric Brandt; and nurse Dana Payton.

They were inspired by Dr. Val Shean who spoke at K-State for Real Life, Real Impact weekend. Because there are few veterinarians in Karamoja, Dr. Shean trains the village people as community health workers to provide basic services.

The K-State team traveled to Karamoja, a semi-arid region in northern Uganda, and lived among the Karamajong, an ethnic group that lives a semi-nomadic lifestyle.

The team acquired blood samples from cattle to test for tuberculosis and brucellosis, diseases that infect natives. They also taught veterinarians and animal health workers the basics of sampling, diagnostics and survey techniques.



Chris Payton, Dr. Moses, Dr. Opio, Jennifer Turner, Dr. Val Shean, Dr. Aric Brandt, Dr. Becky Smith and Toni Brandt

## Manhattan finalist for NBAF: New regents professor to add expertise

The Kansas Bioscience Authority announced that Manhattan was selected as one of five finalists for the \$450 million National Bio and Agro-Defense Facility. The decision was made after months of intensive review by the Department of Homeland Security. The proposed Manhattan site is located on the campus, directly adjacent to the new Biosecurity Research Institute and near the CVM.

"We believe Manhattan offers the perfect location for NBAF. Our nationally recognized expertise in agriculture, zoonotic emerging and reemerging infectious diseases, and livestock medicine is on par with any organization in the world," said Dr. Ron Trewyn, vice provost for research.



Dr. Juergen Richt

The CVM has selected Dr. Juergen Richt, Ames, Iowa, for an appointment as Regents Professor, the most highly honored of all academic appointments in the Kansas Regents system of universities and colleges. His appointment is also related to the university's efforts to become the NBAF site.

Dr. Richt is currently a lead scientist and veterinary medical officer with the National Animal Disease Center (NADC) in Ames and he teaches at Iowa State University. NADC is an arm of the Agricultural Research Service and is the major USDA center for research on livestock and poultry diseases. Dr. Richt is an expert in emerging animal diseases, especially in understanding the molecular pathogenesis and epidemiology of emerging zoonotic pathogens such as prions, influenza virus and borna disease virus.

## Media quotes Dr. Powell on food safety issues

Whether good or bad, food safety has been a hot topic in the news this past summer. Experts in the field are therefore in high demand from the popular media. One such expert is K-State's Dr. Doug Powell, associate professor of food safety and director of the Food Safety Network.

Dr. Powell was quoted in July by both USA Today and the Washington Post in stories about the safety of Chinese food imports. He was also quoted in a recent issue of Ag Weekly.

"When we talk about food safety, whether it's with farmers, regulators or restaurants, we stress that information must be rapid, reliable, relevant and repeated," Dr. Powell said. "I try to practice what I preach."

Dr. Doug Powell

Dean Ralph Richardson and Pfizer's Steve Clarken



## Pfizer makes \$100,000 gift for beef medicine course

The CVM introduced a six-week intensive advanced beef production medicine course in May. The course was made possible in part from ongoing support from the Pfizer Animal Health Beef Production Medicine Fund with a gift of \$100,000 to be distributed over two years.

"Pfizer is proud to help the expansion of the beef production medicine initiative at K-State because we understand the success of beef producers is impacted by the expertise of the veterinarians who serve them," said Steve Clarken, Pfizer beef group director.

The courses are taught by a team of beef production medicine experts at K-State and by guest lecturers from industry, private practice and the K-State Department of Animal Sciences and Industry.

## Kansas State Veterinary Diagnostic Lab offers innovative BVDV test

The Kansas State Veterinary Diagnostic Laboratory (KSVDL) is the first lab in the United States to use a newly developed, highly sensitive test to accurately detect bovine viral diarrhea virus (BVDV).

The virus causes economic losses to cattle producers through decreased weight gains, decreased milk production, reproductive losses and death. It is estimated that 80 percent of cattle in this country have been exposed to BVDV, and that 70 to 90 percent of infections go undetected because of the lack of visible symptoms.

"We're very pleased to provide the BVDV test to veterinarians and producers of Kansas and surrounding states," said Dr. Gary Anderson, KSVDL director. "Prior technology was viewed as too difficult, unreliable or too costly to run in a high throughput environment. This program truly complements the wide range of diagnostic services we provide for all species."

The testing protocol was developed and evaluated in Europe by AnDiaTec, a German company.

"I have toured K-State's new lab facilities designed to handle the high volume of testing and am very impressed," said Dr. Johannes Kehle, owner of AnDiaTec. "They will have no problem receiving, processing and turning out the highest quality results in the U.S."

The testing procedure identifies and differentiates the two types of BVDV infections in cattle: persistent and transient. Results indicate the test can detect all 68 reference strains of BVDV, including atypical European and American strains such as HOB1 and H138 strains.

"The polymerase-chain reaction (PCR) test utilizes a proprietary process (a lysis buffer) that eliminates the need for the costly, labor-intensive and time-consuming step of extracting RNA from the sample," said Dr. Dick Oberst, director of molecular diagnostics for the KSVDL.

More info about the BVDV test and other KSVDL services are available at 866-512-5650 and on the Web at <http://www.vet.ksu.edu/depts/dmp/service/index.htm>.

## GROW program gets national award with help from CVM participation

The CVM recently engineered an important role in helping K-State's Girls Researching Our World (GROW) program earn national recognition. The Women in Engineering Programs & Advocates Network (WEPAN) presented its Introduce a Girl to Engineering Day Award to the GROW program on June 12 in Orlando, Fla. Susan Arnold Christian, the Outreach Program Coordinator, accepted the award on behalf of the GROW steering committee, which includes the CVM's Dr. Lisa Freeman, associate dean for research and graduate programs.

"Last year, the College of Veterinary Medicine hosted approximately 100 middle school girls for a Saturday event called 'All for Animal Health' (AAH)," Dr. Freeman said. "This event emphasized how advances in science and engineering allow veterinarians to promote animal health and human health. AAH was cited by the nominator for the WEPAN award."

GROW also holds a three-day science, technology, engineering and mathematics camp each June. This year, CVM offered three events called: "Mending Broken Bones," "The Heart of the Matter" and "Equine Exercise Physiology."



Participants in the GROW program are exposed to veterinary topics during one of the summer workshops.



# Hawaiian Historian

## Dr. Billy Bergin's chronicles of cattle ranching & cowboys on the Big Island

By Joe Montgomery

**Dr. Billy Bergin at the Case Memorial Veterinary Hospital in Waimea — Hawaii's first combined large and small animal veterinary hospital.**



Photo courtesy of Dr. Bergin

### Say Aloha to cattle ranching

Although Hawaii is well-known for hula skirts and surf boards, you may not realize that it is also home to a historic and extensive cattle ranching industry. Thanks to a K-State veterinary alumnus, Dr. Billy Bergin, you can now learn much more about Hawaii's Parker Ranch and its cowboy history through a series of books called "Loyal to the Land: the Legendary Parker Ranch."

"I set out in 1996 on what I thought would be a six-month project," Dr. Bergin said. "After two years, I realized it was going to have to be done in two volumes. After three or four years, I realized it was going to have to be in three volumes, but now it's built out to be such a huge history, there will be a fourth volume, which should be finished in 2012."

Dr. Bergin gave copies of the first two volumes to the CVM library, but it's also available through other libraries and book retailers.

### From Kona to Kansas and Kentucky

How does Dr. Bergin know so much about the ranch and island? Partly because he was born there. He is a third-generation Hawaiian with an interesting family history.

"The original Billy Bergin came to Honolulu from Ireland in 1888 and did the most noble thing an Irishman could do — he opened a saloon!" Dr. Bergin said.

Dr. Bergin explains that it was more of a hotel with a restaurant and bar, but that it became a haven for retired Irish

sailor-bachelors who would live their life out on the islands.

"Those men pretty much became fond of my father as a baby boy, and in growing up, they sent him to private parochial schools and then on to medical school in Nebraska," Dr. Bergin said. His father later established a medical practice on Kona, the Big Island, which was made up of mostly sugar plantation and ranch personnel.

"I was born and raised on a plantation," Dr. Bergin said. "Plantations had adjacent ranches

because the untillable land was put into cattle. The exposure as a little boy to stables full of draft horses and mules, as well as with my father taking me on house calls in those country villages made me grow up wanting to be a veterinarian. I chose

to go to a Midwestern school where the reputation for large animal medicine was stronger and more historic than at other veterinary colleges."

In 1959, Dr. Bergin went to K-State and proceeded to get a bachelor's degree in agriculture in 1963 and then his DVM degree in 1967.

"Halfway through veterinary school I started on a master's degree, which meant I would have to do the collection of embryos and fetuses for the University of Kentucky," Dr. Bergin

said. "The faculty let me work on my master's degree by carrying extra credit and doing summer studies."

### "When writing comes easy for you, you should publish."

While in Kentucky, Dr. Bergin was working with a well-known equine pathologist, Dr. Jim Rooney.

"I would help Dr. Rooney conduct postmortems on 15 to 20 insured thoroughbreds," Dr. Bergin said. "Because they're insured, mostly by Lloyd's of London, they demanded pathologists do the postmortem. Dr. Rooney was also the guy who would review my writings of the postmortem examination. 'When you do this graduate work, don't simply write a thesis,' he said. 'When writing comes easy for you, you should publish.'"

"I did that. I presented my first formal paper at the American Association of Equine Practitioners

national convention in New Orleans. From that thesis, it grew to include 12 different scientific papers on the embryology of the horse."

After finishing his master's degree in 1968, Dr. Bergin went back to Kona and opened a veterinary practice.

Because of the demands of the practice, he no longer had time to write, but his career would eventually become part of his inspiration to write later in life.

### A Smart offer at the Parker Ranch

"After about two years in private practice, the owner of the Parker Ranch, which was basically next door, asked me to come by and be interviewed to be their resident veterinarian," Dr. Bergin recalled.

Photo courtesy of Dr. Bergin



Dr. Bergin leads a horse named Princess.

Not wanting to put all his eggs in one basket, Dr. Bergin offered to help the ranch owner, Richard Smart, and his manager find an appropriate veterinarian who would suit them. Instead, the Parker Ranch still preferred to hire Dr. Bergin and agreed to let him come aboard as a retained veterinarian, which began July 1, 1970.

"What I did in the next few years was develop a group practice because the whole area began to develop," Dr. Bergin said. "Even though I was retained by the Parker Ranch, they had my entire devotion because of the size of the operation. There were about 300 brood mares and a broad selection of stallions. The total number of cattle was 50,000, which boils down to 18,000 mother cows. I was only 29 years old, so you can imagine the sudden and very profound baptism by fire."

"I had two things going for me. I had already been familiar with the personnel in the field, especially in a situation where people trusted me and knew that I'd already seen a lot of situations that would merit judgment. The other side was the education I got at K-State's College of Veterinary Medicine, where there's great emphasis on the practical side of practice. Most of our professors or instructors were former practitioners who were able to expose you to a lot of situations, just in the routine of taking course work from them. That gave me a great deal of confidence, not overconfidence, but confidence in being able to take on this account."

Dr. Bergin continued as the lead veterinarian for Parker Ranch until July 1, 1995 — 25 years of service to the day. At that time, he sold his ownership in the group veterinary practice to the younger doctors and then went back into solo practice.

### Tragic turning point

While Dr. Bergin's veterinary career was successful, he also had a rewarding family life. He and his wife, Pat, who is

a K-State graduate of the College of Education with a bachelor's degree in 1964 and master's in 1968. They had three sons: Brady, Holi and William N.; and one daughter: Erin. In a sad twist of fate, the Bergins lost Holi in 1995, who had just been admitted to the college of veterinary medicine at Colorado State University.

"Part of the reason I sold my group practice was because I had just lost my son and I wanted solitude to be very ample in terms of trying to deal with the situation," Dr. Bergin said. "I began to become very reflective and I was very much alone a lot of the time, so I decided to write a paper for the American Veterinary History Society, part of the AVMA, and gave it at the Louisville convention in 1996. It was called 'The First Century of Veterinary Medicine on the Big Island.'"

The paper became a turning point for Dr. Bergin, as he received encouragement to take his writing further and focus on a topic within his paper: the Parker Ranch.

"After I presented my paper, people pointed to the fact that Parker Ranch had done so much to foster veterinary medicine on the islands," Dr. Bergin said. "I had taken the time in my 25 years as the lead veterinarian to keep very comprehensive annual animal health reports. When I stepped down, the ranch gave me a gift, which was a bound volume of every report I wrote — it's 4 inches thick! That alone was an inspiration to use that material and write the ranch's history."

Good news came for the Bergins when their son Brady decided to become a veterinarian. He was a senior

in high school when Holi died, and the loss of his brother solidified his decision. He graduated from Colorado State in 2002 and took over his father's practice in September 2007.

### In the works

In addition to his volumes on the Parker Ranch, Dr. Bergin has several other projects under way.

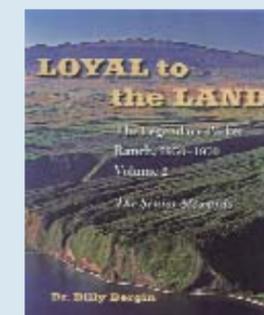
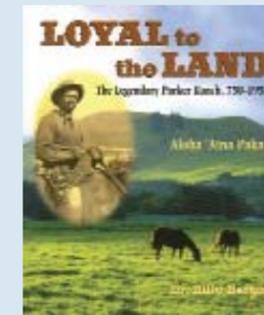
"I'm nearly finished with a book that I'm enjoying more than anything else, which is the history of the feral horse of

Hawaii," he said. "We have our own brand of mustangs. I'm busy working with UC Davis to confirm the DNA of these horses to show they were descendants of the Spanish horses brought here in 1803."

Dr. Bergin is also involved in the Paniolo Preservation Society (paniolo is Hawaiian for cowboy), which has provided source material for some of his other book ventures, such as a coffee table book to be titled "The Cowboy Life of the Far West." He is also co-authoring a biography on Richard Smart.

"You can see that one paper on the 100 years of veterinary service on the Big Island grew into the Parker Ranch book, which then grew into a huge array of books on the history of ranching on the islands," Dr. Bergin said. "Naturally, I can't help but include a lot of veterinary progress in it, because we like to write about our profession, so there's a lot of that in there. Being able to write like this is just a blessing that causes me to look at it more as an obligation to put information in print so it's preserved."

And as they say, the rest is history. 🐾



# EMERGENCY RELIEF

## Volunteers respond to veterinary crisis after Greensburg tornado

By Joe Montgomery

### Prologue

On the evening of May 4, 2007, an EF-5-rated tornado, 1.7 miles wide, hit the south central Kansas town of Greensburg. With winds estimated at 205 miles per hour, the tornado was on the ground for more than 30 minutes and spanned 22 miles. Twelve people lost their lives in this town of 1,500. One of the city officials declared that 95 percent of Greensburg was destroyed. The animal population of this area was also severely impacted. This story is about how several K-State alumni, faculty and students each found a way to help meet the needs of a community in crisis.

### Recognizing the animal crisis

“Research has shown that in a crisis like this, about half the people try to take their dogs or cats with them,” said Dr. Sam Graham, class of 1959. He is the State Veterinarian in the Disease Control Division of the Kansas Animal Health Department. “This can be a problem, because many shelters aren’t prepared to accept pets.”

Dr. Graham was one of the first responders in regards to the animal side of the crisis in Greensburg.

“After hearing about the tornado, I called Matt Mercer, the homeland security coordinator for southwest Kansas,” Dr. Graham said. “I checked in on Saturday and then Sunday, but was told to stand by. When I called Monday, they said to come over. That’s the way an emergency response works. You don’t go until you’re needed, otherwise you’re like excess



PHOTO COURTESY SKAER VETERINARY CLINIC

**Dr. Christen Skaer, left, and Heather Brock, veterinary assistant, examine a cat in the temporary triage center that was established in a KDOT shed, one of the few buildings that remained intact after the tornado hit Greensburg.**

baggage until they know what your duties will be and how they can use you.”

Ultimately, Dr. Graham was assigned to the command staff for technical support for livestock.

“There were a lot of livestock in the perimeter: horses, cattle, pigs, goats — but an immediate concern was the removal of dead stock,” Dr. Graham said. “This was a public health issue, so Steve Wilderding, the state livestock inspector helped to contact desiccators and renderers to dispose of carcasses when they were found.”

PHOTO COURTESY SKAER VETERINARY CLINIC



**Dr. Christen Skaer, left, takes one of the cats to the temporary holding area. A KDOT shed in Greensburg served as a shelter and treatment center.**

### Managing on-site

On the small animal side of this crisis, another K-State alumnus stepped in to help.

“Part of this crisis that had a negative impact on the animals had to do with the amount of time needed for the search and rescue efforts,” said Dr. Christen Skaer, class of 1999, and chair of the State Animal Response Team. She and her father, William, class of 1969, went to Greensburg with some of the veterinary technicians from their clinic in Wichita.

“People in Greensburg thought they’d be back home in a few hours, so they left most of their animals at home,” she said. “They actually weren’t able to come back for three days. If they had planned ahead of time, then that would have cut down on

how the animals were affected. This makes you realize the importance of having a comprehensive evacuation plan.”

By Monday afternoon, the Kansas Animal Health Department set up a temporary shelter for cats and dogs at the KDOT facility in Greensburg, one of the few buildings that survived the tornado. Dr. Skaer helped set up a triage unit to deal with the recovery and treatment, as necessary, of small animals.

“The first few days, we saw a lot of trauma injuries from flying debris,” she said. “Many of these animals were suffering from dehydration. It got really hot in the days after the tornado. We saw some heat stroke and exhaustion, and there were viral infections in the weeks following due to so many animals in close contact with each other at the shelter in Pratt.”

### More help arrives

Dr. Skaer pointed out that a number of local veterinarians showed up to help out, including some from the CVM.

“We saw about 15 or 20 veterinarians who gave endless hours to help out,” she said. “They helped with veterinary care and some donated lots of supplies. Because of the scope of this disaster, we had a lot of needs.”

“The situation was very overwhelming, but with all the volunteers, everybody has a little piece they can help fix,” Dr. Graham said. “If you deal with your issues, then the other volunteers will help take care of the other stuff, so it was just a matter of focusing on what you can do.”

### Lessons learned

Both Drs. Skaer and Graham talked about the impact of their experience in Greensburg. Such a disaster could hit again at any time or in any place.

“In Kansas, every county is supposed to have an emergency response plan for animal disease and natural disasters,” Dr. Graham said. “We learned some lessons in Greensburg that can be given to emergency managers.”

“I think the most important thing is try to educate the general public about evacuation procedures and personal preparedness,” Dr. Skaer said. “It’s important for local communities to develop evacuation protocols. Plus, people should know that there are many resources to learn how to plan. The AVMA has a wonderful emergency preparedness brochure that we’ve started handing out in our clinic in Wichita.”

“All the small animal people did a great job,” Dr. Graham said. “They just need support from the disaster plan to make the decision-making process more efficient. When it comes to a disaster like this, planning and training are everything.” 🐾

## Students get food for thought

For most students, a food run would normally involve a drive through or convenience store, but for four K-State veterinary students, it meant combining energy and resources to help in a time of crisis.

Brisa Hsieh, class of 2009, served as a student representative in the “Food for Thought” program sponsored by Iams and Eukanuba. The program provides free pet food to veterinary students, interns and residents on a first-come, first-serve basis each month.

“At the end of last year, we were able to consolidate two distributions as one,” Brisa said. “Since it was around graduation day, a lot of students didn’t stop by pick up their food, so we had some extra food left over. Usually we like to donate leftover food to the Riley County Humane Society (RCHS).”

Charissa Wood, class of 2011 and RCHS volunteer and shelterer, realized the humane society had plenty of food at the time, so it was logical to find another recipient.

“We felt this would serve as a gift from the humane society as well as from the veterinary students,” Charissa said.

Laura Lawrenz and Carissa Huebert, both class of 2009, volunteered to help deliver the pet food to Greensburg.

“I knew many of the animals found in Greensburg would be going to the Pratt Humane Society,” Laura said. “Since I live about 20 miles south of Pratt, it was convenient for me to deliver it.”

Carissa added, “I also collected human food donations from veterinary students and gave them to the Breadbasket to deliver to Greensburg residents. Later, I helped with cleanup efforts at Greensburg. I really wanted to get some hands-on time volunteering, as Greensburg is only an hour from my hometown, Ingalls.”

The students gained valuable insight from this experience.

“I learned that it really doesn’t take much to do something that will make a big difference,” Laura said. “It also made me realize that the chances are very high that when I’m a practicing veterinarian, I will have the opportunity to offer my services during a disaster.”



**Laura Lawrenz, Brisa Hsieh and Carissa Huebert, class of 2009, load a truck with pet food donations for Greensburg animals. Photo by Charissa Wood, class of 2011.**

The fizz whiz: Dr. Kaufman finds way to make fruit ...

Imagine fruit that sparkles, tingles and is fun to eat. Sound good? Then look no further than Fizzy Fruit, the unique invention of an alumnus who is transforming the way kids feel about eating fresh fruit.

In 1994, Dr. Galen Kaufman, class of 1989, discovered a process that adds carbonation to the water that naturally exists in fresh fruit. The result is carbonated fruit with a 100 percent nutritional value and no additives. He patented his process and named the product, appropriately, Fizzy Fruit.

“Veterinary school opened my eyes to biology and provided a rigorous basis for learning the scientific method,” Dr. Kaufman said. “I remember being amazed at all the information they kept trying to cram into our heads! I think that’s one of the most important lessons of all — to realize how much you don’t know, and to learn how to plow through difficult work and not be too intimidated.”

Fizzy Fruit has gained national attention and has been featured in USA Today, Newsweek, People and dozens of other newspapers and magazines. Currently, the company’s primary markets are school lunchrooms nationwide, where kids are now more willing to eat fresh fruit thanks to kid-friendly Fizzy Fruit. Fizzy Fruit is not currently available on shelves, but plans are under way to sell it in retail grocery chains as well as quick-service restaurants in 2008.

Besides discovering the Fizzy Fruit process,

By Amy Jo Wright

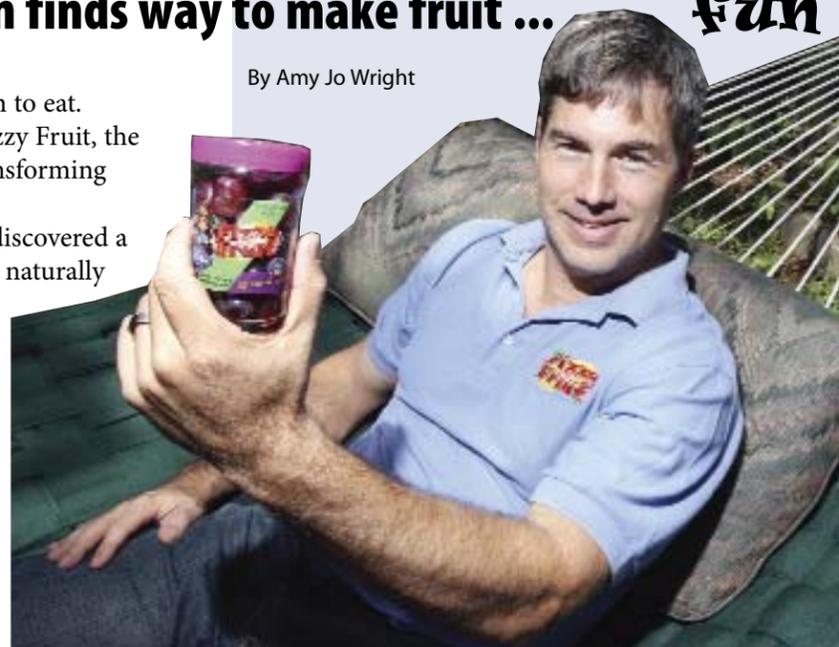


Photo courtesy San Antonio Express-News

Dr. Galen Kaufman shows off a jar of Fizzy Fruit. He discovered a method for carbonating fruit, making it more fun to eat.

Dr. Kaufman earned a doctorate in neurobiology, worked in partnership with NASA and began a neuroscience lab at the University of Texas Medical Branch. He has written two science fiction novels and is an active partner in a business incubation company, MindFund. Dr. Kaufman currently sits on the board for Fizzy Fruit, does public relations and oversees the company’s research and development efforts.

For more information on Fizzy Fruit, visit the Web site: [www.fizzyfruit.com](http://www.fizzyfruit.com).

‘Paperless’ classrooms make debut this fall

By Amy Jo Wright

The Class of 2011 leads the way as the College of Veterinary Medicine transitions to a paperless curriculum. Students can download, write and organize notes from Toshiba tablet computers.

Students received the computers at freshman orientation in August. They were trained to use the tablets, which feature monitor screens that twist around and flatten into a notebook-sized screen. The tablets come with an electronic pen that can be used to write on the screen.

“The paperless curriculum encourages students to become familiar with lifelong learning skills by seeking information via the Internet or electronic publications in a classroom setting,” said Dr. Melinda Wilkerson, interim associate dean for Academic Programs.



PHOTO BY DAVE ADAMS

69th Annual Conference for Veterinarians  
Celebrating 100 Years of Graduating Veterinarians



The 69th Annual Conference for Veterinarians was held in June and incorporated a centennial theme by recognizing the CVM’s 100th year of graduating veterinarians. Some of the activities pictured are from the wet labs, scholarship golf tournament and KVMA Trade Show. Other events included the Heritage Evening banquet, reunions, educational sessions and more. Mark your calendars for the 70th Annual Conference for Veterinarians, June 1-4, 2008. Go online for more at: [www.vet.k-state.edu/CE](http://www.vet.k-state.edu/CE).



PHOTOS BY DAVE ADAMS AND JOE MONTGOMERY



# Hodes' focus

## Faculty gift to help fill CVM 'toolbox'

By Joe Montgomery



PHOTO BY JOE MONTGOMERY

**Colleen and Dr. Steve Hodes tour Trotter Hall during their son's orientation day for first-year veterinary students. Dr. Hodes was in one of the original classes to use the labs in Trotter Hall after the current veterinary center was built in the 1970s.**

For Dr. Steve Hodes, class of 1979, toolboxes are a perfect metaphor for a K-State veterinary education. “Students enter with an empty toolbox and as they go through the vet school, they give you more and more tools to go in that toolbox,” he said. “When you graduate, they tell you you’re a doctor and that you have to go out and use those tools. If you can get really good at using the tools, you can be a good doctor.”

Steve should know. With operational help from his wife, Colleen, he has run a successful practice for more than 25 years in Mine Hill, N.J. They started the practice a year after he earned his DVM. It has grown from being a house-call practice run out of a van into a large mixed practice with 35 employees, including five associate veterinarians.

Colleen, who earned a bachelor’s

degree in physical education at K-State in 1978, is one of three office managers for the practice. Since meeting Steve on a blind date in college, she’s developed a strong connection to veterinary medicine.

“When Steve was in vet school, we would go over to the college every Sunday and read all the different cases,” Colleen said. “We would walk through the veterinary hospital when they were building it to see what was going on.”

### Faculty friendly

Steve and Colleen recall a chance meeting with CVM Dean Ralph Richardson at the North American Veterinarian Conference in 1998 that

rekindled their relationship with K-State.

“I’ve always been happy to be part of the university’s goings on,” Steve said. “Dr. Pat Bosco asked if we would represent the university at college fairs in New Jersey. We’ve done that now for five or six years, and Ralph came out one year to help us.

“He gave me facts and figures about how the college sometimes loses faculty members to other states that can pay higher salaries. We also learned about Kansas’ Faculty of Distinction program [Editor’s note: see sidebar]. That struck me as a very influential way of helping the college and encouraging faculty members to stay at K-State and train more veterinarians.”

In June 2005, the Hodeses made a \$1 million pledge to K-State to establish the Steven and Colleen Hodes Faculty Distinction Award.

“If this sort of a gift could make a big difference on enhancing a faculty member’s salary so they had no reason to look elsewhere, that struck me as a

**“If you can get really good at using the tools, you can be a good doctor.”**

**- Dr. Steve Hodes**

more impactful way of helping rather than a scholarship,” Steve said. “Taking care of your own involves a place like K-State that took me into a veterinary program when other

universities would not. I don’t know what else I would be doing for a living if I didn’t go to veterinary school here.”

### All in the K-State family

Steve and Colleen not only support K-State, but they have hired grads to



PHOTO BY JOE MONTGOMERY

**Brian Hodes (left) is a first-year veterinary student this fall. Colleen and Steve join Brian in a CVM laboratory during orientation activities.**

work in their clinic such as Robert Vorhies, class of 2007.

“There were a number of K-Staters who worked with me and now are in their own practices,” Steve said. “Hopefully they picked up some bits and pieces, and then went off on their own. I feel good about that.”

This fall, the Hodeses’ son, Brian, is an incoming freshman class member.

“It speaks well for the profession for kids to grow up in a family like ours

and want to do the same thing — that’s pretty cool.” Steve said. “I remember when Brian was 4 or 5 years old, and when the phone would ring late at night, he would be standing in the doorway of his bedroom with his coat on over his pajamas knowing I was going to the clinic. He figured he would just go with me to the clinic and help in any way he could.

“He came to K-State because of our relationship here. Brian had to see if he

could do the work and he finally just told himself he could. He didn’t want to get into something he couldn’t do well.”

**Any advice for future veterinarians?**

“Yes. I work hard, but it’s not hard to work hard at something you like a whole lot,” Steve said. “If you really like what you do, this is not even a job; it just becomes a way of life, 24/7, you just take care of people’s needs.”



PHOTO BY MARCI RITTER

**Dr. Hodes tries new tools for eye examinations being demonstrated at the CVM’s Annual Conference held on campus in June.**

**Faculty of Distinction professorship program**

Outstanding faculty members are the most precious resource of any university, and the single most important factor in determining the university’s reputation for excellence. But with salary disparities between public and private institutions growing larger every year, attracting and keeping the best faculty is a challenge for K-State.

In 2000, the Kansas Legislature enacted a program designed to narrow that gap. The Faculty of Distinction Program encourages gifts by private donors to attract and retain the highest quality faculty. Gifts of \$500,000 qualify for the program. The state acts as a partner, providing supplemental funding to the income earnings of each qualifying gift.

# a new breed

## Alpaca herd helps K-State take the lead

By Joe Montgomery

We're not pulling the wool over your eyes. K-State is now the home to a herd of animals that aren't usually associated with the Midwestern plains: Alpacas.

### A noteworthy gift

Last spring, the Mid America Alpaca Foundation made a \$50,000 gift to the CVM to establish and maintain a herd of alpacas for teaching and research purposes. The herd is housed on the hill behind the CVM complex.

"Since the herd's arrival, students on their Agricultural Practices rotations have been able to develop handling skills, design a herd health program, including vaccinations, deworming and herd health testing, perform shearing, dental work and foot trims as well as castrations," said Dr. Meredyth Jones, clinical assistant professor in Agricultural Practices. "The herd has been well-received by the students and there is a lot of interest in camelid medicine among the student body."

Alpacas are one of four species of South American camelids, which include llamas, guanacos and vicunas. Alpacas are smaller than llamas, the other species commonly raised in the United States. The South American camelids come from a similar ancestry as the two species of camels, and thus are classified as camelids. Today there are approximately 6,000 alpaca farms across the United States, with a large number located in Kansas and the Midwest. The animals' dense, soft fiber is used for clothing.

"Our goals are to support educational and research programs that encourage the addition of alpacas to existing veterinary practices," said Bob Sines, president of the Mid America

**Dr. Meredyth Jones and Dr. David Anderson meet with Tasha, Steve and Rose Ann Knoblock and the alpacas being delivered from the Mid America Alpaca Foundation. The teaching herd is a gift to the CVM.**

PHOTO BY DAVE ADAMS



Alpaca Foundation. "We also want to enhance the knowledge of veterinarians who are currently treating alpacas while introducing students to alpaca treatment, care and study."

### Noticeable impact

Via the college's Veterinary Medical Continuing Education program, a Camelid Neonatal Clinic and Care Workshop was offered in August for veterinary practitioners, owners and breeders. The teaching herd was utilized throughout the conference to provide 56 participants with lectures and hands-on experience on herd health, medicine, surgery and reproduction issues.

The growing number of owners and breeders is reflected by the caseload at K-State's Veterinary Medical Teaching Hospital. It has nearly tripled in 2007.

"We are building the caseload in all areas and species, so the additional camelid caseload is one of the ways we have been successful at that," Dr. Jones said. "Camelid cases give us the opportunity to provide more in-depth teaching cases for the students, as we frequently have the freedom to perform advanced diagnostics and medical and surgical care."

### Notable procedure

Dr. David Anderson, professor and head of Agricultural Practices, recently implanted a prosthetic leg on an alpaca named Cornucopia. She was brought in by Mike Alpert, an alpaca owner and breeder from Oklahoma City.

"When Cornucopia was 2 weeks old, we noticed she wasn't bearing any weight on her left front foot," Alpert

# of education in teaching & treatment

said. "Evidently there was a broken bone. After they had done an X-Ray, the fracture was set, but didn't heal right. Her foot went nonviable, so they performed a below-the-knee amputation at Oklahoma State University. After that they referred us to Dr. Anderson."

"Our clinical research has shown that juveniles have a difficult time compensating for the change in weight that occurs after limb amputation," Dr. Anderson said. "Their rapid growth causes deleterious effects on the 'normal' limb. The proper fitting of a prosthesis allows the animal to continue to use all four limbs such that normal growth and development occurs and gives it the best chance to have a long and normal life."

Bobby Tindal, a board-certified orthotist at Tindal O&P Associates in Manhattan, assisted Dr. Anderson in

the procedure by designing and providing the prosthetic leg.

"This alpaca was the 12th such prosthesis I have done in camelids," Dr. Anderson said. "I have also done six cattle and one kangaroo! These prosthetics must be carefully, accurately and professionally constructed. It is vital to work with an orthotics and prosthetics specialist, such as Mr. Tindal, who has that expertise."

"This was a first for me," Tindal said. "I normally work with human patients who can tell you what a prosthetic feels like. With this cria, we had to go by the pressure on its skin and use visual feedback. Our biggest concern was that the contralateral limb was starting to break down, so we needed to do something as soon as possible. There were a couple of small issues we had to treat, but otherwise it went pretty well."

Cornucopia's owner concurs.

"She's home with her mom and back with her buddies," Alpert said. "We wanted to give her quality of life so she could function and she's doing really well. K-State took good care of her."

PHOTO BY MARCI RITTER



PHOTO BY RESIDENT DR. KARA SCHULZ

**Dr. David Anderson, left, and Bobby Tindal, a Manhattan board-certified orthotist, who helped design a prosthetic leg for Cornucopia.**

# IN THE ARMY NOW

By Amy Jo Wright

## K-Staters serve their country in the Army Veterinary Corps

PHOTO BY JOE MONTGOMERY



**Kathy Cheng, class of 2010, takes the Army oath from Capt. Chris Connors. Last May, she was one of three first-year students accepted into the Army Veterinary Corps' scholarship and officer training program. The program accepts about 20 veterinary students per year.**

Commanding a medical laboratory in Kuwait, buying working dogs in the Czech Republic, providing veterinary services to remote Alaskan villages — these are just a few of the unique opportunities K-State veterinarians have been given through the Army Veterinary Corps. Currently, 41 K-State CVM alumni and students are enlisted with the Army Veterinary Corps.

The U.S. Army Veterinary Corps serves each branch of the military by providing food safety and security inspections. They also provide care for all Military Working Dogs, other government-owned animals and military family pets. There are approximately 700 veterinarians in the Veterinary Corps on active duty and in the reserves.

Current veterinary students who participate in the Health Professions Scholarship Program have their tuition and books paid for by the Army, as well as a \$1,200 monthly stipend pay, and are commissioned as a second lieutenant. Upon graduating, the students will be promoted two ranks to captain in the U.S. Army Reserve. Other current veterinary students can

join the Army Reserve as a part-time job, even while in school.

“The military wants good quality veterinarians to come into the military,” said retired Col. Bill Brown, class of 1971. “Students have a great opportunity to get their educations paid for and enjoy the benefits of training, advanced education and travel. It is a huge opportunity for students.”

Col. Brown recently retired after serving almost 40 years in the military. Drawn to the discipline, camaraderie and knowledge base the military imparted, he joined as a sophomore in veterinary school through the Early Commissioning Program and entered active duty following graduation. After two years of active duty, Col. Brown joined the

Reserves. Through part-time duty in the Army Reserve, he was able to simultaneously maintain a civilian veterinary career.

“I’ve had a lot of opportunities that only the military could have given me — not only technical training, but military education: from Basic Officer Course to the Command and General Staff School to the Army War College,” Col. Brown said.

### Col. David S. Rolfe, Commander, U.S. Army Veterinary Command

Col. David Rolfe, class of 1986, is currently the commander of the Veterinary Command at Ft. Sam Houston, Texas, and the Veterinary Clinical Medicine Consultant to the Surgeon General. He has spent much of his career providing care for Military Working Dogs around the world, with past assignments in California, Texas, Hawaii, Germany and Korea. Col. Rolfe has traveled all over the world doing a wide variety of veterinary work for the military, from buying working dogs in the Czech Republic to inspecting dairy plants in Bangladesh.

PHOTO COURTESY OF COL. ROLFE



**Col. David Rolfe and family (clockwise from center): Lindsey, Laura, Levi, Lillianne, Ian, Eric and Brenda.**

“The well-rounded, all-species experience I received at K-State gave me a good technical background and helped me be flexible and adaptable,” Col. Rolfe said. “You cannot be trained in everything you’re going to encounter, especially in the military, and the ability to find solutions to problems is the key to success.”

### Maj. Heather Serwon, Alaska District Veterinary Commander

Maj. Heather Serwon, class of 1996, is currently commander of the Alaska District Veterinary Command and is responsible for three Army installations, two Air Force installations and a Coast Guard base in Alaska. In addition to food safety/security and veterinary care for government-owned animals, Maj. Serwon also takes part in humanitarian assistance missions where veterinary services are offered to remote villages in Alaska every spring. While on active duty, she has traveled to China, Korea, Japan, Thailand, Honduras, Panama and Australia.

“K-State provided me with the basic clinical skills and professional knowledge to succeed in private practice, the military, or any other state or federal agency,” Maj. Serwon

PHOTO COURTESY OF MAJ. SERWON



**Maj. Heather Serwon visits with nieces Lily Kate (center) and Hannah Jo.**

said. “The Army Veterinary Corps offers a wide range of opportunities for new graduates. You are provided with a nice clinic equipped with all the latest technology, opportunities for continuing education and clinical proficiency training. The Army also provides opportunities to be stationed in different cities all over the world with an average assignment lasting approximately three years. Each time you are assigned a new duty location, it is like starting a new job with new people in a new place. For me, this is one of the more attractive benefits.”

### Lt. Col. Neal Woollen, Commander, 248th Veterinary Medical Detachment

Lt. Col. Woollen, class of 1985, is currently commanding the 248th Veterinary Medical Detachment in the Iraq Theater of Operations. In addition to his DVM, he also received his master’s and doctorate degrees in pathology from K-State. Lt. Col. Woollen played a key role in the national response to the 2001 anthrax attacks, participated infield research on Ebola virus, was a member of the UNSCOM inspection team in Iraq and commanded the Theater Army Medical Laboratory deployed to Kuwait in 1998.

PHOTO COURTESY ARMY VETERINARY CORPS



**Lt. Col. Neal Woollen was recently recognized by the chief of the U.S. Army Veterinary Corps with the 2007 Daniel Holland Leadership Award for his outstanding leadership and service. He currently commands the 248th Veterinary Medical Detachment in the Iraq theater of operations.**

Under Lt. Col. Woollen’s commands, 57 soldiers have provided veterinary service support to more than 130,000 soldiers, sailors, airmen and Marines located at 55 forward operating bases. In the first six months of deployment, his soldiers have conducted more than 230 site visits to food receiving operations, inspected \$178 million worth of subsistence, facilitated the condemnation and destruction of \$1.5 million of distressed or damaged subsistence, provided medical care to more than 550 working dogs and revised the zoonotic disease reporting and prevention programs while operating safely in an active combat zone. In August, Lt. Col. Woollen received the Daniel Holland Leadership Award for best exemplifying and contributing to leadership in the Veterinary Corps.

# Spotlight on faculty research and teaching awards

## Dr. Bob Rowland, Pfizer Award

Dean Richardson presents the Pfizer Animal Health Award to Dr. Bob Rowland. This award is given to a faculty member who advances veterinary medicine through exemplary research.

Dr. Rowland's research investigates emerging disease problems in swine, with an emphasis on viral infections.



## Dr. Beth Davis, Norden Award

Dean Richardson presents the Carl J. Norden Distinguished Teaching Award to Dr. Beth Davis. When not working with clinical cases Dr. Davis focuses on research activities, characterizing immune function in horses and has explored areas of innate immunity that combine antimicrobial peptide expression and function with the effects of systemic immunomodulation.

## Dr. David Anderson, Ft. Dodge Animal Health Award

Dr. Ronnie Elmore congratulates Dr. David Anderson on winning the Fort Dodge Animal Health Award. His current research includes bovine lameness, ruminant surgery and animal models for human research.



# Research fana-tick!

## Dr. Dryden's new tick-control research center

By Joe Montgomery

Small things can sometimes be big problems. Finding solutions can sometimes lead to more problems, especially without the right tools. The CVM has filled one such void regarding a "little" problem by unveiling the new Dryden-Merial Tick Research Center.

"Historically, researching ticks that infest dogs and cats had not been such a serious issue because ticks have not always been a big problem," said Dr. Michael Dryden, Frick Professor of Veterinary Medicine at K-State. "Today, this situation has changed due to several climatic and ecological factors. After looking at the research gaps in the knowledge base on these ticks, Dr. Pat Payne and I realized that

a facility was needed to conduct tick bionomic and control studies and disease-vectoring research."

Ticks expose both humans and animals to a number of infections including Lyme disease, Rocky Mountain spotted fever, tularemia or ehrlichiosis.

"Till now, there had not been good evaluations of knockdown, repellency, speed-of-kill or resistance to insecticides and tick-control products," Dr. Dryden said. "There was very little biological information on how efficiently and rapidly these ticks transmit pathogens, how long and how successfully they feed and what the reproductive success is of ticks feeding on dogs. We realized there was a

marked lack of information on the host-associated bionomics of ticks on dogs and cats."

The center was made possible through an \$815,000 sponsorship from the Merial pharmaceutical corporation and was dedicated in June.

"The new facility puts K-State at the forefront of tick-control research," Dean Ralph Richardson said. "It's a relevant area, not simply for the research opportunity, but because we are invested in the results of this knowledge to provide better healthcare in our profession and at K-State." 



**Dr. Mike Dryden, front right, helps cut the ribbon with Dr. Zack Mills, Merial, at the dedication. Others include (left to right): Dr. Susan Ralston, Merial; Mary Jackson, Merial; Dr. Doug Carithers, Merial; Chris Gruber, CVM; Dr. Bart Carter, CVM; Dean Ralph Richardson, CVM; Dr. M.M. Chengappa, CVM; and K-State Provost Duane Nellis.**

PHOTOS BY DAVE ADAMS & DR. MIKE DRYDEN

Left to right: Dr. Dudley McCaw, Dr. David Rankin, Dr. Tracey Jackson, Dr. Marco Margiocco, Dr. Amy Rankin, Dr. Dirsko von Pfeil, Dr. Lucy Bergamasco, Dr. Michele Borgarelli, Dr. Mary Lynn Higginbotham and Dr. Troy Holder.



PHOTO BY JOE MONTGOMERY

## New faculty appointments target specialty fields

The Veterinary Medical Teaching Hospital has recently hired 10 new faculty members with a wide variety of clinical backgrounds and expertise. Recruitment was strategically targeted at filling or enhancing particular specialty fields.

The new clinical faculty members are:

**Dr. Dudley McCaw**, professor in oncology, earned a bachelor's degree and DVM in 1972 from the University of Illinois at Urbana-Champaign. He was previously a professor at the University of Missouri-Columbia, College of Veterinary Medicine. Dr. McCaw completed his residency in internal medicine at Michigan State University, East Lansing, and a residency in oncology at the University of Missouri.

**Dr. David Rankin**, clinical assistant professor in anesthesia, earned a bachelor's degree in 1988 from Creighton University, a DVM in 1993 from K-State, and a master's degree in 1997 from Washington State University, Pullman. His residency was at Washington State University.

**Dr. Tracey Jackson**, clinical assistant professor, in small animal internal medicine, earned a bachelor's degree in 2001 and DVM in 2003 at K-State. She completed an internship at Colorado State University, Fort Collins, and her residency at K-State.

**Dr. Marco Margiocco**, assistant professor in cardiology, earned his DMV at the University of Pisa, Italy, in 1992. He had a combined Master of Science and cardiology residency program at the University of Illinois, and at Oregon State University, Corvallis, prior to his appointment at K-State.

**Dr. Amy Rankin**, assistant professor in ophthalmology, earned a DVM in 1993 from the University of Wisconsin, Madison, and a master's degree in 2002 from Purdue University, West Lafayette. She was most recently employed in private practice at the Animal Eye Specialists in Milwaukee. Dr. Rankin completed her internship at

Oklahoma State University, Stillwater, and her residency at Purdue.

**Dr. Dirsko von Pfeil**, assistant professor in small animal surgery, earned a Dr. med. vet. from the University of Berlin, Germany, in 2001. He did an internship in medicine and surgery at K-State, a surgical fellowship and residency at Michigan State University and earned a DVM (ECFVG) through Michigan State University in 2006.

**Dr. Luciana Bergamasco**, research assistant professor in electrophysiology, earned a DVM and Ph.D. from the Faculty Veterinary Medicine at the University of Torino, Italy, in 1989.

**Dr. Michele Borgarelli**, associate professor in cardiology, earned a DMV from University of Torino, in 1989 and Ph.D. from the same institution in 2004.

**Dr. Mary Lynn Higginbotham**, assistant professor in oncology, earned a bachelor's degree from Northwest Missouri State University, Maryville, in 1994, a DVM in 1998 and a master's degree in 2004 from the University of Missouri-Columbia. She was previously an assistant professor at the Auburn (Ala.) University College of Veterinary Medicine. Dr. Higginbotham completed an internship at the Veterinary Specialists of Rochester (N.Y.) and oncology residency at the University of Missouri-Columbia.

**Dr. Troy Holder**, clinical assistant professor, is a large animal emergency clinician. He earned a DVM in 1998 from the University of West Indies, St Augustine, Trinidad. Dr. Holder had an internship in equine surgery at the London Equine Hospital, Ontario, Canada, an internship in large animal surgery and medicine at the University of Tennessee, Knoxville, and a residency in large animal surgery at the University of Tennessee. 

## Fair practice: CVM's Birthing Center tradition continues at the State Fair



As part of its annual tradition, the CVM once more co-hosted the birthing center at the Kansas State Fair in Hutchinson with the KVMA. Several 'teams' consisting of a faculty member and four fourth-year students took daylong shifts during the fair to demonstrate cattle birthing. Above, Keith DeDonder, left, is assisted by Marty Moravec in delivering the first of a set of twin calves. Left, Stephanie Kessler rakes around a new calf. Below, April Cummins shows a piglet to a couple of youngsters.



by Carol Elmore

I am frequently asked by my library clients — “Why can’t I use the full-text journal articles that show up in the K-State On-Line Catalog?” The full-text subscriptions that the Veterinary Medical Library can access are licensed for use by current faculty, staff and students of Kansas State University, so that is why off-campus use is prohibited to nonuniversity folks. These subscriptions can be used if you personally come to the Veterinary Medical Library to access them, but are restricted for off-campus use by nonuniversity persons. This does not mean, however, that no full-text articles are available free of charge to anyone. Our library Web site has a link to some Web sites that offer free full-text journal articles: <http://www.vet.k-state.edu/depts/library/info/ejournals.htm>. Many publishers permit access to older journals through the Directory of Open Access Journals or Free Medical Journals that link to our Web site. Another source of free full-text journal articles is PubMed, the National Library of Medicine’s online database. A link to PubMed Central is displayed at the top of a journal article if there is free full-text access to the article. Many organizations such as Scholarly Publishing and Academic Resources Coalition (SPARC), encourage authors to grant more open access to their articles through the SPARC Author Addendum at <http://www.arl.org/sparc/author> by allowing them to place their articles in online repositories that will permit free access to them through sites such as PubMed. Of course, Library Research Services offers direct delivery of articles for a reasonable fee when not available elsewhere.

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TOP TWO PHOTOS BY ALI EITZMANN, CLASS OF 2008

PHOTO BY JOE MONTGOMERY

# Dr. Carleton receives outstanding recognition

Dr. Carla L. Carleton, class of 1977, was named the **2007 Outstanding Woman Veterinarian of the Year** by the Association for Women Veterinarians Foundation in July. She is currently an associate professor of equine theriogenology at Michigan State University, East Lansing.

Dr. Carleton has a long history of international collaboration, with one of her first projects beginning in 1992 (and continuing today) at a thoroughbred stud farm in India, working with and training equine veterinarians. Her activities have also included continuing education for Indian equine veterinarians on a larger scale. In 1996, she extended her reach to Bangkok and other provinces of Thailand, with colleagues to provide veterinary care in underserved provinces in northern Thailand. Dr. Carleton and Dr. Siraya Chunekamrai initiated a study in February 2003 about local seroprevalence of equine disease in what had been an area void of routine vaccinations and other preventive care. The initial results of this study were presented to the World Equine Veterinary Association in Marrakech, Morocco, in 2006.



PHOTO COURTESY DR. CARLETON

Dr. Carla L. Carleton

## Alumni Class News

### 1936

**Dr. Arnold S. "Rosy" Rosenwald** was recognized for numerous contributions to the poultry industry and his unique ability to communicate and extend knowledge with the AAAP. In 2000, the AAAP initiated the A.S. "Rosy" Rosenwald Student Poster award, which is presented to the best student poster at each annual meeting. At the January meeting in Atlanta, the American College of Poultry Veterinarians voted to bestow Honorary Membership status to Dr. Rosenwald. He is only the third person to be recognized with an honorary membership.

### 1970

**Dr. Jack Ellithorpe** has become the *new CWD VMO*, stationed in Lakewood, Colo. He has had a great past with veterinary medicine as a private large animal practitioner in both Nebraska and Kansas, a feedlot veterinarian and most recently in regulatory medicine with FSIS. He also worked on the BSE investigation in Washington state on the food inspection side.

### 1982

**Dr. Sue Schulteis** received the *Meritorious Service Award* from the American Association of Swine Veterinarians (AASV) where she serves as the associate director.

### 1987

**Dr. Mike Apley** was recently spotlighted as *one of the six most influential veterinarians in the cattle feeding industry* in the past 35 years. Bovine Veterinary magazine featured Dr. Apley and other industry leaders in an article: "VIPs of the Feedlot Industry."

## In Memoriam

**Ralph E. Smith, DVM 1953**  
Ellicott City, Md., died Feb. 12, 2006

**David Edward Evans, DVM 1939**  
Apple Valley, Minn., died July 9, 2006

**Dennis L. Sones, DVM 1983**  
Sycamore, Ill., died Nov. 15, 2006

**Earl R. Walker, DVM 1945**  
Pawhuska, Okla., died Dec. 4, 2006

**Laurence H. Shockey, DVM 1952**  
Wichita, Kan., died Dec. 24, 2006

**Donald C. Innes, DVM 1939**  
Mill Valley, Calif., died Jan. 1, 2007

**Burson B. Busset, DVM 1943**  
Lees Summit, Mo., died Jan. 27, 2007

**Shirley L. Davis, DVM 1941**  
Elkhorn, Neb., died Jan. 30, 2007

**Dane W. Bruster, DVM 1956**  
Norfolk, Neb., died Feb. 14, 2007

**Junior Hubbs, DVM 1947**  
Fort Smith, Ark., died Feb. 26, 2007

**Clement Darrow II, DVM 1959**  
Vero Beach, Fla., died March 3, 2007

**Delvin D. Randolph, DVM 1967**  
Sterling, Kan., died March 3, 2007

**Hugh Callaway, DVM 1942**  
Waverly, Mo., died March 29, 2007

**Richard A. Shea, DVM 1942**  
Vista, Calif., died April 12, 2007

**William Eastman, DVM 1982**  
Scottsbluff, Neb., died April 17, 2007

**Morris A. Nosssov, DVM 1939**  
Austin, Texas, died April 17, 2007

**Charles B. Thayer, DVM 1947**  
Iowa City, Iowa, died May 11, 2007

**Jacob Lawrence, DVM 1944**  
Lincoln, Mass., died May 16, 2007

**Lloyd Wayne Pottroff, DVM 1954**  
Manhattan, Kan., died May 17, 2007

**Cliff Leroy Walker, DVM 1982**  
Boerne, Texas, died May 28, 2007

**Lawrence E. Evans, DVM 1951**  
Oxford, Ohio, died June 8, 2007

**Karen Marie Vollmar, DVM 1994**  
Colorado Springs, Colo., died June 16, 2007

**James Donald Beesley, DVM 1974**  
Everson, Wash., died July 31, 2007

**Leo Frank Paulich, DVM 1955**  
Saint Joseph, Mo., died Aug. 2, 2007

**Frank B. James, DVM 1960**  
Hickory Corners, Mich., died Aug. 7, 2007

**Jean Evelyn James, DVM 1960**  
Hickory Corners, Mich., died Feb. 17, 2007

**Charles B. Schwab, DVM 1944**  
Fairbury, Neb., died Aug. 9, 2007

**Overton E. Hundley, DVM 1952**  
Johnson Lake, Neb., died Aug. 11, 2007

**Stephen James Romeo, DVM 1980**  
Las Vegas, died Aug. 16, 2007

**Charles W. Kassleder, DVM 1964**  
Broken Bow, Neb., died Sept. 1, 2007

**Steven E. Wright, DVM 1974,**  
Omaha, Neb., died Sept. 3, 2007



KANSAS STATE UNIVERSITY  
College of Veterinary Medicine

# Walk through the Decades

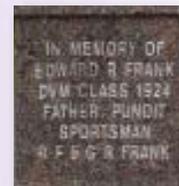


Become a visible part of the K-State College of Veterinary Medicine history!

Honor your achievements, promote your clinic or business, or create a memorial with a personalized granite tile. Imagine the joy a gift of this type would provide for the veterinary medical professional in your life.

Each donation to this program supports the College of Veterinary Medicine. Granite tiles are displayed prominently in the Centennial Plaza between Mosier and Trotter Hall.

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If you decide to include the college in your will, IRA, life insurance, etc., you may use this official language:

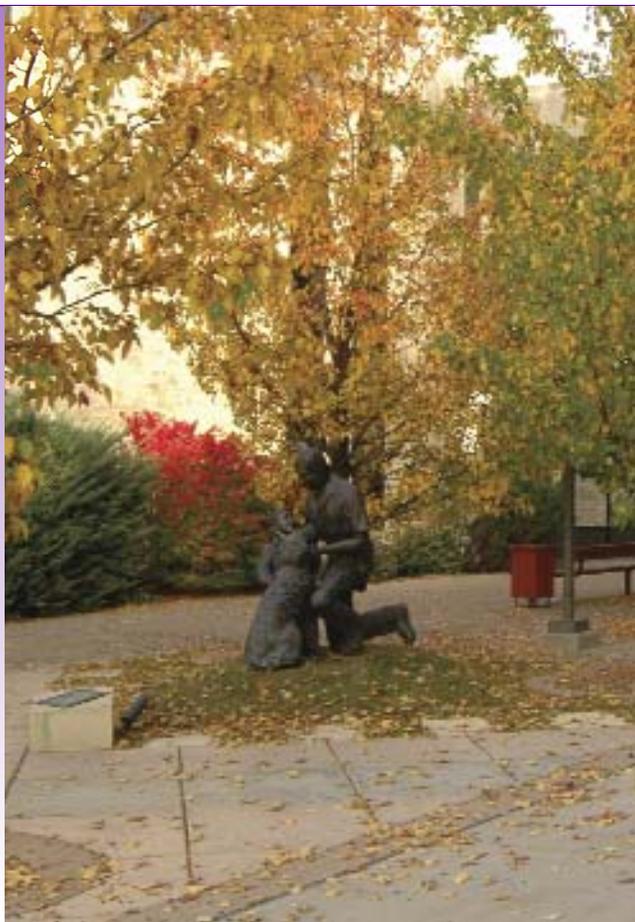
*I give and bequeath to the Kansas State University Foundation, Manhattan, Kansas, Federal Identification Number 48-0667209, a nonprofit corporation organized under the laws of the State of Kansas, the sum of \$ \_\_\_ or percentage of \_\_\_%, to be used according to the Memo of Understanding on file with said organization OR for the general purpose of said Foundation.*

If the college is included in your plan, PLEASE let us know! We'd like to personally thank you for your support.

For more information, please call 785-532-4378, e-mail [cgruber@vet.k-state.edu](mailto:cgruber@vet.k-state.edu) or visit <http://www.vet.ksu.edu/depts/development>



KANSAS STATE UNIVERSITY  
College of Veterinary Medicine



# More alumni news & notes

## K-Staters hold leading roles in AVMA

Right: Dr. Greg Hammer, Dover, Del., class of 1973, was elected president of the American Veterinary Medical Association (AVMA) in June.

Below, Dr. Bruce Little, Arlington Heights, Ill., class of 1965, retired this year as the AVMA's executive vice president after eight years. He was also given the AVMA's 2007 Samuel B. Shapiro Award in June.



Left: Dr. Michael Whitehair, Abilene, Kan., class of 1974, is on the AVMA's House Advisory Committee representing private practice — predominantly food animal.



PHOTO COLLAGE COURTESY OF THE AVMA

## UC Davis names hospital for Dr. Pritchard

By Amy Jo Wright

A notable teaching hospital has recently been named after Dr. William R. Pritchard, KSU class of 1946. The William R. Pritchard Veterinary Medical Teaching Hospital (VMTH) was dedicated in April at the University of California, Davis, School of Veterinary Medicine (SVM).

The naming recognized Dr. Pritchard's role in developing the school and the VMTH. He served as dean of the SVM from 1962 to 1982 and was instrumental in the facility's design, funding and the development of the clinical teaching, research and service programs.

"Dr. William Pritchard is without a doubt a person who has had a very great impact on veterinary medical education in our time," said Dr. Bennie Osburn, KSU class of 1961 and

PHOTO BY DON PREISLER, COURTESY THE UC DAVIS SCHOOL OF VETERINARY MEDICINE



**Dr. Pritchard (left) stands with UC Davis Chancellor Larry Vanderhoef at the naming of the William R. Pritchard Veterinary Medical Teaching Hospital in April 2007.**

current SVM dean.

"This is an honor beyond my wildest dreams," Dr. Pritchard said. "I just can't begin to tell you what it means to me."

After earning his DVM from K-State in 1946, Dr. Pritchard went on to earn doctorate and law degrees.

He was named a Distinguished Veterinarian by the National Academy of Practice in Veterinary Medicine, the highest honor given by the veterinary community for international veterinary science. He received an honorary doctorate degree from K-State in 1970 and was named the 1986 K-State CVM Alumni Fellow.

Dr. Pritchard and his wife, Deanna, have five children. 🌍

# CVM alumni recognition awards

## Dr. Cecil W. Ingmire ('47)

received the **Distinguished Alumnus Award** at the Heritage Evening Banquet during the 69th Annual June Conference for Veterinarians.

During WWII, classes were accelerated to three, 16-week semesters. After a year of preveterinary classes, Dr. Ingmire completed the four-year

veterinary curriculum in less than three years. He earned a DVM in 1947 at age 21.

Dr. Ingmire was in a mixed practice in Akron, Ohio, for a year and in 1948, started his own



practice in Joliet, Ill. From 1954 to 1956, Dr. Ingmire was a captain in the Army Veterinary Corps, and then returned to Joliet to build his own clinic. He performed testing for brucellosis and tuberculosis on cattle, acquainting him with many farmers throughout the county. Dr. Ingmire retired in 1997.

## Dr. Robert M. Phillips ('51)

received the **Dr. E.R. Frank Award** from the College of Veterinary Medicine and its Veterinary Medical Alumni Association. This award was presented to Dr. Phillips at the 69th Annual Conference for Veterinarians in June.

Dr. Phillips earned a DVM from

K-State in 1951. Along with classmate Dr. Gene Porter, he purchased a mixed practice in Fergus Falls, Minn. Dr. Phillips then moved to Oberlin, Kan., in 1953 where he ran a mostly



large animal practice until 1969.

Dr. Phillips earned a doctorate in medical microbiology at the University of Georgia, Athens, in 1972. He then took a position at Jensen-Salsbery Laboratories, Kansas City, Kan.

In 1975, Dr. Phillips accepted a virology position at the diagnostic lab at K-State. He retired in August 1994.

## Dr. Dale F. Schwindaman ('53)

received a **2007 Alumni Recognition Award at the American Veterinary Medical Association** convention on July 16, in Washington, D.C. After earning a bachelor's degree in science and DVM in 1953 at K-State, Dr. Schwindaman worked for a private practice in Wisconsin. He served

two years in the Air Force and then accepted a position as Field Veterinarian in Minnesota. In 1957, Dr. Schwindaman held positions with the USDA in Michigan, Illinois, New Jersey and



Delaware. He was then on the Animal Care staff in Washington and head of the APHIS Technical Assessment staff. After briefly working in Denver, he returned to Washington as APHIS Deputy Administrator for Regulatory Enforcement and Animal Care where he remained until retiring in 1996.

## Dr. Kenneth M. Capron ('65)

was a **2007 Alumni Recognition Award** recipient. He received the award during a reception at the **Western Veterinary Conference** on Feb. 19 in Las Vegas.

After growing up in Columbus, Kan., Dr. Capron attended K-State and earned his bachelor's degree in

biological sciences and his doctorate of veterinary medicine degree in 1965. After graduating, he served in the United States Air Force Veterinary Corps for two years, where he developed an



interest in dentistry.

In 1967, Dr. Capron opened Capron Veterinary Hospital and Dental Clinic for Pets in Tulsa where he serve as director and owner. As a specialist in veterinary dentistry, Dr. Capron practices periodontics, orthodontics, endodontics and oral surgeries including cancer removal.

**Dr. Kenneth M. Thompson ('65)**, Guide Rock, Neb., was honored by the college with a **2006 Alumni Recognition Award**. He received the award at the meeting of the **Nebraska Veterinary Medical Association** on Jan. 22.

Dr. Thompson attended Hastings College and Fairbury Junior College in Nebraska before transferring to

K-State in preveterinary medicine where he graduated with his DVM in 1965.

He purchased the Guide Rock Veterinary Clinic and operated the practice until selling it in 1981.



Dr. Thompson became an associate at the Animal Hospital in Superior, Neb., and is now its owner. About 70 percent of his time is dedicated to cow-calf and herd health work. The remaining 30 percent is spent performing soundness examinations on bulls for purebred production sales.

# Help remember a CVM master planner and former dean by supporting the Dr. Charles Cornelius fund

It's time to move into a new phase at the College of Veterinary Medicine. Colleagues and friends of a former dean have united to create a special fund: The Dr. Charles E. Cornelius Graduate Student Travel Fund.

Phase one of this project was to establish the fund. Phase two is to ensure the fund will be available for future generations of veterinary students by making it an endowed fund. Once endowed, awards can be made from the interest earned by the fund, rather than by depleting the principal.

Dr. Cornelius served as the K-State dean from 1966 to 1971. He was recruited from University of California, Davis, where he had been associate dean and chair of the Department of Physiological Sciences. He earned his DVM at UC Davis in 1953 and a Ph.D. in comparative pathology in 1958.

Even though he was only dean for five years, he was said to have had "his fingerprints are all over this place."

Dr. Neil Anderson, who joined K-State during Dr. Cornelius' tenure and later served as interim dean from 1997-1998, remembered him for bringing new ideas to the college and expanding its educational mission.

"At that time, the university was looking for fresh ideas and an outside perspective," Dr. Anderson said. "The curriculum had been a very practical

curriculum, which is good, but nationally there was a trend for doing more research. Dr. Cornelius made it a priority to get the equipment and facilities that were needed to make it possible to do more research at K-State."

"I had the pleasure of collaborating with Charles Cornelius, or 'Corny' as he was more commonly nicknamed," said Dr. Bennie Osburn, K-State class of 1961 and dean of the School of Veterinary Medicine at UC Davis. "He was the consummate educator."

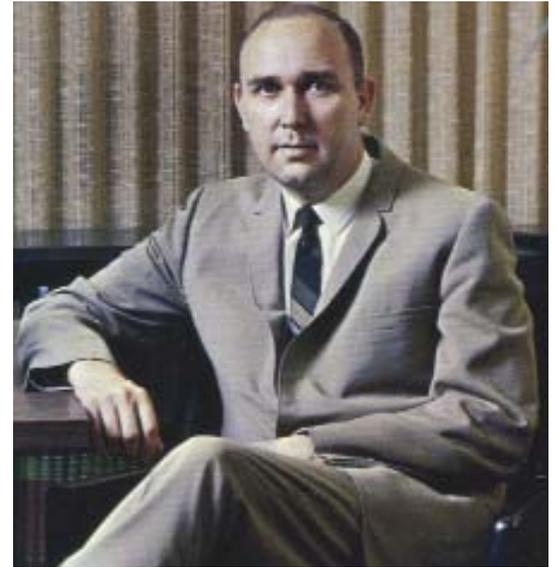
Dr. Cornelius dramatically increased class sizes in the DVM curriculum and opened up veterinary opportunities for young Kansans and at-large students from other states. He also urged the university's administration, Board of Regents and Kansas Legislature in an effort to gain support for more faculty positions and for newer facilities."

A "Master Plan," financed by alumni donations was developed. Eighty acres on the north end of campus were reserved for a new veterinary medical center.

In 1971, Dr. Cornelius left K-State to be the founding dean at the University of Florida's CVM and served until 1980. He then became director of the California Primate Research Center at UC Davis and taught a veterinary physiology course. He

maintained an active research program in liver physiology until retiring in 1991. Dr. Cornelius died in 1997.

"His outstanding career as a leading Clinical Pathologist and as a dynamic administrator of two veterinary colleges made significant impacts on the



**Dr. Charles E. Cornelius, was the dean of K-State's College of Veterinary Medicine from 1966-1971. The Dr. Cornelius Graduate Student Travel fund was established in his honor in 2006.**

future of veterinary medicine and education," Dean Osburn said. "His teaching and research programs sought to provide students with the latest technology for diagnosing diseases. The student travel award honors his legacy and provides the incentive for future recipients to follow in his footsteps."

"In deciding how to honor Dean Cornelius, we felt that the award needed to have an impact on research and be something for which graduate students would compete," Dr. Anderson said. "It gives the recipient enough money to get on a plane, go to a scientific meeting and present his or her research and then get home safely. We would really support making an upgrade to add a second conference trip or do something even more substantial."

The recipient of the award will be a graduate student who demonstrates research excellence during the annual Phi Zeta Day activities. It supports travel to a meeting where scientific research will be presented. 🌐



**Dr. Cornelius, center, helps Dr. Jim Cook, right, present a joint service commendation medal to Dr. Stanley M. Dennis, left.**

# Veterinary Medical Alumni Association

## Message from VMAA President Dr. Bill Brown

On behalf of the College of Veterinary Medicine's Alumni Association, I'd like to extend my personal greetings. We look forward to another great year of working together with you to further the activities of your alumni association.

Other members of the board this year are Drs. Mike Moore, Greg Bogue, Pete Sherlock, Orval Gigstad and Howard Erickson. They are a dynamic group who are committed to the goals of the association and working with you to make this veterinary alumni association the best in the country. We have much to be thankful for. The College of Veterinary Medicine is moving forward with tremendous leaps and bounds into new areas. The students and faculty are motivated and showing they are leaders at many levels and with accompanying achievements, recognitions, and offices held. They are maintaining and enhancing the proud tradition that began 100 years ago at Kansas State University.

We, as alumni, also have much to contribute to the success of the college and the alumni association. Each of us is part of the success stories that enhance the college with our level of commitment and involvement in our communities, businesses, military life and families. We ask that you share that same level of commitment and involvement with the Alumni Association with your ideas, thoughts and recommendations for furthering the work of the association. Your participation in the association, and by becoming a life member of the alumni association, will help us to continue the tradition of strong alumni support. Our current participation rate is about 20 percent. We thank you for being a member and encourage other alumni to join.

I am looking forward to an exciting year and meeting with as many of you as possible. I and the rest of the executive board look forward to representing you and other alumni of the College of Veterinary Medicine. Please join us in continuing the tradition of a strong, responsive and involved alumni association.



**Bill Brown, DVM '71**

## Executive Board Members

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Dr. William Brown, CVM '71  
[William.l.brown@monsanto.com](mailto:William.l.brown@monsanto.com)

### Senior Member-At-Large

Dr. Michael Moore, CVM '68  
[mike.moore@ah.novartis.com](mailto:mike.moore@ah.novartis.com)

### President Elect

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### Members-At-Large

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Dr. A.O. "Orv" Gigstad III,  
CVM '76  
[orv.gigstad@alltel.net](mailto:orv.gigstad@alltel.net)

### Secretary/Treasurer

Dr. Howard Erickson, CVM '59  
[erickson@vet.k-state.edu](mailto:erickson@vet.k-state.edu)

And one vacant position —  
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## 2007 Class Initiative Award



PHOTO OF DAVE ADAMS

**Dr. Bill Brown, president of the Veterinary Medical Alumni Association, presents the 2007 Reunion Achievement Award to the classes of 1952 and 1967, who tied for the highest gift participation through the class initiative program. From left, Dr. Dan Upson, class of 1952; Dr. Brown; and class of 1967 classmates: Dr. Robert Cartee, Dr. Darell Haeker, Dr. Roy Braum and Dr. Joe Baber. The award was presented during the Heritage Evening banquet at the 69th Annual Conference for Veterinarians. A special thanks goes to the returning reunion classes ('52, '57, '62, '67, '72, '77, '82, '87, '92, '97 and 2002). Together you raised \$197,970 for the College of Veterinary Medicine.**

The College of Veterinary Medicine's Veterinary Medical Alumni Association is a nonprofit organization run primarily by our graduates who volunteer their time and effort. These graduates are elected to serve on the executive board for the association. Each serves a four-year term as member-at-large, and one year each as president elect and president. The purpose of this board is to review nominations for awards, help organize receptions at seven national meetings and conferences, and provide

leadership in the management of the support sent to the association annually. Also supplemented through alumni support are reunions, biography booklets, class newsletters, fundraising initiatives and the administration of alumni records.

The executive board for the VMAA initiated dues in 2000 and established an endowment in February 2003. The VMAA Endowment account currently has \$252,806 to support alumni activities.

The association has 570 alumni who are

full lifetime members and 71 who have paid their first installment on a lifetime membership. For annual membership in fiscal year 2007, there were 327 alumni who participated.

Through dues paying membership, the college will be able to support alumni activities with the income earned on the principal of the endowment. Please support your association so we can continue to offer the best alumni program we can. Get more info at: [www.vet.k-state.edu/depts/alumni](http://www.vet.k-state.edu/depts/alumni).

*I'm enrolled.  
Are you?*



## Perpetual Pet Care Program

Your clients seek your expertise and advice every day. This may include advice on a pet they can no longer care for. The College of Veterinary Medicine established the Perpetual Pet Care Program to help you help your clients. Enrollment benefits include:

- Performing an extensive search to locate a loving home;
- Providing for your pet's lifelong medical needs;
- Monitoring of the adoptive home; and
- Designating your charitable interest.

Financial gifts provide for a pet's lifelong medical needs. After a pet passes away, the remaining funds will support a college area most meaningful to the pet owner.

There are numerous funding options: cash, bequests, charitable gift annuity or unitrust, gifts of securities, life insurance and real estate. Please contact the Development Office at the College of Veterinary Medicine for details.

**Phone** 785.532.4378 ● **Fax** 785.532.4002

**e-mail** [perpetualpetcare@vet.k-state.edu](mailto:perpetualpetcare@vet.k-state.edu)

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