



Into Africa: Wildlife medicine excursion for Dr. Carpenter

For someone accustomed to working with exotic animals, Dr. Jim Carpenter says a recent trip to South Africa was probably the most unusual experience in his life.

Invited as a lecturer, Dr. Carpenter was a guest of wildlife veterinarian Dr. Cobus Raath, who runs a practice devoted to wildlife conservation, wildlife management, education and research. The practice features wildlife medicine courses for veterinary students from around the world. Dr. Carpenter said that K-State students have attended the course before,

although on this trip, the students were from Murdoch University in Australia.

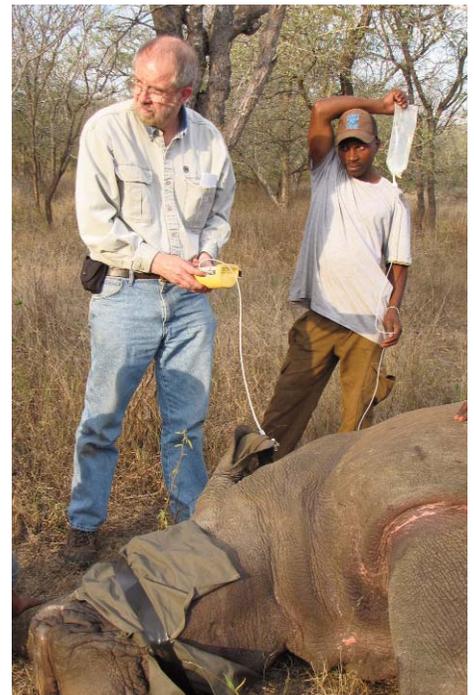
Dr. Carpenter's wife, Terry, accompanied him on the trip, and helped document many of the wildlife encounters with Cape buffalo, lions, rhinos, giraffes and more. Their activities involved building a boma (a wildlife corral) to capture buffalo, teaching students how to draw blood from lions and dehorning white rhinos.

"This was one of the most enjoyable opportunities I've had to teach wildlife conservation," Dr. Carpenter said. "The

students really got fired up. It was also great to learn about the local culture. We spent a day of community service with the Australian students giving rabies vaccinations and deworming dogs for the local children."

Dr. Carpenter also gave talks in preventive medicine and conducted a wet lab in reptile snake medicine using rock pythons as a model.

Dr. Carpenter will be giving a presentation to the Exotics Club at 5:30 p.m. on Aug. 31 in Trotter 201, and all are welcome to attend.



Top left: Terry and Dr. Jim Carpenter pose with an anesthetized lion. **Middle:** Spraying a Cape buffalo for ticks. **Bottom left:** Conducting a wet lab with a rock python. **Right:** Monitoring anesthesia on a rhinoceros, with help from a wildlife tracker.

Calendar Of Events

Sept. 20: Small Animal
Internal Medicine,
Cardiology and Oncology
Conference
Frick Auditorium
Mosier Hall

August 17:
First-year orientation

August 24:
Classes begin

Food safety researchers clear up misconceptions about food recalls



Dr. Charles Dodd, right, helps Rhiannon Harris, second-year veterinary student/MPH student/summer research scholar, transfer a culture into a selective broth to isolate Salmonella.

Consumers usually find out pretty quickly if the meat they're planning to throw on the grill has been recalled.

What consumers may not be finding out about recalls and the inspection process, however, could make them doubt the effectiveness of what is actually a pretty good system to keep food safe, according to K-State researchers.

Dr. Charles Dodd, Ph.D. student in food science, Wamego, and Dr. Doug Powell, K-State associate professor of food safety in the Department of Diagnostic Medicine and Pathobiology, published a paper in the journal *Foodborne Pathogens and Disease* about how one government agency communicates risk about deadly bacteria like *E. coli* O157 in ground beef. Publications, Web pages and recalls are all used in this risk communication.

Dr. Dodd said that although the Food Safety and Inspection Service generally does a good job of keeping

meat safe, it's easy for consumers to think the opposite, particularly when a recall tells them that the food in the fridge or pantry may be dangerous. In their study, Dr. Dodd and Dr. Powell looked at what information consumers can take away from the Food Safety and Inspection Service's Web site, and suggest government agencies can more clearly communicate their role in keeping the food supply safe.

"We as Americans tend to expect more from regulatory agencies than we should, so we set ourselves up for disappointment," Dr. Dodd said. "Occasionally, regulatory agencies may create unrealistic expectations by the way they communicate with the public. The message of our paper is to say that the Food Safety and Inspection Service is doing a good job, considering the amount of resources it has. We are trying to open up dialogue about how its role could be communicated more effectively."

The researchers said it might be

helpful for consumers to know a few things about the inspection process that can lead to recalls:

* Not all foods are recalled because someone has gotten sick. "As a consumer, when a recall occurs, I look to see how it was initiated -- from an outbreak or routine testing," Dr. Dodd said. "There's always testing involved, and if the recall is from routine testing, I think, 'This is great. The testing works.' If it's from a foodborne illness outbreak, I think, 'At least we caught it.'"

* When a meat recall occurs, the Food Safety and Inspection Service and industry probably are erring on the side of caution. "The amount of meat recalled is most likely more than the amount that may be contaminated," Dr. Dodd said.

* When food like ground beef, for instance, is tested by the beef processor or the Food Safety and Inspection Service, not every bite of meat is under scrutiny. Rather, a group of scientific experts have agreed on a sampling method that appropriately represents the product. Dr. Dodd said that it's kind of like automobile safety standards: There is a system in place to test the safety of your car, but that doesn't mean you're sitting behind the wheel of a car that was tested.

* Testing is just one tool that the Food Safety and Inspection Service uses. Its role is to monitor what other stakeholders are doing to keep food safe. "As a regulatory agency, the Food Safety and Inspection Service is monitoring food safety, not necessarily testing it themselves," Dr. Dodd said. "I think that's what a lot of us consumers misinterpret. We need to remember that regulatory agencies allocate, not assume, responsibility."

More information about food safety is available at <http://barfblog.foodsafety.ksu.edu/>

Dr. Payne introduces Calais, KSDS puppy in training

Bringing a pet to work is rare, but for Dr. Pat Payne it's an everyday occurrence. Because she trains service dogs, the CVM has given Dr. Payne permission to bring her puppy to work with her.

"Calais is my fourth puppy in training" Dr. Payne said. "She's 5 months old and I've been working with her since she was 8 weeks old."

Dr. Payne was partnered with Calais through KSDS Inc., where she was bred in Washington, Kan. The Cadillac Club of Kansas City sponsored this litter, so each of the purebred Labradors were named after Cadillac cars.

"I got involved in KSDS for the wrong reasons," Dr. Payne said. "I lost my two Labradors at 14 years of age and didn't want to face another old dog. In this program, I could have one puppy after the next. It has turned out not to be about the dogs, but — it's really about the people. KSDS has brought a lot of amazing people into my life. The puppy raisers are wonderful souls and the graduates are amazing."

Dr. Payne learned about the program through the CVM's annual Dog-N-Jog program that helps raise money for KSDS. KSDS brings dogs in training to K-State for clinical skills to give veterinary students normal, healthy animals to examine.

After puppies are at least 18 months old they are returned to

KSDS for evaluation and further training. OFA (Orthopedic Foundation for Animals) radiographs and eye CERFs (Canine Eye Registration Foundation) are done here at the VMTH. If they pass these physical tests plus personality tests, then intensive training and a search for partners begins.

Dr. Payne's previous trainees Maize and Asheni became service dogs for people with multiple sclerosis. Tinsel is now in the guide dog program and should graduate in October.

Dr. Payne encourages students to say "Hi," but emphasizes following protocol. Calais has to pay attention to her trainer, so address Dr. Payne first, and then she'll introduce you to Calais.



Dr. Pat Payne takes a break to play with Calais, KSDS puppy in training.



By Carol Elmore

Using databases such as PubMed and CAB Abstracts to find articles about veterinary medical topics is a frequent task for veterinary faculty, staff and students. Many times these two databases are the only ones consulted. K-State Libraries has access to other databases relevant to veterinary medicine. A listing is located at www.lib.k-state.edu/db/subject/vetmed.html.

Biological Abstracts, for example, indexes 9,600 journals each year. Article citations go back to 1969 and include abstracts. Biological

Check it Out at the Library

"Search these databases for research"

Abstracts covers life sciences, natural sciences and veterinary medicine, and includes references to journal items focusing on vital biological and medical research findings, pharmacological studies and discoveries of new organisms. Those who submit research applications to K-State's IACUC (Institutional Animal Care and Use Committee) are often encouraged to use Biological Abstracts for literature searches according to Gayle Willard, CVM Library Director and member of the IACUC committee.

Another useful database is

Food Science and Technology Abstracts (FSTA), which provides information on food science, food technology and nutrition from 1969 to the present. This database indexes 1,800 publications in 40 different languages and covers specific topics relating to every aspect of the food chain including all the major food commodities plus biotechnology, microbiology, food safety, additives, nutrition, packaging and pet foods.

Two other databases to consider are Web of Science and SciFinder. Both cover scientific topics, especially

chemistry-related. Although they cover the same subjects, a study conducted and published in the Journal of the American Society for Information Science and Technology found that different citations resulted when the same search was performed in each database. One possible explanation was that SciFinder covers more chemistry journals but Web of Science covers more journals where multidisciplinary chemistry articles are published. A comprehensive search of a chemistry topic related to veterinary medicine should be searched in both databases to achieve the most comprehensive results.

Remember if you need help with searching any of our databases, staff members of the Veterinary Medical Library will be happy to assist and consult with you on your searching issues.



Under the microscope:

Sue Hageman

Research Assistant
Anatomy & Physiology



Place of birth: Emporia Kan. Also lived in Kansas City, Mo., and Paola, Kan., as a child.

Family information: Husband is Galen, and we have two sons, Blake and Wade.

Pets: None at the moment, but previously have had a horse, dog and two cats.

If you could spend a day with anyone who would you choose? Oprah, she's so informative and caring. Otherwise, with my kids.

What is a favorite book that you have read? One I read recently that was good was "Eat, Pray, Love."

What is your favorite way to spend a day off? Watching my boys play sports, or with my family on a vacation skiing in the mountains, swimming in the ocean, or quilting

What color expresses your personality and why? Blue, Calm

New residents take their place



A new group of residents arrived on campus this summer. They are (left to right): Dr. DesChene Bochrup, Dr. Jonathan Pucket, Dr. Nicole Smee, Dr. Ralph Millard, Dr. Amy Nagy and Dr. Liz Devine.

CVM News Ticker



Dr. Meena Kumari was selected as a member of the Neurotoxicology and Alcohol Study Section, Center for Scientific Review for the National Institutes of Health (NIH). She will help review grant applications, make recommendations to the NIH advisory council and survey the status of research in her study section. Congratulations Dr. Kumari.

Dr. Dan Thomson spoke at the North Dakota VMA meeting in Minot from Aug. 5-7. Topics included: Management tips for starting high risk calves on feed, Nutrition for newly received calves, and Beef Cattle well-being-science, media and politics.

Dr. Howard Erickson was elected president of the American Veterinary Medical History Society for 2009-2010. He was also asked to be a member of the Vet 2011 National Committee in the U.S. for the purpose of organizing events regarding the 250th Anniversary for the veterinary profession.

Read about the unusual summer vacation activities for **Sarah Guengerich**, class of 2011, and the Cat from North Dakota. **Stephanie Oursler**, class of 2012, writes about CERT training, and Dr. Justin Kastner shares some photos featuring some visitors from Egypt: www.vet.k-state.edu/depts/development/lifelines/0908.htm

new arrivals welcome

- TMitzi Wegman - KSVDL
- Jamie Gardner - KSVDL
- Samantha Lilley - KSVDL
- Pradeep Malreddy - Clinical Sciences
- Crystal Hammond - VMTH

thanks recent departures

Sadie Gleason - VMTH