



Also inside this issue of *lifelines*:



Dog houses test students design skills. See page 2



Dual degree scholar. See page 3



Pets highlight KVMA luncheon. See page 3



CVM faculty in news for equine work. See page 4

Take one tablet and study well

CVM team publishes research on tablet PC program at K-State



A new study explores the effectiveness of the CVM's tablet PCs as a teaching tool.

A tablet is often prescribed by doctors for medical treatments, but what about a computer tablet for teaching students about veterinary medicine? A new article by researchers in the Kansas State University College of Veterinary Medicine explores the impact of this innovative teaching tool in the new issue of the *Journal of Veterinary Medical Education*.

"The use of tablet PCs (personal computers) has been investigated in many disciplines such as engineering, mathematics, science and education, but we wanted to explore student and faculty attitudes and experiences in veterinary medical education" said Dr. Hong Wang, coordinator of Instructional Technology and Design at the veterinary college and co-principal investigator of the grant that lead to the journal article. The other authors of this study were Dr. Bonnie Rush, Head of Clinical Sciences; Dr. Melinda Wilkerson, professor in immunology and clinical pathology; and Dr. Deon van der Merwe, associate professor in toxicology.

The CVM converted to a paperless classroom format when it began issuing tablet PCs in fall 2007 to the incoming DVM class of 2011. The tablet PCs are used by students to download, write and organize notes.

"Our study reports that the use of tablet PCs allows students to organize and search course notes more efficiently" said Dr. Bonnie Rush. "The tablet PC program provides our faculty the potential to pursue technology integration strategies that support learning outcomes and provides students with problem-solving skills that support lifelong learning."

While the tablet PCs provide several benefits, there are also downsides to their usage. The study identified digital distraction as the major negative experience with tablet PCs during class time. However, there are tools and techniques available to the faculty to help limit distractions.

One strategy used by a faculty member was using a program called "DyKnow" to block non-educational resources in class. This is one of several software programs that allow students to only access resources needed for learning during class time, such as OneNote, Word, PowerPoint, Excel, Adobe Reader, dictionary sites, the course management system, and the PubMed site.

"Overall we are very pleased with the success of tablet PCs at K-State," said Dean Ralph Richardson. "We are excited to be at the forefront of technology and we are also excited to be at the forefront of research to show the real-world impact of this technology in our classrooms. This is the new paradigm in professional education, so it's very important that we continually review and evaluate our educational tools and strategies."

Going to the dogs: Veterinary medicine students build doghouses for Manhattan, Topeka humane societies

This idea is definitely for the dogs — and all for a tail-wagging cause.

CVM students recently assembled and painted doghouses in the Homes for Hounds event to raise funds for two area nonprofit animal welfare organizations: Helping Hands Humane Society in Topeka and the Riley County Humane Society in Manhattan.

The houses were judged on creativity and uniqueness, and the top two teams received prizes. The top doghouses also were auctioned at the Helping Hands Humane Society's Bone Appetit event on May 31. The other doghouses will be used by the Riley County Human Society in its mission of providing foster care and shelter for animals.

Nestlé Purina was the premier sponsor of Homes for Hounds and provided the doghouses, while Sherwin-Williams

in Manhattan donated paints and supplies. Teams of three to five veterinary students painted each doghouse, choosing from the five paint colors provided: red, blue, yellow, black and white.

"Nestlé Purina is a company that strives to connect veterinary students with local animal shelters," said Colin Adley, a third-year veterinary medicine student from Manhattan and a student representative for Nestlé Purina. "It is our goal and aspiration to see Nestlé Purina as an advocate of the community. We want to provide the Kansas State University veterinary students with the opportunity to serve their community and shelters in the constructive, team-building exercise Homes for Hounds."



The first-place winner in the Home for Hounds event was designed by, from left, Shoshana Levshin, third year; Justin Jones, third year; Jonathan Yang, second year; Edgar Ocampo, third-year and Edyta Hrynkiwicz, third year.



The second-place winner was designed by, from left, Charlene Carrera, Gracie Chen, Cyndi Davidson and Stephanie Liao, all second-year students. Below: Students prime the dog houses before coming up with colorful designs.



Video Feature: Dual degree scholarship for DVM/Ph.D.



Dr. Charley Cull just graduated in May with a DVM and is concurrently working on a Ph.D. through a unique dual degree scholarship offered by the CVM.

Earning a Doctor of Veterinary Medicine degree and a doctorate at the same time can be a demanding and financially challenging undertaking. But it also can provide several career options beyond that of a traditional DVM.

To make the option of earning the two degrees more financially practical, the Kansas State University College of Veterinary Medicine is offering a dual DVM-Ph.D. scholarship program to a select group of deserving students.

College of Veterinary Medicine class of 2014 member Dr. Charley Cull is the first student to complete his DVM as part of this special scholarship.

“What’s nice about the program is that there are some financial incentives, as well as with both degrees,” Charley said. “The DVM profession has many opportunities through general practice and veterinary specialties, as well as working for the USDA, government or even politics. The Ph.D. probably brings in more of the data-driven jobs — wanting to know more answers, seeing if we can treat populations of animals — while looking at disease processes and food safety.”

Watch this month’s full video at Lifelines online: www.vet.k-state.edu/depts/development/lifelines/1406.htm. The video will also be posted at the KSUCVM YouTube channel.

Highlights from 76th Annual Conference for Veterinarians



Remington, the fire dog from Independence, Kansas, stole the show at the annual KVMA luncheon and awards.



Dr. Eric Garcia, a VHC resident in diagnostic imaging and radiology, gives tips and tricks for better radiographs.



Dr. Dick Hesse promotes the Kansas State Veterinary Diagnostic Laboratory at the annual barbecue that it sponsors.

Media cites CVM faculty on equine nasal strips

As debate surrounded the decision to allow California Chrome to wear a nasal strip in the Belmont Stakes, CVM researchers who tested the product say the focus should be on the nasal strip's health benefits and not on possible performance enhancement.

Dr. Howard Erickson, professor emeritus of anatomy and physiology, and Dr. David Poole, professor of kinesiology and anatomy and physiology, researched the Flair nasal strip in 2004, now used by the thoroughbred racehorse, and found it can help reduce lung damage in horses.

"I think the Flair nasal strip was beneficial for this horse, and the Flair nasal strip has been shown by our research to reduce exercise-induced pulmonary hemorrhage by approximately 50 percent. I think that is beneficial," Dr. Erickson said.

Unlike humans, horses only breathe through their nose. Dr. Poole said that when a horse breathes, it can generate a negative pressure in its lungs. High-intensity activities like races, combined with a narrow nasal passageway, put extra pressure on the horse and often result in a hemorrhage in the lungs. The Flair nasal strip is designed to alleviate that.

Both doctors have been cited by national media this spring.



CVM NEWS TICKER

Dr. Masaaki Tamura just completed two symposium presentations as an invited speaker. One took place in the Japanese Endocrine Society meeting in Fukuoka, Japan, from April 24-26, and the other was in the American Society of Gene and Cell Therapy annual meeting in Washington D.C., from May 21-24. His title for the Japanese Endocrine Society meeting was "Therapeutic application of umbilical cord matrix stem cells on breast cancer bone metastasis" and the Gene and Cell Therapy meeting was "Umbilical Cord Matrix Stem Cells as Therapeutic Agents for Breast and Lung Cancers."

Dr. Judy Klimek reports she will be in Ames, Iowa, June 12 to review examination questions for the National Board of Veterinary Medical Examiners. Earlier this spring, she attended the AAVMC Annual Meeting, Alexandria, Virginia, and presented, "Teaching Scientific Information Literacy Skills to Veterinary Students: The Missing Link." In January, she presented "Helping Students Make the Most of Their Brain Power" at the KSU Spring Teaching Workshop.

Dr. Howard Erickson shared news about the 2014 J. Fred Smithcors Student Veterinary History Essay Contest: Brittany Blattner, class of 2016, earned fourth place with her essay "Helping Paws Throughout History: The Evolution of the Service Dog." Samantha Schimming, class of 2016, earned honorable mention with her essay, "Hay, Oats, and Water? A Brief Look at the History of Drug Use in Thoroughbred Racing"

Amy Sents, class of 2015, was one of 12 students selected to be a recipient of the 2014 Kenneth Eskelund Preceptorship Scholarship presented by the American Association of Avian Pathologists Foundation.

Dr. Meena Kumari accepts national service award



Dr. Meena Kumari, has been awarded the 2014 Service award of the Association of Scientists of Indian Origin in America (ASIOA). Dr. Kumari's service award was presented in recognition of her dedication to the society's goals.

UPCOMING EVENTS

AVMA Convention: July 25-29, Denver, Colorado

lifelines is published monthly by the Development Office in the College of Veterinary Medicine. The editor is Joe Montgomery, jmontgom@vet.k-state.edu. Read online at www.vet.k-state.edu/depts/development/lifelines/1406.htm

Connect with us!
facebook.com/ksucvm
youtube.com/ksucvm
twitter.com/ksucvm

