NEW EQUINE SERVICE

ACUPUNCTURE ARRIVES AT VETERINARY MEDICAL TEACHING HOSPITAL

Acupuncture and Traditional Chinese Veterinary Medicine services are now offered for equine patients by faculty member Sarah LeJeune, a board-certified equine surgeon.

Dr. LeJeune says, “The National Institutes of Health, after reviewing many clinical trials, reports that acupuncture therapy can be effective as an adjunctive treatment for musculoskeletal problems, neurological disorders, gastrointestinal disorders and some other chronic conditions.”

To contribute to scientific understanding of Eastern therapies, Dr. LeJeune carries out research on the physiological effects of acupuncture, specifically gastrointestinal motility and blood pressure regulation under general anesthesia.

To contact the service or make appointments, phone the Large Animal Clinic, (530) 752-0290.

UC Presses for Enrollment Growth

The following words come from the January 2007 report, “A Compelling Case for Growth,” published by the UC Advisory Council on Future Growth in the Health Professions:

Demand for veterinary services is increasing rapidly, yet the rate of increase in production of new veterinarians is not keeping pace. California ranks 49th in the nation in veterinarians per capita. The demand for public practice veterinarians to ensure the health of food animals and the safety of food… is also growing more rapidly than current educational programs can meet.

Continued on page 3
VET MED III B: ON THE DRAWING BOARD

Veterinary Medicine III B will provide state-of-the-art collaborative laboratory space and offices for 55 faculty members now housed in outdated Haring Hall. The facility will increase capacity for basic and applied research of scientists working in molecular biosciences, anatomy/physiology, cell biology, population health and reproduction, and Veterinary Medicine Extension.

Research programs in 28 disciplines will include carcinogenesis, developmental biology, epidemiology, aquatic toxicology, food safety and zoonotic diseases. The building will support 40 student-faculty research teams as they develop new knowledge for the advancement of animal, human and environmental health, and the future of veterinary medicine.

While much of the funding for the $95 million project will come from state, university and campus sources, the School of Veterinary Medicine must raise $12 million in private funding toward construction costs.

To date, school officials have raised $2.5 million and received a conditional $5 million pledge, but need more private support to fulfill the school’s expected commitment.

CLASSROOM TECHNOLOGY

INNOVATIONS—CERE, CREST AND CLICKERS—ENHANCE TEACHING

Faculty members are mining the riches of technology to bring innovative teaching materials and methods into the school’s new instructional facility, Gladys Valley Hall, and other classroom venues.

Students now use powerful laptop or “tablet” computers and wireless Internet connections. A content-management system called the Collaborative Educational and Research Environment (CERE) facilitates delivery and organization of instructional information, and includes academic chat rooms and on-line submission of assignments. The system allows easy highlighting and searchable annotation of notes. The technology enhances access to and management of a full range of materials from course notes to online study sessions—all tailored to each student’s individual learning style.

A searchable database of curricular information, the Curriculum Repository and Search Tool (CREST), allows instructors to track classroom scheduling and transfer information about individual courses to CERE.

In addition to laptops, handheld electronic devices termed “clickers” enhance classroom interaction. Students can answer questions at the press of a button and provide instant feedback to instructors.

DEDICATION TO EDUCATION

CLINICAL TEACHING FACILITY NAMED FOR GARY GOURLEY

The school honored one of its most influential educators last February by naming the veterinary medicine laboratory facility, opened in 2002, the Ira M. “Gary” Gourley Clinical Teaching Center.

Dr. Gourley, one of the early diplomates of the American College of Veterinary Surgeons, joined the faculty in 1968 and served with distinction for 23 years.

“The quality that defined Dr. Gourley as an educator,” says Dean Bennie Osburn, “was his extraordinary dedication to surgical teaching. A demanding and effective instructor, Dr. Gourley made special efforts to involve students in surgical procedures and maximize their surgical experience.”

Students in the class of 2010 bring laptops to Gladys Valley Hall for their lecture by Professor James Jones—Allometry: Effects of Body Size on Structure and Function.
UC Presses for Enrollment Growth
Continued from page 1

In the 67-page report, authors lean heavily on a comprehensive assessment of health workforce needs undertaken in 2004 by the university-wide Health Sciences Committee. Based on these and other findings, the Advisory Council recommends specific measures:

- Expand DVM class size to 160 students per year as early as 2008—total school enrollment would rise from 497 (currently) to 640 students by 2012
- Increase the number of veterinary specialty residents by 20 per year over the next three years, for a total of 150
- Increase workforce diversity to reflect California’s many cultures

The council considered needs and recommendations up to 2020.

Because the level of growth needed at the UC Davis School of Veterinary Medicine to address state needs far exceeds current capacity—even with new infrastructure—the council further recommends that the university explore the feasibility of a second comprehensive UC veterinary school.

To meet the state’s need for highly qualified veterinarians, the school is pursuing many avenues—new facilities, a national workforce initiative in public health, faculty recruitment efforts, academic planning and new service programs.

For more information, visit the Web site of the UC Office of the President, Division of Health Affairs (http://www.ucop.edu/healthaffairs).

WILDLIFE HEALTH

VETERINARIANS REPAIR WILD BIRD WING

A black-crowned night-heron received replacement feathers through an imping, or grafting, procedure last February, after the bird was found at the UC Davis Arboretum dangling from a tree, its damaged wing entangled in fishing line.

UC Davis veterinarians Shannon Riggs, Oiled Wildlife Care Network (OWCN) wildlife veterinarian based at the International Bird Rescue Research Center, and Bill Ferrier, staff veterinarian with Campus Veterinarian Services and codirector of the California Raptor Center, used donor feathers and epoxy to replace the heron’s nine broken feathers. The night-heron was released the following morning.

Walter Boyce, codirector of the school’s Wildlife Health Center, says, “Skilled clinicians made this bird whole again, and they are backed up by a whole team of UC Davis experts working to make the environment safer and healthier for wildlife.”

The Wildlife Health Center directs not only the OWCN, but also the SeaDoc Society and its California Lost Fishing Gear Removal Project and other new initiatives to remove hazardous gear from California coastal waters.

For more information, visit the Web site of the UC Office of the President, Division of Health Affairs (http://www.ucop.edu/healthaffairs).
Local Wildfire Demonstrates Power of Disaster Planning and Response

It happened here. It could happen to you or your clients. Before dawn September 22, 2006, wildfires swept through 13,000 acres of Yolo County pastureland. Flames and smoke caught more than a thousand sheep.

The Veterinary Emergency Response Team, from its base at the Veterinary Medical Teaching Hospital, mobilized immediately.

Fifty faculty members, staff members and students volunteered for weeks to treat animals, euthanize sheep, and care for ewes until their lambs were born in December. Team leaders and county officials arranged for disposal of hundreds of carcasses to prevent risk to public health.

“Students have a big interest in contributing to crisis response in their communities,” says Dr. Madigan. “If we can train them during veterinary school, our graduates will become a valuable resource for local communities throughout the state.”

As of October 2006, federal law requires states to help evacuate pets during a natural catastrophe or risk losing federal money.

A 2006 California law requires the Office of Emergency Services to incorporate animal emergency response into the existing management system for livestock. At press time, it was unclear exactly how the office would fund animal emergency response, especially for pet evacuation, yet the School of Veterinary Medicine community has demonstrated willingness and aptitude for the task.

Dr. Madigan says, “Yolo County can model how a disaster plan should work. The ability of the school to assist in an organized way during declared disasters has been proven in several events over the past 10 years.”

Many suggestions exist for packing an “animal disaster kit.” All are helpful, but for emergency responders, planning tops the list. Dr. Madigan says, “Developing, discussing and practicing a disaster plan will help prevent turning an initial disaster into a greater tragedy for animals.”

EMERGENCY TIPS: HORSES

- Develop a disaster plan now. Locate temporary livestock facilities and plan several possible evacuation routes.
- Post the phone numbers of your local animal control services and County Office of Emergency Services on your barn.
- Keep all transporting equipment ready for use on a moment’s notice. Be sure horses are well schooled in trailer and/or van loading.
- Work with your veterinarian to develop a first-aid kit with bandage material, scissors, flashlight, duct tape and pain medication.
- Keep a halter and lead rope available for every horse. If you must evacuate, secure the horse’s name and your name, address and phone number in indelible ink on duct tape around the halter or horse’s neck.
- Place photographs and written descriptions of your horse(s) in a safe place.
- Maintain your property—remove any dangerous debris that could entangle or injure animals.

EMERGENCY TIPS: PETS

- Identify out-of-area boarding kennels, veterinary clinics, family, friends or pet-friendly motels.
- Have appropriate pet carriers at hand, and familiarize your pet with a portable kennel.
- Use identification tags or microchips.
- Keep copies of vaccination records and current photographs in a waterproof container.
- Set aside food and water for seven days: about a gallon/day for a 40-pound dog and one quart/day per cat.
- Keep a kit with medications, gauze rolls for bandaging and making muzzles, towels and blankets, leashes, extra collars, litter box, bags and scoopers.

Last September, dozens of Veterinary Emergency Response Team volunteers assisted area ranchers, evacuating horses to safety and treating or euthanizing mortally injured animals after swift-moving wildfires burned more than 1,000 sheep in Yolo County pastures.
New: Clinical Nutrition Services in Southern California

Pets, clients and veterinarians have a new resource in Southern California, the WALTHAM UC Veterinary Medical Center-San Diego Clinical Nutrition Program. Launched in March 2007, the program is staffed by highly trained veterinary nutritionists who offer the following clinical services:

- Recommendations for commercial or formulated home-prepared diets to treat diseases that have a nutritional foundation or require dietary intervention
- Individualized weight-loss and weight-management regimens and follow-up care
- Parenteral nutrition formulations (such as intravenous or intramuscular formulas administered outside the digestive tract)
- Nutritional support and consulting on feeding strategies for critically ill animals
- On-site appointments and remote consulting services.

WALTHAM, the science behind Mars Pet Care brands such as Royal Canin, Pedigree and Whiskas, is partnering with UCVMC-SD to provide start-up support to establish the initiative and secure its successful future.

“Initiation of the WALTHAM UCVMC-SD Clinical Nutrition Service will provide a unique, clinically relevant and highly visible opportunity to bring advanced nutrition for the maintenance of health and function to the care of companion animals,” says Dr. Catherine Woteki, Global Director of Scientific Affairs for Mars, Inc.

The founding of the WALTHAM UCVMC-SD Clinical Nutrition Program extends the school’s highly-regarded nutrition program at UC Davis. Both the Davis and San Diego programs are led by Associate Professor Andrea Fascetti, a board-certified veterinary internist and veterinary nutritionist.

SPAY DAY 2007
SCHOOL VOLUNTEERS AID COMMUNITY EFFORT

Two hundred fifty faculty, staff and student volunteers at the School of Veterinary Medicine pitched in February 25 to spay or neuter more than 100 dogs on Spay Day.

Faculty veterinarians and experienced staff members performed the procedures, while students assisted according to their level of training.

In addition to the surgery, the dogs also received thorough physical examinations, vaccinations and identifying microchips.

“Spay Day is a fantastic opportunity for us to help the community,” says Dean Bennie Osburn. “Volunteers are making a difference in reducing the number of homeless pets euthanized in shelters.”

Sponsors estimate that the regional total of 800 Spay Day surgeries, coordinated by the Sacramento Area Animal Coalition, will prevent approximately 11,000 puppy and kitten births over the next year.

A spayed or neutered pet has a longer, healthier life, with fewer reproductive problems, less cancer and fewer behavior problems. Owners of spayed or neutered animals are also less likely to surrender them to shelters, UC Davis veterinary researchers have found.

The school extends special thanks to the Yolo County Society for the Prevention of Cruelty to Animals, the Association of Veterinarians for Animal Rights, Schering-Plough Animal Health and Abbott Animal Health. The organizations provided funds and in-kind contributions to support the Spay Day effort at the School of Veterinary Medicine.
NEW FACULTY

THE SCHOOL’S NEWEST FACULTY MEMBERS

DORI BORJESSON
Associate professor of veterinary clinical pathology; Pathology, Microbiology and Immunology

EDUCATION
PhD, comparative pathology, UC Davis, 2002
Diplomate, American College of Veterinary Pathology, 1999
MPVM, epidemiology/wildlife health, UC Davis, 1995
DVM, UC Davis, 1995

EXPERIENCE
Assistant professor, veterinary population medicine, University of Minnesota, 2002–06
Residency, veterinary clinical pathology, UC Davis, 1996–99
Associate veterinarian, Animal Hospital of Salinas, California, 1995–96

SPECIALTY
Tick-borne bacterial diseases, platelet and neutrophil function, host-pathogen interactions

RIZIBIN CHEN
Professor and director of the Veterinary Oncology Program; Veterinary Medical Teaching Hospital and UC Davis Medical Center Cancer Center

EDUCATION
PhD, microbiology, Michigan State University, 1991
MS, microbiology, Nanjing Agricultural University, China, 1985
BS (DVM) veterinary medicine, Anhui Agricultural University, China, 1982

EXPERIENCE
Professor and senior scientist, Comprehensive Cancer Center, University of Alabama, 2004–06
Adjunct professor, codirector of Tumor Biology Program, Comprehensive Cancer Center, University of Alabama, 2003–06
Scientist and associate professor, Department of Cell Biology, University of Alabama, 2001–04
Associate professor, Medical College of Georgia, 2001
Assistant professor, Medical College of Georgia, 1996–2000
Postdoctoral studies, Columbia University, 1992–96

SPECIALTY
Cell cycle and cancer genetics, veterinary and comparative oncology

SEAN OWENS
Assistant professor of diagnostic clinical pathology, Pathology, Microbiology and Immunology

EDUCATION
Diplomate, American College of Veterinary Pathologists, 2004
DVM, Colorado State University, 1998

EXPERIENCE
Veterinary clinical pathologist, IDEXX Reference Laboratory, Inc., West Sacramento, California, 2004–06
Residency, clinical pathology, UC Davis, 2001–04
Fellow, Penn Animal Blood Bank, University of Pennsylvania, 2001
Fellow, transfusion medicine, University of Pennsylvania, 2000–01
Staff veterinarian, VCA Teneris Animal Hospital, Pasadena, California, 1999–2000
Internship, VCA West Los Angeles Animal Hospital, 1998–99

SPECIALTY
Blood banking and transfusion medicine, red cell storage lesions, blood typing and cross matching compatibility issues in companion animals, blood group antigens in domestic animals

ERIC JOHNSON
Assistant professor of clinical diagnostic imaging, Surgical and Radiological Sciences

EDUCATION
Diplomate, American College of Veterinary Radiology, 2005
DVM, UC Davis, 2001

EXPERIENCE
Residency, radiology, UC Davis, 2002–06
Internship, small animal medicine/surgery, Veterinary Medical and Surgical Group, Ventura, California, 2001–02

SPECIALTY
Radiography, diagnostic imaging

CHRISTINE KREUDER-JOHNSON
Assistant professor, Medicine and Epidemiology

EDUCATION
PhD, epidemiology, UC Davis, 2003
MPVM, UC Davis, 2000
VMD, University of Pennsylvania, 1994

EXPERIENCE
Associate wildlife veterinarian, Wildlife Health Center, UC Davis, 2003–06
Staff veterinarian and director of research, Clinic for the Rehabilitation of Wildlife, Sanibel, Florida, 1996–98
Internship, large animal surgery, Tufts University, 1994–95

SPECIALTY
Wildlife population health and ecosystem health, emerging zoonotic diseases in wild animals

KATHERINE SKORUPSKI
Assistant professor of clinical medical oncology, Surgical and Radiological Sciences

EDUCATION
Diplomate, American College of Veterinary Internal Medicine, oncology specialty, 2005
DVM, Texas A&M University, 2000

EXPERIENCE
Lecturer, University of Pennsylvania, 2005–06
Residency, oncology, University of Pennsylvania, 2002–05
Internship, small animal medicine/surgery, The Ohio State University, 2001–02
Internship, small animal medicine/surgery, All-Care Animal Referral Center, Fountain Valley, California, 2000–01

SPECIALTY
Histiocytic neoplasia, feline oral squamous cell carcinoma, and veterinary clinical trials

BEVERLY STURGES
Assistant professor of clinical neurology/neurosurgery, Surgical and Radiological Sciences

EDUCATION
Diplomate, American College of Veterinary Internal Medicine, neurology specialty, 1998
DVM, Oregon State University/Washington State University, 1986

EXPERIENCE
Associate veterinarian, Veterinary Medical Teaching Hospital, UC Davis, 2005–06
Chief, Neurology/Neurosurgery Service, Veterinary Medical Teaching Hospital, UC Davis, 2002–03
Lecturer, UC Davis, 1998–2004
Residency, neurology/neurosurgery, UC Davis, 1995–98
Associate veterinarian, private practice, 1986–95

SPECIALTY
Intracranial hypertension and neurological surgery of the brain and spinal cord
DEAN’S CLUB HONOR ROLL

July 1, 2005, through June 30, 2006

Some Dean’s Club members, most of whom are alumni, support the School of Veterinary Medicine Annual Fund to give back to the profession they love. Some give because they feel kinship with veterinary and graduate students and their financial hardships. Others give to support the school’s reputation for academic excellence.

“I value their tremendous support,” says Dean Bennie Osburn. “I also draw strength from knowing that I have a close circle of friends and supporters who understand the challenges and opportunities facing the school and are willing to join with me in addressing them. From time to time I call upon members of the Dean’s Club to serve as school ambassadors, and I seek their insight on a variety of issues.”

THE PETER J. KENNEDY MEMORIAL FELLOWSHIP: AN ENDURING TRIBUTE

In honor of Peter Kennedy’s career as a teacher, researcher and mentor, a graduate student fellowship bearing his name was established in 2002. The Peter J. Kennedy Memorial Fellowship supports students pursuing academic careers in veterinary anatomic pathology.

The initial endowment campaign was spearheaded by Dr. Kennedy’s former student, William Spangler of Winters, California and N. James MacLachlan, professor in the school’s Department of Pathology, Microbiology and Immunology (PMI). Since 2002, three students have received the prestigious fellowship through competitive selection by a committee of faculty members and Dr. Spangler.

Sadly, Dr. Kennedy passed away in 2006, but not before knowing that his named fellowship was helping students to pursue graduate research.

The current Kennedy Fellow is Clifton Drew, DVM. Dr. Drew completed a residency in anatomic pathology and is now working toward a PhD degree in Dr. MacLachlan’s laboratory. His work is focused on the pathogenesis of equine viral arteritis.

“The success of this endowment reflects both Dr. Kennedy’s long career training veterinary pathologists and the loyalty of our program’s alumni toward their UC Davis experience. The endowment is an important component of our overall pathology training program, as it allows us to support research in aspects of veterinary disease that don’t fit the mission of human health-oriented government agencies like NIH,” says Dennis Wilson, PMI department chair. “I know Peter was pleased with the support we have been able to provide to our graduate students, and he was very touched by the response,” says Dr. Wilson.

Tributes to further develop the fellowship are still being accepted. For more information, contact the school’s development office, (530) 752-7024.

NEW SOCIETY HONORS LONGTIME DONORS

To honor continuing, longtime support of the School of Veterinary Medicine, Dean Osburn has established the Garrod Society, which recognizes current donors who have made gifts to the school for 10 consecutive years.

R. Vince Garrod, chairman of the California State Board of Agriculture in the 1930s, worked for a decade to build statewide support to establish a veterinary school on the UC Davis campus. The school’s first class was accepted in 1948.

Garrod Drive, the campus street named in his honor, now leads to the heart of the new Health Sciences District and School of Veterinary Medicine.

Mr. Garrod, who never finished elementary school, was a respected agricultural leader who instilled the value of education in his children. In 2003, his great-granddaughter, Melissa Garrod, earned her Doctor of Veterinary Medicine degree from UC Davis.

Mr. Garrod’s son, Vince, says “We as a family are pleased and honored to have the name of R. Vince Garrod so remembered and used.”

For more information, contact Celeste Borelli, director of development, (530) 752-7024 or clborelli@ucdavis.edu.
PAVILION CLASSROOM IS OPEN
SCHOOL CONTINUES PLANS FOR DAIRY TECHNOLOGY CENTER

The Consumer Education Pavilion, completed in 2005, is part of the planned California Dairy Technology Center. Based in the largest milk-producing county in the nation, the center will support multi-faceted education and research on a working dairy.

The 4,200-square-foot pavilion, located at the school’s Veterinary Medicine Teaching and Research Center in Tulare, contains a 60-seat, theater-style classroom. Its large demonstration and display area, at the front of the room, accommodates live animals.

Middle school and high school students, community college students and international university students have utilized the new classroom, as have personnel from the United States Department of Agriculture, California Department of Food & Agriculture, and UC Cooperative Extension.

2007

Holistic Veterinary Medicine Club Symposium
May 6, 2007—UC Davis

Practical Ultrasonography: Beginning/Review
May 19-20, 2007—UC Irvine

Practical Ultrasonography: Beginning/Review
June 2-3, 2007—UC Davis

Fourth Annual Veterinary Neurology Symposium
July 21–22, 2007—UC Davis

Alumni Day
September 15, 2007—UC Davis

20th Annual Fall Symposium on Recent Advances in Clinical Veterinary Medicine
September 16, 2007—UC Davis

Public Policy: A Short Course on Politics, Facts, Beliefs & Animal Health
September 27-29, 2007—UC Davis

23rd Annual George H. Muller Veterinary Dermatology Seminar in Hawaii
October 31–November 7, 2007—Maui, Hawaii

Ninth Annual Veterinary Endocrinology & Internal Medicine Seminar
November 27–December 4, 2007—Kauai, Hawaii

2008

Biennial Adventure Series
July 31–August 10, 2008—Galapagos Islands

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