The year 2011 included important anniversaries that cause us to reflect on the history and development of the profession of veterinary medicine. Most prominently, 2011 was declared the World Year of Veterinary Medicine due to the establishment, 250 years ago, of the first school of veterinary medicine in Lyon, France.

At the University of Wisconsin and 100 years ago, veterinary medicine was first established as an academic discipline through the establishment of the Department of Veterinary Science. From its origin in Lyon to today at the UW-Madison, veterinary medicine has been built on the commonalities and interactions among animal, human, and environmental health and well-being, now widely characterized as “One Health.” Veterinary medicine, with its remarkable achievements and impacts on animal and human health, has evolved, and will continue to evolve, through research.

Research, basic and clinical alike, provides the new knowledge that is needed for translation to clinical practice and patient care, for application across species through comparative medicine, and for the basis of contemporary veterinary medical education. The School of Veterinary Medicine has been fortunate in being able to build on the strong research and educational base of our campus predecessor, the Department of Veterinary Science, but our accomplishments would not have been possible without the strong and unwavering support of many donors.

As donors and partners, you have played a key role in shaping the future of the School of Veterinary Medicine, and of veterinary medicine as a profession.

Our accomplishments, including those described in this report, are your accomplishments, and we are very grateful for your support.
Unrestricted funds enable the school to respond to unexpected opportunities and unforeseen needs, provide ancillary support for faculty and staff enrichment, and make funds available for strategic investments in programs, projects and activities that the Dean finds essential to the overall mission of the school. Please consider giving to the Dean’s Annual fund and help us meet our greatest needs.

For more information on giving, please call Colin Nemeth at 608-263-7594

www.vetmed.wisc.edu/deansfund
One hundred years ago, the Department of Veterinary Science was created with just two faculty teaching five courses. As the department grew, the veterinary science graduate program was established. Today that program continues as the UW School of Veterinary Medicine’s Comparative Biomedical Sciences Program and is but one academic option for students.

Founded in 1983, after many years of political controversy, the School of Veterinary Medicine is the youngest school on the UW-Madison campus, and remains one of the youngest veterinary medical schools in the nation.

Despite its relative youth, the UW School of Veterinary Medicine is at the forefront of veterinary medical education, research, and clinical service. Over the past century, the role of the veterinarian in society has changed. Today’s veterinarians can pursue a variety of career opportunities, including academic
Looking at tomorrow

Over 90 percent of our students face significant debt load upon graduation.

Scholarships make a difference. With a scholarship endowment goal of $20 million, we can recruit the best and brightest students to the UW School of Veterinary Medicine and help them finance their veterinary medical education. If you would like to make a gift in support of our extraordinary students, please contact Colin Nemeth at 608-263-7594 or colin.nemeth@supportuw.org.

www.vetmed.wisc.edu/giving

<table>
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<tr>
<th>Class of</th>
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2011 Figures were not available at the time of printing.

$109,319
$107,811
$112,674
$103,644
$108,383

0        20      40       60       80     100     120

Student Debt Load Upon Graduation

$109,319
$107,811
$112,674
$103,644
$108,383

research, public health, global health, as well as large and small animal practice.

The UW School of Veterinary Medicine offers several dual degree and certificate programs, including a DVM/MPH (Master of Public Health) degree. This interdisciplinary professional degree program provides education and training in public health concepts and methods targeted to health professionals and students. Students can also pursue a master’s or doctoral degree in research along with their DVM program. Students can also earn a certificate in global health while they complete their DVM degree.

For the past four years, a group of students has accompanied Keith Poulsen, DVM, PhD candidate, to Ecuador as part of their global health certificate program. Following a semester-long class on global health, students spend 4-5 weeks in Ecuador where they observe how human and animal health care works, including a comparative analysis of traditional medicine (Shaman or Yachuck) with western medicine. Students also help with a vaccine campaign against Foot and Mouth Disease Virus.

Each year, the group identifies a theme around which they will concentrate their efforts. In past years, they have studied such diverse topics as food safety, water quality, and maternal and child health. This coming summer, students will examine brucellosis, a human/animal infectious disease that has been nearly eradicated in the U.S. They will look at the ways this disease can be prevented in various zones of Ecuador.

Exciting opportunities abound for this new generation of students at the UW School of Veterinary Medicine.
One hundred years ago, the Department of Veterinary Science was born on the UW-Madison campus. The Veterinary Science Graduate Program, created by that department, continues today as the School of Veterinary Medicine’s Comparative Biomedical Sciences Graduate Program. Throughout the past century, veterinary medicine at UW-Madison has made significant contributions to both animal and human health.

Our faculty were leaders in the eradication of bovine brucellosis in Wisconsin and the U.S. They recognized that the virus causing encephalitis overwintered in mosquito eggs. Our faculty discovered the virus that caused a malignant cancer in the lymph system of cattle, and they were the first to demonstrate the transmission of swine influenza from pigs to humans.

Today, the SVM remains an active participant on the global health front. Jorge Osorio, associate professor in the...
Department of Pathobiological Sciences is leading efforts to understand dengue fever, one of the world’s most pressing endemics, with two to five billion people living in affected areas. In 2010, more than 1.5 million cases of dengue fever were reported in the Americas. The virus, carried by mosquitoes, causes intense flu-like symptoms so severe and painful as to earn the nickname “break-bone fever.” A more severe form of the disease, dengue hemorrhagic fever, can be lethal.

Osorio helped develop a new vaccine for this virus and his work at the SVM demonstrated the safety and efficacy of the vaccine in preclinical studies. The vaccine was recently tested in phase one clinical trials in Colombia and was found to be very safe. If successful in future human clinical trials, it may be used to protect citizens and travelers in endemic countries.

Osorio is also directing a field team studying the disease in endemic areas of Colombia. This work is sponsored by the Gates Foundation-funded Dengue Vaccine Initiative (DVI). Osorio’s field site in Colombia is one of three sites around the world selected by DVI to study the burden and economic impact of the disease.

However, in the face of a problem like Dengue fever, the complex science behind the virus may be just the beginning. A successful vaccine needs to jump significant hurdles, including poor infrastructure and overrun health care systems, to reach those who need it. Osorio is looking at the big picture. By understanding the cost of Dengue, tracking the affected areas, and advocating with governments, his group hopes to overcome the usual roadblocks, helping the vaccine reach first and foremost the people who need it most.

The UW School of Veterinary Medicine’s Companion Animal Fund supports vital studies in such areas as cancer, infectious disease, orthopedics and kidney failure that seek to improve the health and well-being of a variety of companion animals. However, the SVM finds itself in the unenviable position of having twice as many potential research ideas as we have funding. If you would like to make a gift in support of improving health for all companion animals, please contact Kristi Thorson at 608-265-9692 or kvthorson@vetmed.wisc.edu.

Looking at tomorrow
One hundred years ago, Department of Veterinary Science faculty and staff were housed in several buildings scattered across the College of Agricultural and Life Sciences campus.

Today, 28 years after the School of Veterinary Medicine building opened to its first class of students, space is at a premium. The extraordinary growth of the School’s teaching, research, and clinical mission have pushed the building to its limits.

Still, the school’s administration retains a positive outlook. Dean Daryl Buss notes that philanthropy has and will continue to play a pivotal role in the school’s development. Private support has brought the school to its current level of excellence and private support will continue to make a difference in the years to come.

In 2011, the School of Veterinary Medicine opened the Frank and Evelyn Fryer Radiation and Physical Rehabilitation Facility.
Looking at tomorrow

In our effort to remain one of the best imaging centers in the country, UW Veterinary Care needs to replace and/or purchase several pieces of radiological equipment. Diagnostic imaging encompasses the diagnostic modalities of x-ray, ultrasound, nuclear medicine, CT, MRI, and echocardiography (heart ultrasound). Currently, one of our hospital’s greatest needs is a new magnetic resonance imaging unit (MRI) to replace an older, out-dated model. If you would like to make a gift in support of improved imaging capabilities, please contact Colin Nemeth at 608-263-7594 or colin.nemeth@supportuw.org.

www.vetmed.wisc.edu/imagingcenter

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www.vetmed.wisc.edu/imagingcenter
One hundred years ago, an abandoned dog discarded with the household trash would hardly be noticed. Today, animal owners and rescue organizations transport animals across the country seeking the best veterinary medicine has to offer. UW Veterinary Care has board certified veterinarians in 19 areas of specialization—more than any other animal hospital in Wisconsin. So it is no wonder that an animal owner would travel a great distance to obtain the best care possible. The story of Braveheart, a dog discarded and left to die in a Kentucky dumpster, recently brought media attention to UW Veterinary Care. Back in March 2011, when the doctors and technicians at UW Veterinary Care first met Braveheart, he was visibly starved, dehydrated, and suffering from three different parasite infections, various sores, and an unpleas-
As weeks passed, Braveheart made slow progress but his prognosis remained guarded. Dr. Daniel Foy, emergency and critical care fellow at UW Veterinary Care, said, “Unfortunately, I do think it is a far cry to say he is going to pull through everything. I’m cautiously optimistic.”

During his stay at UW Veterinary Care, a Braveheart fan created a Facebook page in his honor. Soon, over 12,000 friends were following his progress. Television and newspaper media covered his story and hundreds of well-wishers sent cards, gifts and money to support his struggle for survival and to assist with the cost of his care.

But the best part of Braveheart’s story is his miraculous recovery. “I am amazed each time I see him,” says Marti Houge, of One Starfish Rehoming Connections, the Columbus, Wisconsin-based rescue organization that saved Braveheart. “He could walk into the vet school today and no one would recognize him. He looks like a totally different dog. He has a proud way of holding himself. When we first met him, he looked really small, because he held himself so tight and was cowering. He doubled his weight and doubled his beauty.”

Braveheart’s recovery demonstrates the extraordinary care and commitment of the UW Veterinary Care team. Offering 24/7 emergency and critical care service, UW Veterinary Care handles a full range of emergencies from difficult delivery to trauma cases and other crises, with board-certified specialists only a phone call away.

Looking at tomorrow

As the hospital’s case load grows, so does the need for state-of-the-art diagnostics and care. Each year, the school invests in new equipment, but hospital revenue cannot always cover all necessary improvements. In an effort to offer the best of care to our patients, the hospital shares its equipment wish list with the public. If you would like to make a gift in support of equipment purchase, please contact Colin Nemeth at 608-263-7594.

www.vetmed.wisc.edu/wishlist