

*gentle* Fall 2008 • Volume 22, No. 3  
**Doctor**



The Road Less Traveled



*Dr. Amanda Fales-Williams,  
assistant professor of veterinary  
pathology at Iowa State University,  
and her parrot, Pumpkin.*

*Photo/Tracy Ann Raef*

## CONTENTS

### FEATURES

- 4** | CVM Q & A
- 6** | When Mother Nature Strikes
- 8** | The Road Less Traveled
- 10** | Racing Against Time
- 12** | A Sneak Preview

### IN EVERY ISSUE

- 3** | Message from the Dean
- 20** | News
- 23** | In Memoriam

# Message FROM THE DEAN



Photo/Bob Elbert

## A year of accomplishment; A challenging year ahead

Dear Alumni and Friends,

Hindsight is always easier than foresight — and often more accurate. So the end of a fiscal year is a good time for review and looking ahead. We made big strides forward toward accomplishing our strategic plan and meeting our timeline.

### Outstanding Year in Research

External funding was up 41 percent over last year, according to college data. This speaks extremely well of the quality of our faculty and their ability to produce meaningful research. Our National Institutes of Health funding was up 21 percent and USDA funding was up 114 percent.

### Record Year in Fundraising

Your generosity makes a lot of things possible. Over \$14 million in gifts set an all-time record for the college. Our intent is to have Phase I of the Veterinary Medical Center completed by the building dedication on October 18. We awarded \$450,000 in scholarships, a key factor in student recruiting, retention and success as indebtedness continues to climb.

### Big Progress in Facilities

People and services are moving into Phase I of the Dr. W. Eugene and Linda Lloyd Veterinary Medical Center (VMC). This is a huge step because of what it means near-term for our equine and large animal services and, equally important, what it enables us to do in Phase II to modernize and double the size of our small animal facilities. Overall, Phases I and II will provide the service, research and learning environments expected of a leading college of veterinary medicine. In addition, we are commissioning a renovated BSL3 lab in the Veterinary Diagnostic Laboratory and a new, free-standing modular BSL3 will be constructed this fall that will significantly increase research capabilities.

### In General

The AVMA Consortium for Clinical Competency and the Council on Education are focused on outcomes and competency assessment. We are well-positioned with our Office of Curricular and Student Assessment and student success coordinator position to help ensure student success here and in practice. We have enjoyed a successful legislative year, gaining support for the Veterinary Diagnostic Laboratory and planning for Phase II.

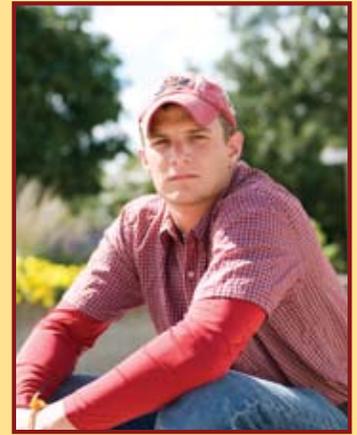
### A Challenging Future

The college is fortunate to be one of a handful of veterinary colleges that are growing. We are highly optimistic about the future and our plans for it, and equally realistic about the challenges ahead. Successfully funding and completing Phase II of the VMC is absolutely necessary. Adding value to the veterinary medical education is equally important. Our challenge is to continue to grow, improve our programs and keep costs under control.

Leaving a state inundated by floods to visit New Orleans for the AVMA conference, it was easy to reflect on how uncontrollable factors like weather can impact people and economies. The roles of the veterinarian have never been more important. Whether it's helping producers weather a stormy economy with better animal health or helping stabilize families by rescuing and caring for their pets, veterinarians remain trusted, active and talented leaders in their communities. We will be challenged to keep it that way.

I hope you will join us for the dedication of our new facility on October 18. In the meantime I want to assure you that your continuing direction and support are very much appreciated as we continue to bring our *Vision for the Future* to reality.

Dr. John U. Thomson, Dean  
College of Veterinary Medicine



Photo/Tracy Ann Raef

## ON THE COVER

Tyler Dohlman, third-year veterinary student. | See story on page 8

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# gentle Doctor

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# Q & A

AN INTERVIEW WITH DR. BONNIE HAY KRAUS,  
CLINICIAN, LLOYD VETERINARY MEDICAL  
CENTER, COLLEGE OF VETERINARY MEDICINE,  
IOWA STATE UNIVERSITY

## Q What is the role of the anesthesiologist during surgery?

The anesthesiologist monitors the patient's heart rate and rhythm, blood pressure, oxygen saturation (the level of anesthetic gases that they are inhaling and exhaling), and their carbon dioxide levels, which give the anesthesiologist an idea of how well the patient is ventilating.

Because the VMC is located at the College of Veterinary Medicine, teaching is a huge piece of my daily work. I supervise the students who are monitoring patients during surgery. I answer questions and help students prepare anesthetic protocols and help troubleshoot. I also help the students prepare pain management protocols for surgery and post-operation. There is a saying: There are no safe anesthetic agents; there are no safe anesthetic procedures; there are only safe anesthetists. One of our top priorities in the VMC's anesthesia section is creating safe anesthetists of our fourth-year veterinary students.

## Q How is anesthesia for small animals different from anesthesia for large animals?

There is a significant difference in the drugs that are used for small animals versus large animals. An anesthesiologist needs to be an expert in every species because of the wide range of differences in physiology among the species. An anesthesiologist needs to know how each anesthetic agent works in each species. So far, I've anesthetized a duck, seal, cows, horses, and every type of small animal since I came to Iowa State University.

## Q What are the qualities necessary to be a successful anesthesiologist?

You need to be calm and be able to think quickly and clearly under pressure and in emergency situations. There's a joke about anesthesiology that is actually very true: Anesthesia is 99 percent boredom and one percent sheer terror. A good anesthesiologist has to be able to handle the one percent.

## Q Is there a difference in the anesthesia protocol in emergency surgeries versus scheduled surgeries?

Yes, namely that the animals must be stabilized in an emergency before they can be anesthetized. Anesthesia alters and blunts the body's ability to compensate, so the more stable an animal is before surgery, the better they do during anesthesia.

Referring veterinarians can help by stabilizing patients or referring them sooner. For instance, in horses with colic, the horse's chances of survival are much higher when the decision to perform surgery is made earlier. We're already seeing a shift in client education and referring veterinarians who are making those decisions earlier in the treatment.

## Q What's the biggest evolution in the field of anesthesiology?

Pain management. Pain has become the fifth vital sign in human medicine. It is also one of the 'five freedoms of animal well-being'. Pain management in animals is similar to human pediatric pain management. We

can't ask our patients if they are in pain or where it hurts. We've learned, though, that when we alleviate pain, complications and mortality are lower. In veterinary medicine, we do not yet have reliable objective ways to assess pain in animals. Therefore, we often use physiologic parameters such as elevated heart rate and blood pressure, the animal's behavior, activity and response to manipulation. If we think the surgical procedure or medical condition would be painful to us, then we assume it's painful to the animals and treat with analgesics. Many clients are concerned about the pain their animals are experiencing; they are asking more about pain management and are willing to pay for and try new treatments.

## Q Why are you pursuing board-certification in anesthesiology, in addition to the board-certification in veterinary surgery that you earned in 1998?

After my equine surgery residency at Tufts University, the veterinary school had a need for a large animal anesthesia clinician. I did that for one year and found that I really enjoyed anesthesia and that prompted my decision to pursue an anesthesia residency and board-certification.

Anesthesiologists are the part of the veterinary health care team that clients don't see. The new techniques that we do in surgery are due, in part, to the advances that the profession has made in anesthesia, especially in large animal anesthesia. The injury that 2007 Kentucky Derby winner

Barbaro sustained in his race during the Preakness focused attention on what surgeons could do to treat him with the advances in anesthesia and in pain management. 

**Dr. Bonnie Hay Kraus** graduated from Cook College, Rutgers University in New Jersey. She received her veterinary degree from the University of Missouri, Columbia. After an equine internship at the New Jersey Equine Clinic, she completed two residencies (equine surgery and anesthesiology) at Tufts University School of Veterinary Medicine. She is board-certified in veterinary surgery and is board-qualified in veterinary anesthesiology. Previously, she was a clinical assistant professor at Tufts University. She has served as a consultant to several biomedical/pharmaceutical companies and was the Racing Commission Veterinarian at Foxboro Racetrack in Massachusetts. Dr. Hay Kraus has a special interest in pain management and is a member of the International Veterinary Academy of Pain Management.

# When Mother Nature Strikes

As the floodwaters rose in Cedar Rapids in mid-June, residents evacuated, leaving behind treasured belongings. For many, one of those treasured belongings was the family pet.

“When disaster strikes a community, its effects are far-reaching,” said Dr. Christine Petersen, who volunteered at the temporary animal shelter set up at Kirkwood Community College in Cedar Rapids. Dr. Petersen is an assistant professor in veterinary pathology at the Iowa State University College of Veterinary Medicine.

“Many residents who had to leave their homes left their pets temporarily at the Kirkwood shelter believing that they would soon be able to reclaim them,” Dr. Petersen said. “But when some of them returned, they found that their homes were uninhabitable. They had to surrender their pets because their personal situations were so uncertain and the pet-friendly housing in the area was already taken.”

As the floodwaters crested, veterinarians, technicians and students from Iowa State’s College of Veterinary Medicine rose to the call for help from Dr. Mark Shearer, veterinary response coordinator with the Center for Agriculture Security at Iowa’s Department of Homeland Security.

Working with other volunteers from Iowa, Minnesota, Missouri and Wisconsin, the teams from Iowa State’s College of Veterinary Medicine performed initial examinations on all animals, treating injuries, vaccinating for basic diseases and implanting microchips. Many of the animals had wounds and gastrointestinal upset. Caretakers at the Kirkwood shelter noted any abnormalities, and veterinary

volunteers did rounds and took care of health issues.

Onsite facilities were adapted to house populations of animals in the best way possible to reduce stress and prevent outbreaks of infectious disease. “The facilities at Kirkwood Community College were excellent and met our needs well,” said Dr. Claudia Baldwin, who also volunteered at the Cedar Rapids facility. Dr. Baldwin is an associate professor in veterinary clinical sciences and director of the Maddie’s® Shelter Medicine Teaching and Research Program at Iowa State.

The shelter housed three populations of animals: animals evacuated with their owners; animals from the Cedar Rapids animal shelter, which was moved off its foundation during the flood; and strays rescued after the flood.

“From the time of the flood, we processed close to 1,300 animals; our highest count on site was 996,” said Dr. Randy Ackman (ISU ’89), assistant professor of animal health technologies at Kirkwood Community College. “Our reclaim rate was close to 90 percent,” he said.

Most of the animals at the Kirkwood shelter were dogs and cats, but various pocket pets and exotics were also housed,

including Sam N. Ella, an iguana. “It was spring in Iowa, so we also took care of litters born in the shelter,” Dr. Petersen said. “The young, the old, we took care of them all.”

With the large number of animals processed through the Kirkwood shelter, volunteers to take care of them were critical. At last count, Dr. Ackman said, approximately 40,000 volunteer hours were logged. From the initial need for help in mid-June to mid-July when the temporary shelter shut down, 68 veterinarians from Iowa State, the University of Minnesota, and the University of Wisconsin, as well as from the states of Iowa, Illinois, Nebraska and Colorado came to the site as volunteers. “We got a lot of assistance from the Linn County Veterinary Association and, of course, Kirkwood Community College through donations of money, volunteers and space,” Dr. Ackman said. Sixty-five veterinary technicians and assistants volunteered at the shelter, as well as veterinary students from Iowa State and the University of Minnesota. The Humane Society of the United States, United Animal Nations, and Missouri Humane Society were key to the success of the operation, Dr. Ackman said.

For veterinary students, the flood disaster was a learning experience and an



**Kristin Obbink, VM2, provides care to a shepherd-mix dog with a sloughed toenail found in the flood area around Cedar Rapids.**



Magda Rosol (left), VM3, and Summer Scholar student Clara Quevedo, from Guatemala, examine a fox terrier at the temporary animal shelter at Kirkwood Community College in Cedar Rapids during the 2008 Iowa floods. Dr. Christine Petersen (background) finishes some paperwork.

that were housed at the Kirkwood facilities.

However, the dogs and cats taken into the emergency shelter received first-rate care from veterinarians, technicians and students from all over the country, as well as therapeutic play time and walks with community volunteers.”

“I’m proud of the students and technicians who stepped up to volunteer,” Dr. Petersen said. “Many of them didn’t know what an emergency shelter would look like or what would happen. Now they know.”

In addition to helping at the Cedar Rapids shelter, one second-year and one third-year veterinary student working as Maddie’s Shelter Medicine Summer Scholars spent two days at the emergency shelter in Iowa City. They worked primarily with the cats and introduced ISU shelter medicine protocols for treatment of respiratory disease, which is a common medical problem in high-density populations.

Besides the volunteers helping at the shelters, countless people donated supplies. The Iowa Veterinary Medical Association solicited donations from the Iowa veterinary community and served as an information resource for volunteers. “The IVMA does a fantastic job of keeping its members informed in these situations,” Dr. Petersen said. “Usually during a disaster response, there’s a lot of information, and it’s changing all the time. “The Iowa VMA did a great job of providing information to those who wanted to help.”

opportunity to help the community. Jessica Evoniuk and eight others spent a weekend volunteering at the shelter. She and the others had watched as past disasters hit, wishing that there were more they could do. “When the floods hit Iowa, it was a chance to do our part to help those in need,” said Jessica, a third-year veterinary student at Iowa State who is interested in working in a mixed animal practice when she graduates. “We chose this profession to help people and their animals. To see the number of volunteers and their generosity and the organization of the disaster response was phenomenal.” An unexpected benefit, said Jessica, was the opportunity to work with and learn from veterinary students she didn’t know well, before that weekend.

Jason Thornton, a fourth-year veterinary student at Iowa State, worked at the shelter during his open rotation block. “As a native of Cedar Rapids, I felt a special obligation to use my veterinary knowledge and skills to benefit my hometown in a time of need,” Jason said. “When I first arrived, I was amazed by the huge number of animals

In addition to those mentioned in the article, thank you to the following companies and organizations whose donations helped the victims of the 2008 Iowa floods.

- American Kennel Club**
- Fort Dodge Animal Health**
- Hill’s Pet Nutrition**
- HomeAgain**
- Humane Society of the United States**
- Maddie’s Fund®**
- Merial Limited**
- Missouri Humane Society**
- Pfizer Animal Health**
- Nestle Purina Pet Care Company**
- Intervet/Schering-Plough Animal Health**
- United Animal Nations**

For Dr. Petersen, who has a PhD degree in immunology and infectious diseases from Harvard University’s School of Public Health, the role of disaster volunteer isn’t new. She used her skills and training in New Orleans after Hurricane Katrina.

“My family would joke that the reason I volunteer is because I’m a preacher’s kid,” Dr. Petersen said. “But, I can’t think of not volunteering, whether the impacted animals are in a shelter or livestock operation.”

“The profession’s response to the flood was a great collaborative effort among our college, government and non-government agencies including the IVMA,” Dr. Petersen said.

“I was pleased with the generosity of companies and organizations,” Dr. Baldwin said. “I had companies contacting me to ask how they could help. When other needs came up, we just had to ask and we received.”



For most, the road to becoming a veterinarian is not a smooth ride. For Tyler Dohlman, the road was full of potholes and sharp curves that could have derailed or broke him, but they didn't.

Raised on a crop farm in Riceville, Iowa, Tyler grew up with traditional Midwest values. It was those early roots and values and a father who was an agriculturalist that fostered Tyler's desire to become a large animal veterinarian. Little did he know how often his will to become a veterinarian would be tested.

At age 7, Tyler lost his foot in an auger accident. It was his father who pulled him out and got him the help that saved his life. "When I lost my foot, my dad told me that it will set me back, but I shouldn't let it be an excuse for everything," Tyler said. Losing a foot at 7 was tough, but Tyler wasn't going to let it stop him. "My classmates were all going outside for recess and I wasn't going to stay inside."

# the road less traveled

Early losses help shape future veterinarian

Tyler played football, at first balancing on his knees to be quarterback. A year later he got a prosthetic. He went on to compete on his high school's football and wrestling teams. He credits a lot of his grit and determination to growing up in a small town. "Everyone knew me and our family got great support. Veterinary school is a lot like a small town. There's lots of support from my classmates."

When Tyler's dad died in a grain bin accident when he was 12, there was a lot of support from the town. "Losing my dad was tough," Tyler said. "My dad was the biggest influence on me. He worked hard to provide for us."

It was his dad's accident that prompted Tyler and his brother Jackson to get involved in farm safety days. At his mother's urging, they spoke at the Howard County 4-H Farm Safety Day. For 10 years, he has continued to present safety talks to 4-H and FFA groups. His involvement in 4-H stimulated his interest in animal agriculture. Tyler was also president of his local Future Farmers of American chapter. "If it weren't for those outlets and the advisers who led those groups, I wouldn't be the person I am today."

The interest and desire were there, but finances were another hurdle on Tyler's road to veterinary school. Tyler worked during high school to earn money for his undergraduate education. He also received 4-H scholarships. "I knew that if I could get into veterinary school after two years of undergraduate coursework, it would save me money." So Tyler took full course loads to get his preveterinary requirements done.

In addition to a full course load, Tyler was the long snapper on the Iowa State University's football team, helping to finance his tuition and fees. "I was 5' 10" and 180 pounds, so I got beat up every day. I realized after a year that I wasn't going to the NFL, so I might want to focus totally on getting into veterinary school."

While Tyler was in high school, he met Dr. Don Draper, Distinguished Professor and holder of the Trask Entrepreneurial Professorship, during a visit to the College of Veterinary Medicine. "I talked to him once a semester. He told me stories about veterinary medicine and Iowa veterinarians. Talking to him kept me on track. He was a great help."

During the summer between his freshman and sophomore year at Iowa State University, Tyler contacted the Hudson (Iowa) Veterinary Clinic about shadowing the veterinarians. "Tyler spent the summer shadowing me and Dr. Brian Hargens ('78)," said Dr. Phil Edler ('72). "He is an extremely motivated young man. He makes up his mind that he is going to do something and he does it."

“My dad was the biggest influence on me.”

Dr. Edler learned a lot about Tyler as they went on farm calls. During those visits, Dr. Edler says Tyler always strived to learn something more and he wanted to be right there when you were doing things. "He'd always want to see the post-mortems so he could better understand what was going on. He'll be a great addition to the veterinary profession."

Although Dr. Edler has not seen Tyler for a while, Tyler recently borrowed an ultrasound from the clinic so he could practice sexing calf embryos. "When I got back to the clinic on Monday, Tyler had returned the ultrasound and had cleaned it up. It was cleaner than when he borrowed it. That's just the sort of person he is."

Tyler got into veterinary school after two years of undergraduate work, and is now a third-year veterinary student. Since entering veterinary school, he has excelled academically and is a leader in many student organizations, having served on the executive committees of the student

chapters of the American Association of Bovine Practitioners and the American Association of Equine Practitioners. This past year, he has been on the Swine Diagnostic Team and a teaching assistant in the anatomy laboratories.

"I have been working with Tyler as part of the Swine Diagnostic Team," said Dr. Alex Ramirez, assistant professor of food supply veterinary medicine. "Tyler took charge of his duties right away and has been a great asset to the group. It was not long before I recognized his dedication, hard work ethic, and desire to make things happen. I was not aware of his background and the adversity he had faced, but I guess that is Tyler, not looking for sympathy but rather just moving ahead. There is no doubt Tyler will be a great veterinarian, as he is already a great person."

To offset his educational expenses, Tyler has worked several jobs. This summer, he worked in the equine barn at the Lloyd Veterinary Medical Center and at Prairie Meadows Race Track. Recently, Tyler was the recipient of the Washington Family Horatio Alger Scholarship of Excellence Grant. Tyler will receive up to \$20,000 during his final two years of veterinary school.

"I'm so grateful to the people who provide educational scholarships. I wouldn't have been able to finance my education without them. I still want to work hard, though, that's how I was raised. When I am out of school and financially able, I want to establish a scholarship for students, too. A lot of people helped me along the way, and it's in my character to give back."

Tyler plans to practice large animal medicine in the Midwest when he graduates in 2010. 

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*Photo, opposite page: Tyler Dohlman, VM3, helps Lauren Huisman, of Katy, Texas, find a good spot to hear the lamb's heart beat during Vet Camp at the 2008 Iowa State Fair. Lauren's sister, Stephanie looks on.*

*Photo/Tracy Ann Raef*



## Treating gastric dilatation and volvulus



**R**iley, a six-year-old Great Dane, is lethargic, bloated and retching. He ate an hour ago and now he's lying on the floor. His owner is worried, and takes Riley to a nearby veterinary hospital. The diagnosis: gastric dilatation and volvulus (GDV).

Third-year veterinary surgery resident, Dr. Mauricio Dujowich, says GDV is a medical and surgical emergency. "Once the stomach twists and the dog goes into shock, it's a race against time," Dr. Dujowich said. "If untreated, a dog can die within a few hours. Even with treatment, there's a 20 to 25 percent mortality rate."

At Iowa State University's Dr. W. Eugene and Linda Lloyd Veterinary Medical Center, Dr. Dujowich has seen many cases of GDV. Large and giant breed dogs with deep chests, such as Mastiffs, German shepherds, and rottweilers, are most susceptible to GDV, says Dr. Dujowich. "Research has shown, though, that the Great Dane has the greatest risk with a 36 or 37 percent likelihood of a GDV episode," Dr. Dujowich said.

There doesn't appear to be any single or particular behavior that leads to GDV. It's generally a combination of events that sets the stage. "Eating or drinking too fast or exercising directly after a meal may cause a dog to swallow a lot of air, predisposing it to GDV," Dr. Dujowich said. "No one knows for certain how it happens, but the stomach rotates on itself and twists, and gas builds up, causing the stomach to distend and bloat." When that happens, says Dr. Dujowich, "GDV has a domino effect on the system and things can deteriorate quickly." The expanding stomach can compress the

major blood vessels so blood can't get back to the heart, causing the dog to go into shock. The bloated stomach also affects blood vessels that go to the spleen. The compression of the stomach's blood vessels can also lead to sections of the stomach dying. "The more time that elapses before treatment, the longer the stomach goes without oxygen and the harder the heart is pumping," Dr. Dujowich said. "The faster we can get things under control, the better the chances that we'll have a good outcome."

"The immediate concern when a dog presents with a GDV is getting the patient stabilized, treating for shock, and releasing the gas that has built up in the stomach," Dr. Dujowich said. "Among other things, the veterinarian can insert a needle or catheter into the abdominal wall, allowing the gas and fluid to escape. Because the dog is breathing hard and swallowing a lot, the gas and pressure will build up again and continuous release may be necessary. But the release doesn't help the twisted stomach," Dr. Dujowich said. For that, surgery is necessary.

"During the surgery we flip the stomach over to its normal position, and perform a gastropexy by suturing the stomach to the abdominal wall to hold it in place," Dr. Dujowich said. "That prevents the stomach from rotating again. A dog can still have another GDV despite having this procedure done, but the likelihood of that goes from a 50 percent chance if we just rotate the stomach back to a normal position to a two to four percent chance if we suture the stomach down to the body wall. Because some breeds, such as the Great Dane, have a much higher

chance of developing GDV, we are actively doing these gastropexy procedures before the dogs develop a GDV.

"In puppies, a prophylactic gastropexy can be done when the dog is spayed or neutered at about six months of age," Dr. Dujowich said. "The success rate is at least 96 percent. The cost is around \$700, compared to \$3,000 to \$4,000 for emergency surgery. That aside, it's a tough decision for an owner to make because a large incision is required, and it's always difficult to predict whether the dog would have had a GDV episode without the prophylactic gastropexy."

At the Lloyd Veterinary Medical Center, Dr. Dujowich has used laparoscopic and endoscopic techniques to perform minimally invasive gastropexies. Dr. Dujowich has taken the procedure to another level by inserting an endoscope, which is a miniature camera, into the stomach by passing it through the dog's mouth. "Once we see the area that we like, we use two sutures to pull the stomach against the abdominal wall and make an incision between the two sutures." The procedure can take 20 to 30 minutes, cutting down on the amount of anesthesia used. Because it's a minimally invasive surgery, there's less chance of infection, less pain, shorter recovery, and decreased morbidity.

"GDV is one of those conditions that if nothing is done, the dog will die. As a surgeon, I like to fix things, and it's a very gratifying feeling when we save a family's dog."

That's why I became a veterinary surgeon. But, I'd much rather not see a dog in this condition."

Dr. Dujowich's research on prophylactic gastropexies and endoscopic surgeries is one way he hopes to reduce the number of emergency gastropexies. 

"I want something that will give me gray hair."

*Dr. Dujowich received his DVM degree from the University of California, Davis. He then completed a rotating internship at Veterinary Specialty Hospital in San Diego, California, followed by a surgical internship at Alameda East Veterinary Hospital in Denver, Colorado. Uncertain about private practice or academia after his residency, Dr. Dujowich is certain that he wants a career that will offer lots of learning. "I want something that will give me gray hair."*



For more information, there's a published article "Evaluation of an endoscopically assisted gastropexy technique in dogs" in the *American Journal of Veterinary Research*, Vol. 69, No. 4, April 2008, pp. 537-541, authored by Mauricio Dujowich, DVM, and S. Brent Reimer, DVM.

# 2008 GRADUATION



Dr. W. Eugene Lloyd

On Saturday, May 10, the College of Veterinary Medicine at Iowa State University graduated 106 new Doctors of Veterinary Medicine. The 2008 commencement speaker was Dr. W. Eugene Lloyd ('49), chairman and CEO of Lloyd, Inc. The ceremonial hooding and awarding of diplomas was led by Dr. John U. Thomson, dean of the college.

Dr. Charles Lemme ('75), president of the Iowa Veterinary Medical Association, administered the Veterinarian's Oath to the graduates. The recitation of the oath is a time-honored practice to remind the newly conferred veterinarians of their obligations. Veterinary students who graduated with distinction were recognized, as follows:

Molly Burns, Magna Cum Laude  
Jeffery Heitmann, Cum Laude  
Elizabeth Holland, Summa Cum Laude  
Mandy Hoyt, Cum Laude  
Helen Hughes, Cum Laude  
Erin Kramer, Cum Laude  
Amanda Kreuder, Summa Cum Laude  
Adam Lancaster, Cum Laude  
Terri Lechtenberg, Magna Cum Laude  
Julianna Peterson, Magna Cum Laude  
Melissa Sullivan, Cum Laude  
Paul Sylliaasen, Cum Laude  
Meredith Tegay, Cum Laude  
Brian Vander Ley, Magna Cum Laude  
Brent Volker, Cum Laude  
Wendi Walsh, Cum Laude  
David Wilson, Summa Cum Laude\*  
(\*Class valedictorian)



**Cum Laude – 3.5 to 3.69 GPA**  
**Magna Cum Laude – 3.7 to 3.89**  
**Summa Cum Laude – 3.9 to 4.0**



Dr. Charles Lemme

Photos/Jolesch Photography

# A Sneak Preview



*The floor isn't finished yet, but this is the equine receiving area.*

# Hi!

My name is Howie. I live at the Lloyd Veterinary Medical Center and I'm the horse-in-residence. From the window in my stall, I've been watching the construction project for two years, from the big hole in the ground to the almost-finished building. Wow ... it's been fun to watch!



Photo/Tracy Ann Raef

*This is the main hallway that connects the new addition to the existing Veterinary Medical Center. The stairwell at the end of the hall leads to the faculty offices and conference rooms upstairs.*

# Howie

Mrs. Jacki Sweeney of Mount Horeb, Wisc., donated a three-year old Morgan gelding to the college in 2006. Mrs. Sweeney is the wife of Dr. Bill Sweeney, a 1967 graduate of the college. The horse's call name is "Howie." His registered name is "HyLee's HowAboutthat?"

I'm going to give you a sneak preview of the new building, but don't tell anyone. My tour won't show everything and please be aware that it's not quite finished yet. You'll have to come to the October 18 building dedication or October 25 Homecoming to see the whole building. I don't have much time before they notice I'm missing from my stall, so let's get trotting!



Whew, no one forgot about the cattle! On the left is the bovine ward and on the right is bovine surgery (you'll have to visit us to see that area).

This is the bovine examination and treatment room. The tilt table will be added soon.

Now we're at the equine stalls where I'll be housed with hospital patients. The gates haven't been installed yet. Maybe they'll forget to put them on!



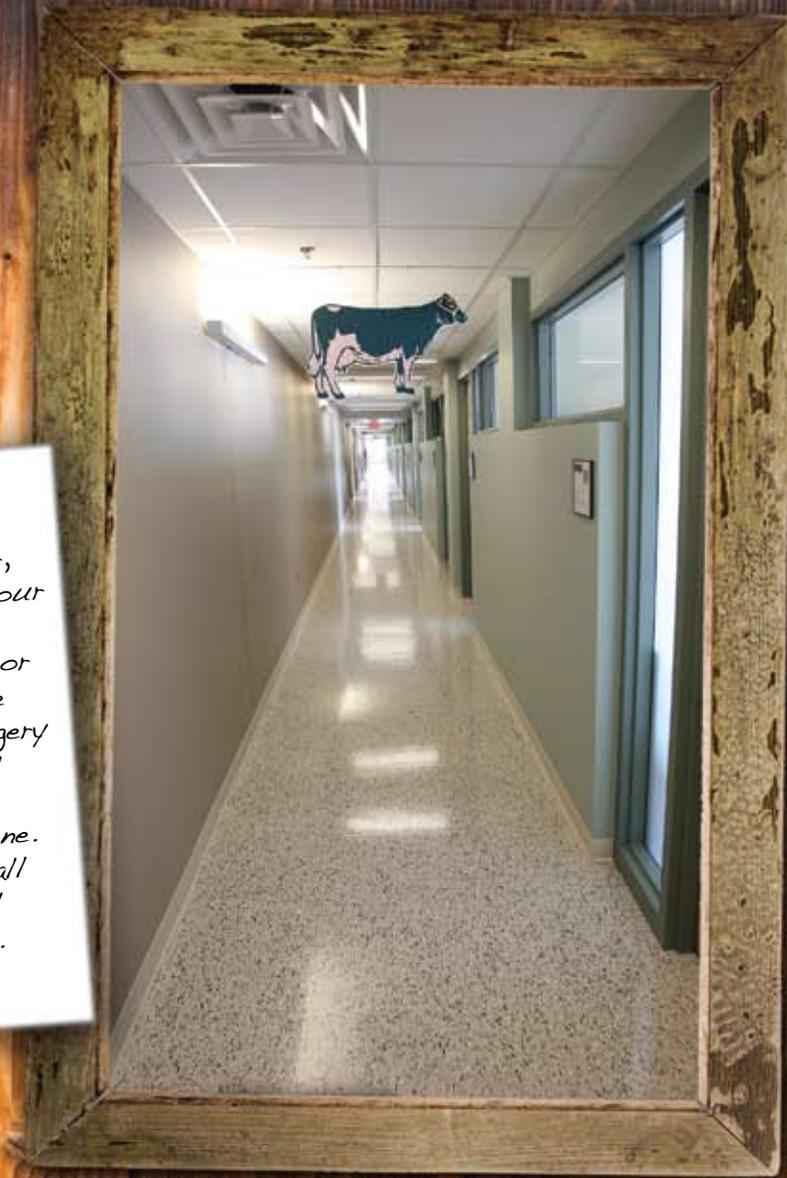


Isn't this area nice? It's our equine Intensive Care Unit. Inside the glass room is the nurses' station where our veterinarians, veterinary technicians and students will keep a watchful eye on sick horses.



Here's an equine surgery room.

Let's go upstairs. I'm going to take the elevator, please join me. Fifty of our faculty will have office space on the second floor of the new addition. The equine medicine and surgery faculty will be here and the faculty from food supply veterinary medicine. Also, some of our small animal veterinarians will have office space here.



This is a typical office.





*This is the bovine unloading tub. Swing gates will be hung in the middle and the wall panels will be installed soon after.*



*This is an outside view of the building from the VMC parking lot.*

That was quite a tour, wasn't it? I didn't show you the advanced imaging area that houses the MRI, the isolation area, the large animal reception area, or the nuclear medicine area. For that, you need to come to the VMC in person!

Hope to see you soon!

*Howie*



Building photos/Gary Clarke

# lessons learned

Second-year veterinary student learns valuable life skills in the rodeo arena

“Veterinary medicine is a people job,” said Amanda Eason, second-year veterinary student. “You have to know how to deal with people and be able to relate to them to be successful.”

During her past year as 2007 Miss Rodeo Iowa, Amanda traveled throughout Iowa and the United States teaching people about the rodeo industry and animal agriculture. “I enjoyed meeting many wonderful people throughout the state and, in the meantime, learned how to refine my speaking skills,” Amanda said. People who attend rodeos come from all walks of life, says Amanda, and learning to relate to different personalities will be an invaluable skill when she enters veterinary practice in three years.

As Miss Rodeo Iowa, Amanda served as the official spokesperson for Iowa’s professional rodeos, educating the public about the sport and its opportunities. She made appearances in parades, rodeos, schools, nursing homes, and with local and state dignitaries. While at the rodeos, Amanda assisted the committees with publicity and advertising and then helped the stock contractors by carrying flags and chasing cattle out of the arena.

Although most of her appearances were in Iowa, Amanda also made appearances at the Cheyenne (Wyo.) Frontier Days and Dodge National Circuit Finals Rodeo in Pocatello, Idaho, as well as other rodeos in South Dakota, Florida, Kentucky, and Texas. “The difference between a rodeo contestant and a rodeo queen is the same as the difference between a physician and a veterinarian. Contestants know a lot about their event, like physicians focus on humans. However, just as veterinarians know about all different species, queens are up-to-date on all of the rodeo events, performance times, rodeo history, stock welfare, and other subject matters involving the sport.”

Amanda, a self-described “tomboy,” says she was the least likely person to enter a pageant and win. However, she enjoyed riding horses and liked to talk to people, so she entered the Miss Rodeo Iowa pageant and to her surprise, she won. She completed her reign



Photo/Gary Clarke

December 31, 2007, just as she finished her first semester in veterinary school at Iowa State University. Before she passed on her crown, she placed in the top 10 in the Miss Rodeo America Pageant held in December 2007, in conjunction with the Wrangler National Finals Rodeo.

During her travels, Amanda was surprised to learn how small the world can be. “At the Miss Rodeo America competition, one of the judges sat on the admissions board for the veterinary school at Texas A&M University, so he was impressed that I had a full year of traveling as Miss Rodeo Iowa while managing to keep my spot in the class of 2011.” Amanda said that it would have been a memorable experience to be Miss Rodeo America and travel for another year, but she felt very fortunate to be in veterinary school and wanted to focus on her future career. “During the ten-day contest in Las Vegas, all I could think about was that I had to take finals as soon as I got back to Ames.”

Raised on a small acreage in Clarinda, Iowa, with horses, dogs, and cats, Amanda received her bachelor’s degree

from Iowa State in animal science. She is interested in large animal medicine, with an emphasis in equine practice. She credits her interest in food animal medicine to the wonderful professors in the animal science department and her great experience working on the university dairy farm for three years. This past summer Amanda worked in the equine hospital at the college’s Veterinary Medical Center, assisting the clinicians and fourth-year students. “It was a great summer experience because I got to be part of many interesting cases and procedures. The job got me fired up for all of the things we will learn in the next three years.”

Besides finishing in the top 10 at the Miss Rodeo America contest, Amanda was the recipient of the Central Regional Scholarship Award and the Raeana Wadhams “Spirit Award,” which recognizes the contestant with particular focus, goals, and drive. You can visit her blog at <http://missrodeiowa.blogspot.com> to find out more about the Miss Rodeo Iowa organization.

# From the Development Director's Chair

## Record-Setting Development Team

### First row:

Shane Jacobson and  
Kris Walker;

### Second row:

Jeff Spielman



Photo/Tracy Ann Raef

**T**his past year has truly been a transformational year for the College of Veterinary Medicine. We have several exciting messages to share as we reflect on the past year and look toward what is shaping-up to be a memorable fall season here at Iowa State and the College of Veterinary Medicine.

First, I am extremely pleased to announce final fundraising results for the recently completed fiscal year. Thanks to the extraordinary generosity of more than 53,000 benefactors, the Iowa State University Foundation received a record-shattering \$135.4 million in gifts and commitments between July 1, 2007, and June 30, 2008.

Second, specific to the College of Veterinary Medicine, we raised \$14,083,800 — the best fundraising year in the history of the college. Every gift counts — we had over 2,000

gifts, ranging between \$50 and \$250 dollars. Thank you for playing such an important role in this campaign!

Third, the Lloyd Veterinary Medical Center dedication weekend will be October 18. The dedication will begin two hours before kick-off time of the ISU vs. Nebraska football game. I hope all of you can join us for this great occasion and completion of Phase I.

Fourth, we successfully achieved the conditions set forth by the Kresge challenge grant and raised more than \$4.57 million in cash gifts and pledges during fiscal year 2008 and will receive the \$1 million cash award this year.

Fifth, with legislative approval of Phase II planning money, we are looking forward to modernizing and expanding our small animal facilities and all the opportunities this important next step brings to the college.

Finally, I'd like to introduce Kris Walker as our newest staff member. Her first three weeks have proven that she's an outstanding addition to the college. Please join me in welcoming Kris to the team!

I think you can see the momentum is racing forward and we have many things to do to complete the renovations and upgrades to our valued history. Thank you for your continued efforts to support the College of Veterinary Medicine. 

Best regards,

Jeff Spielman

## VETERINARY STUDENTS RECEIVE LEGACY SCHOLARSHIPS



Photo/National Cattlemen's Foundation

From left: Bob Josserand, chairman of the National Cattlemen's Foundation, and Dan Ellsworth, Fort Dodge Animal Health, with Jessica Evoniuk ('10) after receiving the Fort Dodge Animal Health/National Cattlemen's Foundation Legacy Scholarship at the Cattle Industry Summer Conference in Denver, Colo.



Photo/National Cattlemen's Foundation

Dan Ellsworth (left), Fort Dodge Animal Health, and Dr. John Schnackel (right) with Maggie Hoenig ('10) after receiving the Fort Dodge Animal Health/National Cattlemen's Foundation Legacy Scholarship at the Cattle Industry Summer Conference in Denver, Colo.

The National Cattlemen's Foundation and Fort Dodge Animal Health announced the recipients of its Legacy Scholarships during the Cattle Industry Summer Conference held in Denver, Colo. Two of the three DVM scholarships were awarded to Iowa State University students Jessica Evoniuk, South Heart, N.D., and Maggie Hoenig, Donnellson, Iowa. Both students will graduate from Iowa State's College of Veterinary Medicine in 2010.

"When you consider that there were well over 100 applications for this scholarship program, it is quite remarkable that two of the three award winners came from the ISU College of Veterinary Medicine," said Dr. Terry Engelken, associate professor of food supply veterinary medicine. "This is a real tribute not only to the abilities and accomplishments of these two students, but also to the quality of our students here at Iowa State."

Each student received a scholarship of \$5,000. The Legacy Scholarships were established to recognize the importance of and demand for bovine veterinarians, and given to individuals who demonstrate a commitment to the cattle industry.

## IOWA STATE UNIVERSITY COLLEGE OF VETERINARY MEDICINE LEADS INITIATIVE IN SHELTER MEDICINE

Drs. Claudia Baldwin, associate professor in the Department of Veterinary Clinical Sciences, and Christine Petersen, assistant professor of veterinary pathology, in collaboration with the Maddie's Fund and the college's Center for Food Security and Public Health, have published a book for animal shelters titled *Maddie's® Infection Control Manual for Animal Shelters*. This is the first manual of its kind focused on populations of animals housed in shelters. The goal is to keep animals healthy until they are reunited with their families or are adopted. Control of infectious diseases is a challenge for caregivers at animal shelters. The manual includes an introduction to infection control, principles of infection control, disinfection, and development of infectious disease policies and protocols. Also included is a section on infection control training and educational tools.

Information about this manual is available at

[http://www.cfsph.iastate.edu/Maddies\\_Textbook/default.htm](http://www.cfsph.iastate.edu/Maddies_Textbook/default.htm)



## IOWA STATE UNIVERSITY NAMES RESEARCHER TO NEWLY ESTABLISHED ENDOWED CHAIR

A veterinarian, researcher, scientist and entrepreneur is the new W. Eugene Lloyd Chair at Iowa State's College of Veterinary Medicine.

Dr. Peter Nara is currently co-founder, president and CEO of Biological Mimetics, Inc., a Maryland-based company that commercializes pharmaceutical products. Dr. Nara is also a former section chief of the Vaccine Resistant Diseases section at the National Cancer Institute, U.S. National Institutes of Health, in Washington, D.C.

The new endowed chair position was created to attract and build nationally recognized academic research and generate commercial opportunities, particularly in Iowa. It is supported through a gift from Dr. W. Eugene Lloyd and funding from the State of Iowa that became available after the Battelle Commission Report study recommended strategies for developing Iowa's industries in bioscience, information technology and advanced manufacturing.

In his new position, Dr. Nara will continue his research in host defense, immunology, infectious diseases, virology and vaccine design. As Dr. Nara's research in vaccines progresses, he plans to commercialize his work through a new company at the ISU Research Park.

Although he wasn't looking for a new job, when he was recruited for the position, Dr. Nara says it is a perfect fit. "I couldn't walk away from this," said Dr. Nara. "I think there will be some really exciting discoveries here for many years.

"Being located in Ames is perfect, because this is a real center for animal health," he added.

Dr. Nara is also establishing a new learning, educational and research center called the Center for Advanced Host Defense Immunobiotics and Translational Comparative Medicine.

## ANIMAL WELFARE EXPERT JOINS VETERINARY MEDICINE FACULTY

In its continuing commitment to a science-based approach to animal welfare, the College of Veterinary Medicine at Iowa State University recently hired Suzanne Millman, PhD, an animal welfare specialist.

At Iowa State, Dr. Millman will provide continuing education to food animal practitioners to support their efforts in responding to animal welfare issues. She will also be a resource to livestock and poultry industries for educational materials that support best practices in animal well-being. Additionally, Dr. Millman will conduct research related to animal welfare in animal production systems and train food animal students in animal welfare.

Dr. Millman has a PhD in applied ethology and BSc in animal and poultry science from the University of Guelph, Canada. Previously, she was an associate professor in the Department of Population Medicine at the Ontario Veterinary College, in Guelph, Canada.

"An important part of what Dr. Millman will be doing at Iowa State is preparing veterinary students, veterinarians, and producers to better understand and respond to social and political opposition to current and future animal agricultural practices," said Dr. Patrick Halbur, chair of the Department of Veterinary Diagnostic and Production Animal Medicine at Iowa State University. "Dr. Millman's broad knowledge of welfare across several production animal species and systems will make her a highly sought after resource within and outside the College of Veterinary Medicine. Her research on assessment of the welfare of compromised animals and management of pain in food animals is highly relevant to the industry and of ever increasing interest to the consumer."

"I have always been interested in animal behavior and trying to understand how animals view their world, so animal welfare was a natural fit," Dr. Millman said. "I am very excited to begin working on animal welfare here in Iowa, since this is the heartland of animal agriculture and there are many opportunities to help producers stay at the forefront of this issue. I have a broad range of experience, having lived in the United States, Canada and Europe, working with cattle, swine, small ruminants, poultry and performance horses, and so I am able to come at the issues from a variety of perspectives. Animal welfare requires an interdisciplinary team, so adding animal behavior to the Iowa State veterinary and biomedical disciplines allows us to truly have a 'whole animal' scientific approach."

Since arriving at Iowa State, Dr. Millman has been visiting swine, egg, and cattle operations and talking to producers to know more about Iowa's animal production industries. She is a contributor to a scientific review of euthanasia methods currently being developed by the American Association of Swine Veterinarians. Dr. Millman is a member of the animal welfare committees of the Iowa Pork Producers Association, the Iowa Veterinary Medical Association and the newly formed Iowa Farm Animal Emergency Response Task Force. 



Photo/Gary Clarke

Dr. Suzanne Millman, associate professor in veterinary diagnostic and production animal medicine and biomedical sciences.

# Alumni NEWS



Photo/Arizona VMA

## CLARK NAMED ARIZONA VETERINARIAN OF THE YEAR

The Arizona Veterinarian of the Year award is presented to a veterinarian who has served the association, the profession and the community for over 25 years. The 2008 award went to Dr. John Clark ('58).

Dr. Clark has been a practitioner in Arizona since he graduated from Iowa State 50 years ago.

Over the years he has opened four successful practices. During that time, he was also the moving force to provide emergency veterinary services to animal owners in Arizona. In 1986, he was elected to the Board for Emergency Animal Hospitals of Phoenix. He has held officer positions with EAH over the years, and has been president of the board since 1995.

As an officer of the EAH, his emphasis was the fiscal management of the EAH, updat-

ing equipment with new technologies and improving community public relations with area veterinarians. He spearheaded a drive to get the EAH on better financial footing. As a testament to the success of these efforts, two additional clinics were opened—one in Mesa, and one in Peoria to go along with the Phoenix and Scottsdale locations.

Dr. Clark is the former mayor of Potato Patch, Ariz., and has been a member of the Paradise Valley school board.

Dr. Clark volunteers his time on the Arizona VMA's Academy Committee that plans continuing education programs for veterinarians. He is a member of the Arizona VMA, the American Veterinary Medical Association and the American Animal Hospital Association.

From left, Drs. Wayne Anderson, immediate past president of the Arizona VMA; John Clark, 2008 Arizona Veterinarian of the Year; and Brian Serbin, president of the Arizona VMA.

## Reminder

Last 2008 Events!

**Saturday, October 18, 2008**

**Building Dedication – Dr. W. Eugene and Linda Lloyd  
Veterinary Medical Center**

Two hours prior to kick-off of the ISU/Nebraska game

**Saturday, October 25, 2008**

**Homecoming BBQ**

11:00 a.m. at the College of Veterinary Medicine

# SIBBEL RECEIVES NIAA'S MERITORIOUS SERVICE AWARD

Dr. Rick Sibbel ('79), Director of Technical Services, Global Ruminant, Intervet/Schering-Plough Animal Health, received the National Institute for Animal Agriculture's Meritorious Service Award at the organization's annual meeting on Tuesday, April 1, in Indianapolis, Ind. The NIAA Meritorious Service Award is given in recognition of leadership, dedication and contributions to the organization and animal agriculture.

"Dr. Sibbel provided incredible leadership to NIAA at a time when it was most needed," stated 2008 NIAA chairman-elect Dr. Leonard Bull, who presented the award. "He is adept at leading people and organizations and has given a tremendous amount of himself and his talent to animal agriculture."

NIAA's membership includes national and state livestock, poultry and equine organizations as well as veterinarians, government regulatory personnel, academia, researchers, extension specialists, producers and allied industry businesses and organizations. The organization represents and unites the beef, dairy, swine, sheep, goat, equine and poultry industries for the advancement of animal agriculture.

Dr. Bull noted that Dr. Sibbel played a key role in the development and launch of the first genetically engineered pseudorabies vaccine, the first influenza vaccine for swine and the first viral-vectored vaccine for poultry. He is a past president of the American Association of Swine Veterinarians and a past and current member of various American Veterinary Medical As-

sociation committees. In addition, Dr. Sibbel has published several papers on vaccine trials, vaccine usage and disease eradication and continues to lecture on issues pertinent to the food animal industry, most recently on issues involving the national animal identification in the United States.

In his role with Intervet/Schering-Plough Animal Health, Dr. Sibbel has responsibility for six veterinarians in the U.S. cattle business and indirect responsibility for ruminant veterinarians functioning in businesses around the globe.

Dr. Sibbel has served as chairman of the swine health committee, chair and vice chair of the NIAA board of directors and chairman of NIAA's long-range planning committee. 

## In Memoriam

*The Iowa State University College of Veterinary Medicine wishes to express its sympathy and condolences to the families and friends of the following alumni.*

### 1930s

Everett T. Anderson ('37)  
Clarkdale, Ariz., died Jan. 26, 2004

Robert J. Miller ('38)  
Spirit Lake, Iowa, died May 30, 2008

### 1940s

Robert L. Campbell ('41)  
Brookfield, Mo., died Feb. 22, 2008

James E. Lovell ('46)  
Springfield, Mo., died July 4, 2008

Virgil M. Reinhart ('44)  
Walford, Iowa, died Oct. 1, 2007

John G. Salsbury ('40)  
Bozeman, Mont., died July 21, 2008

Philip E. Smith ('43)  
Fayetteville, Ark., died July 6, 2008

Fred Wertman ('40)  
Johnston, Iowa, died May 19, 2008

### 1950s

Howard E. Bayles ('54)  
Homewood, Ill., died Apr. 30, 2007

Clarence H. Y. Ching ('55)  
Honolulu, Hawaii, died Dec. 30, 2007

Richard E. Cooper ('56)  
Centerville, Iowa, died July 12, 2008

D. O. Faulkner ('53)  
Ankeny, Iowa, died Apr. 19, 2008

James D. Francis ('54)  
Ottumwa, Iowa, died Dec. 25, 2007

Halsteat Holst ('57)  
Augusta, Ill., died Apr. 14, 2008

Norris J. Hyde ('54)  
Ola, Idaho, died Nov. 9, 2007

Craig L. Larson ('58)  
Twin Falls, Idaho, died Jan. 30, 2007

Edwin W. Lindquist, Jr. ('59)  
Spring Valley, Calif., died Dec. 27, 2007

Paul O. Nees ('55)  
Roscoe, Mont., died Mar. 9, 2007

Dewayne V. O'Connell ('53)  
Sanford, Fla., died May 9, 2007

Ralph W. Smith ('56)  
Delavan, Wis., died Oct. 4, 2007

### 1960s

Thomas J. Eganhouse ('65)  
Naperville, Ill., died April 26, 2008

### 1970s

Steven J. Lukes ('76)  
Waterloo, Iowa, died July 6, 2008

D. Scott McKinley ('70)  
Janesville, Wis., died April 12, 2008

Glen L. Spaulding ('73)  
Arvada, Colo., died April 13, 2003

# Upcoming Events

**Saturday, October 18, 2008**

**Building Dedication – Dr. W. Eugene and Linda Lloyd  
Veterinary Medical Center**

Two hours prior to kick-off of the ISU/Nebraska game

**Saturday, October 25, 2008**

**Homecoming BBQ**

11:00 a.m. at the College of Veterinary Medicine

**Sunday, January 18, 2009**

**Alumni Reception**

North American Veterinary Conference  
Orlando, Florida



**IOWA STATE UNIVERSITY**

College of Veterinary Medicine  
Ames, IA 50011-1250

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