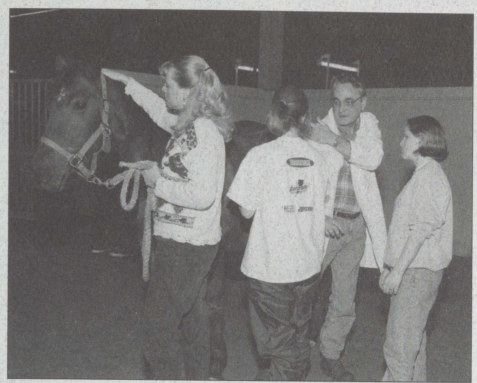


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Veterinary REPORT

College of Veterinary Medicine
University of Illinois at Urbana-Champaign
Spring 1997, Volume 21, No. 1



L.L. MOHALES

Dr. Pijanowski gives an impromptu lesson in comparative anatomy to Explorers Caroline Moller and Beth Shaffer while Karen Ollila (VM-3) holds the lead.

High School Students Explore Career in Veterinary Medicine

Scouting has come to Illinois's College of Veterinary Medicine, but you won't find young people building campfires. Instead, area high school students are getting a peek at a career in veterinary medicine, thanks to volunteer efforts of College faculty and students in a program initiated by the Boy Scouts. The co-educational "Exploring" program is open to any high school student for a small annual fee of \$12. "The goal of the program is to provide students with an opportunity to get a behind-the-scenes look at a career and to explore their own interests," says Mike Graham, district director of the Prairielands Council of the Boy Scouts of America. Career interest surveys conducted in the community's high schools showed a high level of interest in veterinary medicine, so the College was invited to form its own scouting post.

CONTINUED ON PAGE 4

Pig Proves Model Patient for Heart Surgery

For the person with heart-valve disease, surgery can be a life-saver. Unfortunately, both the surgery and the prosthetic valve can introduce serious health risks, such as infection, the formation of blood clots, and even brain damage. At the University of Illinois College of Veterinary Medicine, the search for safer techniques

and materials in heart surgery begins with the pig. "Most other heart-valve research, except for work being done in Denmark and Holland, involves sheep or calves," says Dr. David Gross, head of the department of veterinary biosciences. "These ruminants have blood coagulation systems very different

CONTINUED ON PAGE 3

College Research Gets Increased Funding from C-FAR

Eight research projects from faculty at the University of Illinois College of Veterinary Medicine received a total of more than \$400,000 in fiscal year 1997 from the Illinois Council on Food and Agricultural Research (C-FAR), a statewide coalition of about three dozen member organizations ranging from agribusiness and producer groups to environmental,

nutrition, and university representatives. In FY96, four College-sponsored projects were funded by C-FAR, for a total of \$133,500. This year's increase in C-FAR money corresponds to and exceeds the rise in the Illinois General Assembly's appropriation for food and agricultural research: \$6 million in FY97, doubled from \$3 million in FY96.

CONTINUED ON PAGE 7

what is Vet Med?

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Saturday, April 5, 1997
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Photos by L.L. Mohales

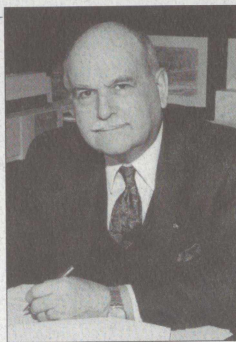
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LIL MORALES

On My Honor: The Question of Ethics

BY DR. TED VALLI

Dean's
Corner

Dates to Remember

As they prepared for the March 6 and 7 interviews with prospective students for the Class of 2001, Academic and Student Affairs staff members were busy with another important task: an intensive review of our Honor Code.

The College of Veterinary Medicine is unique on the Urbana-Champaign campus in having an Honor Code by which the students, through an ethics committee, are given the right and responsibility of self-regulation on matters of academic conduct. To put it more plainly, we're the only ones to use student self-discipline to avoid cheating on examinations.

Revisions to the Honor Code include distinguishing more clearly between professional students, who are governed by the Honor Code, and students from other colleges who are taking courses in veterinary medicine, who are governed by the campus's *Code of Policies and Regulations Applying to All Students*. Another change calls for the campus's associate dean of students, Dick Justice, who heads the Senate committee on student discipline, to meet with the students and faculty on the College's ethics committee each fall to ensure that they clearly understand their responsibilities.

A further important change is to involve the faculty more directly in questions of academic integrity. I am fully in favor of this change. Though I am a strong supporter of the Honor Code, common sense would suggest that faculty need to be present in the classroom during exams. The faculty need to be visibly involved so students recognize that the Honor Code is thoroughly and fully supported. We are not anticipating problems, but product quality tends to be maintained by good quality-assurance programs.

The veterinary profession generally enjoys a very positive public image, a reputation earned through committed and ethical service by the profession over many years. I recall a media ploy not long ago in which a healthy cat was taken to some 20 practices in a metropolitan area with a request for medical examination and suggestions for management. The reporters were astounded to find that almost invariably the cat was pronounced normal and not requiring any form of treatment. That is a report we can be proud of, and we must safeguard our reputation with ethical instruction for our professional students.

The College is fortunate to have alumnus-practitioner Dr. Gary Brummet (IL 81) assisting with a course in ethics. He presents students with real-life situations that have no clear-cut answers. For example, what would you do if friends of yours who are divorcing asked you to euthanize their three-year-old dog because they can't agree on custody and they believe the dog would be unhappy with another owner? What if you're asked for the first time to do work for a farmer who, other veterinarians say, does not pay his bills? How would you handle examining a cow that another veterinarian had recently diagnosed and treated for conjunctivitis and finding a splinter in the cow's cornea with an ulcer made worse by the ointment prescribed? These are real-life examples, but some students invariably respond, "This would never really happen."*

Recently Provost Larry Faulkner, in presenting a charge to a search committee, stated that the most important quality to look for is integrity. We will have this quality in mind as we interview prospective students and faculty who will carry on the reputation of our College and our profession. ■

**Editor's note: Dr. Brummet invites readers to submit their own real-life examples of issues related to professional ethics for possible use in his course. Send them to: Veterinary Report, 2938 VMBSB, 2001 S. Lincoln Ave., Urbana, IL 61802.*

March 28-30, 1997 – International Kennel Club Spring Show, McCormick Place East, Chicago. To volunteer for the veterinary medicine exhibit, call Kimberly Meenen, 217/333-2762.

April 5, 1997 – Veterinary Medicine Open House, Urbana, Ill. Call Chris Beuoy, 217/333-2907.

April 26, 1997 – College Awards and Scholarships Program, Urbana, Ill. Call Kimberly Meenen, 217/333-2762.

May 19-21, 1997 – Industrial Toxicology and Pathology continuing education short course, Illini Union, Urbana, Ill. Call Dr. Wanda Haschek-Hock, 217/333-2449.

May 19-23 – Workshop on Molecular Biology, Urbana, Ill. Contact Susan Steenbergen, 217/244-6409 or e-vimr@uiuc.edu.

July 17 – Dixon Springs Agricultural Center Field Day, Simpson, Ill. Call Frank Ireland, 618/695-2441.

July 23, 1997 – American Veterinary Medical Association Alumni Reception, Reno, Nev. Call Terry Rathgeber, 217/333-2762.

August 8-17, 1997 – Veterinary Medicine exhibit at the Illinois State Fair, Springfield, Ill. To volunteer to work a shift educating the public about veterinary medicine, call Kimberly Meenen, 217/333-2762.

August 23 - September 1, 1997 – Veterinary Medicine exhibit at the DuQuoin State Fair, DuQuoin, Ill. To volunteer to work a shift educating the public about veterinary medicine, call Kimberly Meenen, 217/333-2762.

September 6, 1997 – Deans Club Tent Party, UI v. Southern Mississippi, Champaign, Ill. Call Terry Rathgeber, 217/333-2762.

September 26-28, 1997 – Introductory Equine Nuclear Medicine Workshop, Urbana, Ill. Call Dr. A.R. Twardock, 217/333-6507.

October 2-3, 1997 – Annual Fall Conference for Veterinarians, Urbana, IL. Call Dr. Larry Firkins, 217/333-2907.

October 4, 1997 – Fall Conference Tent Party, UI v. Penn State, Champaign, Ill. Call Terry Rathgeber, 217/333-2762.



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Veterinary REPORT

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**Vet Report Submission Deadline for
Summer Issue — April 4, 1997**

More Women Entering Veterinary Medicine

Women are entering the profession of veterinary medicine at almost six times the rate men are, according to a report released by the American Veterinary Medical Association in January. The profession will have equal gender balance in less than 10 years if this trend continues.

Currently, women make up 30 percent of U.S. veterinarians and 67 percent of veterinary students. While more women are entering the field, most of the veterinarians who

are retiring are men: the proportion of male veterinarians over 45 years old is 55 percent, but only 13 percent of female veterinarians are over 45.

At Illinois's College of Veterinary Medicine, women made up 80 percent of the 1996 freshman class, compared with 54 percent in 1995, and 47 percent in 1985.

A copy of AVMA's comprehensive annual reports on the demographics of veterinary medicine is available by calling 847/925-8070.

College Happenings

Dr. DiPietro Accepts Deanship at Florida

In January, Dr. Joseph DiPietro, associate dean for research and professor of veterinary pathobiology, left Illinois after 18 years of service to become dean of the University of Florida College of Veterinary Medicine. He was hailed as "one of the world's leading experts on the treatment of parasitic disease in animals" by David Challoner, vice president for health affairs at Florida's Health Science Center.

Dr. DiPietro earned his bachelor's of science, his veterinary degree, and his master's in parasitology from the University of Illinois. In 1978, after two years in veterinary practice with the Peotone Animal Hospital, he joined the College faculty as an instructor in clinical medicine. He was made assistant professor in 1980, associate professor in 1984, and full

professor in 1990. He served as acting associate dean for research in 1990-91 and again in 1993-94, at which time he was officially appointed to the post.

Dr. DiPietro follows in the footsteps of Dr. Richard Dierks, who was Florida's dean for seven years after 13 years as dean at Illinois.

"Dr. Joe DiPietro did an outstanding job as associate dean for research, building excellent working relationships with our sister colleges on this and other campuses, with commodity groups, and with national research committees while maintaining a high profile in his own area of research," remarked Illinois Dean Ted Valli. "He will be missed, but we will be pleased to claim partial credit for his future success."

Dr. Buck Retires, Leaves Legacy in Veterinary Toxicology



After a career that encompasses starting veterinary toxicology programs at two major universities, mentoring more than 60 graduate

students, and founding the nation's only 24-hour animal poison hot line, Dr. William Buck feels his mission has been accomplished. His retirement in January capped nearly 20 years as professor of toxicology in the department of veterinary biosciences.

Dr. Buck received his veterinary degree at the University of Missouri and began his career with the U.S. Department of Agriculture, where he trained in toxicology in Texas, Utah, and Iowa. When he left USDA in 1964 to start a toxicology program at Iowa State's Veterinary Diagnostic Laboratory, he brought with him a \$500,000 grant from the National Institutes of Health.

In 1977, at the request of Dean Richard Dierks, Dr. Buck came to the University of Illinois College of Veterinary Medicine and the next year founded, with the help of three graduate students, a 24-hour animal poison hot line. Today the National Animal Poison Control Center

employs more than ten full-time veterinarians and has increased its annual volume of calls from 300 to 33,000.

Through the NAPCC and as professor emeritus in the College, Dr. Buck plans to stay involved in the field to which he has given so much.

Poison Control Hot Line Finds a New Home



The National Animal Poison Control Center, begun at the Col-

lege of Veterinary Medicine by Dr. William Buck in 1978, has a new home and sponsor. As of August 1996, the American Society for the Prevention of Cruelty to Animals moved this service to headquarters in Urbana's Sunnycrest Mall.

The new administrative phone number is 217/337-5030. The hot line numbers remain the same: 900/680-0000 for calls charged \$20 for the first 5 minutes and \$2.95 per additional minute; 800/548-2423 or 888/426-4435 for calls charged \$30 per case, including all follow-up calls (credit cards only).

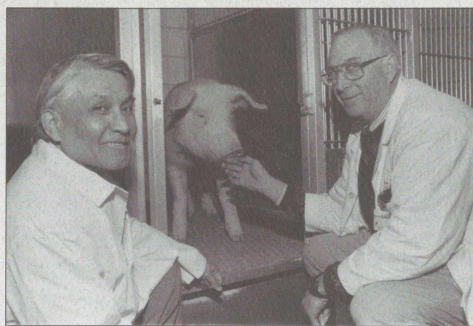
College Faculty Coedits Research Text

Dr. Mike E. Tumbleson, professor of veterinary biosciences, along with Dr. Lawrence B. Schook of the University of Minnesota, has compiled a new text on the use of pigs in medical research. *Advances in Swine in Biomedical Research* is a 1996 publication of Plenum Press, New York.

In an overview, the editors predict, "As swine are utilized in a greater spectrum of scientific endeavors, they will continue to be . . . recognized as the exemplary model for human health appraisals."

Model Heart Surgery Patient

CONTINUED FROM PAGE 1



Drs. Dewanjee and Gross offer a treat to a pig a few months after it underwent heart-valve surgery.

from those of humans, so the results of that research can be misleading. Both the cardiovascular system and the blood coagulation system of a pig, however, is very similar to that of humans. Pigs also develop atherosclerosis in response to a high-fat diet like we do."

As the director of the Cardiovascular Surgical Research Laboratory, Dr. Gross is using the pig to explore ways to improve heart-valve surgery. Working with Dr. Mrinal K. Dewanjee, who was recruited to the College because of his expertise in nuclear imaging, Dr. Gross last fall began studies that involve implanting 24 Yorkshire-cross pigs with either mechanical valves or tissue valves. (The latter are usually made from the aortic valve tissue of pigs.) Using a gamma camera at the College's division of nuclear medicine, the researchers can see where on the surface of the prosthesis blood molecules that have been tagged with radioisotopes adhere.

The purposes of the study are to validate the use of the pig model in heart-valve research, to suggest design changes in artificial valves that will minimize the formation of blood clots (and thus reduce or eliminate the need for patients to receive anticoagulants), and to help manufacturers design valves that last longer. The studies also offer implications for improvements in patient management techniques. Funding is coming both from industry and from the National Institutes of Health.

"The research will show us where the problem areas are—where thrombi [blood clots] are formed," says Dr. Gross. "We'll be able to watch the thrombi over time to see how and why they form and where they go. We also want to identify the mechanisms involved in the degeneration and calcification of the tissue valves. This information will enable us to recommend design changes in the valves and in the sewing rings that are used to hold them in place."

Another study in progress focuses on what Dr. Gross describes as essentially "a problem in classical fluid mechanics." With funding from the manufacturer that developed pyrolytic carbon—the material from which mechanical valves are made—the researchers will examine two variables of the mechanical valve: the finish and the shape. Findings should help determine the role of fluid mechanics in thromboembolism.

Dr. Gross has long been a proponent of the pig as an animal model for heart research. While at the University of Kentucky College of Medicine, he and fellow scientists pioneered a less invasive technique for coronary artery bypass grafting that speeds patients' recovery and reduces their length of hospital stay. The technique, which involves gaining access to the heart from between the ribs rather than by the conventional route of cutting open the breastbone, was first tested in feasibility studies on 16 pigs. The technique is beneficial because it uses a smaller incision, it reduces complications, and it allows surgeons to operate without putting patients on full artificial heart and lung support (cardiopulmonary bypass).

Ironically, Dr. Gross notes, "I've overseen \$2 million in research in my career, but the work on the new approach to heart access was something we did without funding. And yet it's having tremendous impact on reducing the suffering of heart surgery patients."

Anatomical similarities between pigs and humans provided part of the rationale for using pigs in the bypass graft study. "Other quadrupeds have longer, narrower chests and hearts, whereas pigs have a flatter chest, like that of humans. The pig's heart is also situated in the body cavity more like that of a human," explains Dr. Gross. An upcoming article by Dr. Gross in the *International Journal of Artificial Organs* will make the case for the pig model. ■



Second-year student Jack Bartels met Illinois senators Carol Moseley-Braun and Paul Simon during his externship with the AVMA's Governmental Relations Division.

Externship in Washington, D.C., Combines Student's Veterinary, Law Interests

A chance encounter at a wedding brought Jack Bartels to veterinary school, and clip art of the U.S. Capitol Building sent him for a month in Washington, D.C., last summer.

"I always wanted to be a veterinarian," begins Bartels, a second-year student. But growing up in the Chicago suburbs with little veterinary-related experience led him to put that dream aside and pursue a law career—for 13 years.

Then, at his brother-in-law's wedding, Bartels had a conversation with a retired mink rancher that changed his life. "He asked how I liked my work. When I didn't respond too enthusiastically, he said, 'Well, if you don't like it, get out of law. My daughter-in-law did.' He told me that she went to veterinary school after practicing law. I literally fell over! I hadn't realized that was a possibility," explains Bartels.

Bartels came to the University of Illinois College of Veterinary Medicine with an interest in a career that would combine law and veterinary medicine, but again, he wasn't sure it was possible. He knew of only two DVM/JDs, and they hadn't managed to incorporate both fields into their practice. Then a

flier hanging near the copier in Student Affairs brought another twist.

The flier featuring the Capitol invited applicants for an externship program with the Governmental Relations Division of the American Veterinary Medical Association. Bartels was one of only four DVM students—three of whom were lawyers and the fourth a journalist—who served as externs in 1996. The program includes a \$1,000 stipend.

"Being on Capitol Hill was incredibly exciting," says Bartels. "I went to hearings, visited legislators, attended fund-raisers, and updated issue briefs. I learned about the AVMA's role in the crucial AMDUCA legislation, which made it legal for veterinarians to prescribe human medicine for animals even though the drug isn't specifically approved for that use on the label."

Bartels comments that "lobbyist" has almost become a dirty word, but he sees it differently. "A lobbyist is essentially a salesperson. You're not 'selling' a product or services, but advocating the enactment of legislation. You highlight why it is good, but you have to be honest about the

opposition. If you aren't, you won't be trusted."

He also enjoyed the coalition-building process. "I was fortunate to attend a meeting of the Pets in Housing Coalition, which is promoting a law that would allow senior citizens to have pets in multi-unit public-assisted housing. Pet food companies, the American Kennel Club, and other companion animal associations were among those working to identify legislators who might support the legislation."

"Two DVMs serve in Congress," notes Bartels. "They are Representatives Wayne Allard (R-CO) and John E. Ensign (R-NV)."

So how does veterinary school compare with law school? "This is a lot harder, and it's very, very different. For one thing, there wasn't much memorization in law school, and not as much material overall," notes Bartels. "I expected it to be hard. I'm used to hard work. My only concern was making it through, since I'd given up so much—a house, a nice job—to come to the University of Illinois."

Ideally, Bartels will find himself in Washington, D.C., again someday, this time as an adviser in government. "Washington is exciting, but it's also very expensive. I could see myself working there for a while, then going into private industry."

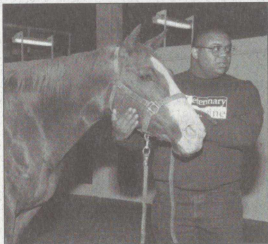
His first step after graduation, though, will be to spend a few years in veterinary practice. Bartels says, "You have to get out there and practice—deal with clients, do surgery under 'battle conditions'—to really know what veterinary medicine is all about." ■

Legal or Beagles: For DVM/JD, That Is the Question

■ Dr. Carol Kluka (IL 88) took on the challenge of simultaneously pursuing degrees in law and veterinary medicine. After graduation she practiced law with a personal injury firm for nearly 2 years. "I enjoyed the trial work—especially presenting cases in the courtroom—and medical malpractice work, but I found I wasn't interested in other aspects of a legal career. Ultimately, I decided that, for me, working with dogs and cats is much better than working with insurance companies! But one outcome of my legal training has been the realization that *everything* we do, both personally and professionally, has legal implications." Dr. Kluka currently works with an emergency veterinary practice in Peoria, Illinois.

■ Dr. Gregg A. Scoggins (IL 90) also alternated between veterinary and law school a year or two at a time. He has incorporated both fields into a rewarding law career in Richmond, Virginia. "My dual degrees have allowed me to become essentially a general practitioner for a specialized clientele: the veterinarian and equine communities," says Dr. Scoggins. "My practice includes handling litigation matters and, increasingly, business issues for both types of clients. I also frequently speak to veterinarians on legal and ethical issues."

Students Explore Career CONTINUED FROM PAGE 1



LIL MORGANES

Aaron Jackson (VM-3) volunteers to help Explorers experience veterinary medicine.

Dr. Gerald Pijanowski, associate professor of morphology and assistant dean of students, took charge of Explorer Post 310, the veterinary medicine group. He recruited third-year students Aaron Jackson, Thor Lindstrom, and Karen Ollila to help plan activities and meet with the high schoolers. Other College faculty have participated in sessions related to their areas of expertise. The group, which has had as many as 15 Explorers, meets in the evening for two hours four or five times a semester.

"This isn't stuff you get to learn in school," says Beth Shaffer, one of the Explorers. "It's really hands-on experience. The class is beneficial whether you're going to be a veterinarian or not. You learn a lot about the human body, too."

Dr. Pijanowski notes, "We want to reinforce the idea that if you're going to get into medicine, you must know science. We teach some anatomy and physiology, then allow them to see practical applications of what they've learned."

"For the cardiology lesson, the students were given a lecture in basic anatomy, embryology, and physiology of the heart. Then they had a chance to explore the anatomy of the heart. Dr. Dan Hogan showed them an ultrasound reading where persistent ductus arteriosus was present, so they could see how the flow of blood goes from the heart to the aorta, bypassing the lungs."

Another lesson featured a fracture case where students learned about the biology of bone healing. They were

allowed to suit up as if for surgery, to see how hard it is to maintain a sterile environment, then practice incisions and sutures on the soft tissue surgery models and put a bone plate on a bone model in the psychomotor skills lab. For Explorer Lisa McClary, that was a first. "I had never held a drill before, and it just went right through—bzzzt! It was supposed to cut through, but not that fast." She especially enjoyed the soft tissue models because she "got to cut into everything."

When Dr. Phillip Hammock showed the Explorers how to examine a horse for lameness, Andrea Pacey, a senior at Urbana High School, picked up some pointers that may be especially useful since she has her own horse. She already has some familiarity with the College—her mother, Cathy, is a secretary in the department of veterinary biosciences.

Graham acknowledges that the Exploring program is a little-known side of scouting. The program originated nationally in 1959, and Champaign-Urbana has had Explorer posts

since nearly the start. The community currently offers about 15 Exploring programs covering such careers as law, law enforcement, and engineering. "The facilities and resources at the College of Veterinary Medicine are fantastic for giving participants a wide range of experiences related to a veterinary career," says Graham.

For the veterinary medicine students, involvement in the Explorer program allows them to influence the future of the profession and offer potential students something they themselves didn't have. "I was in Boy Scouts in high school. I wish they'd had something like this for me," notes Jackson.

"This is my second career," says Ollila, who had worked as an accountant for five years before returning for veterinary school. "I wanted a chance to expose kids to veterinary medicine so they can make a good choice the first time."

Several of the Explorers hope to enroll at the University of Illinois and eventually perhaps in the College of Veterinary Medicine. ■

New Endowments Strengthen College Programs

One of the priorities of the University's billion-dollar *Campaign Illinois* is the creation of additional endowments: self-renewing sources of funding that support the University's long-term strategies for growth and strength. Because an endowment's interest income—not the principal itself—serves as a source of available funds, the gift or bequest of an endowment represents an everlasting legacy.

The College of Veterinary Medicine's endowment pool has been remarkably strengthened over the first six years of the campaign. Although much of our growth is in unrealized planned endowments, the funds described below have become immediately available to the College.

■ The Dr. David and Bonnie McConnell Scholarship Endowment was the inspiration of the McConnell's children, Ellen, Martha, and Doug. After the effort was discussed in the fall of 1994, a small group of family and friends secretly raised nearly

\$35,000 before surprising David and Bonnie with the fund in the summer of 1996. A graduate of the Class of 1956, David and his colleagues built the very successful Dundee Animal Hospital. After retiring from practice, he worked for a time with the AVMA Insurance Trust. He and Bonnie chose to honor the importance of David's basic science education to his practice career through this scholarship, which will be presented annually, starting this fall. Recipients will have a questioning mind and a solid foundation in the basic sciences; a work ethic that reflects perseverance, self-reliance, and initiative; a willingness to accept responsibility in the face of financial need; evidence of collegiality with classmates and a positive professional attitude; and a record of active participation in the Student Chapter of the American Veterinary Medical Association.

■ The Dr. Chris Moberly Memorial Scholarship Endowment was created after his tragic death last summer. Dena Heflin, Chris's wife and 1990

classmate, worked with family, friends, and co-workers to raise more than \$10,000 for this endowment. The scholarship will be presented to a junior entering the senior year. The recipient should be a sensitive, compassionate, hard-working person who is dedicated to the wellness of all living creatures. The recipient should exhibit excellent leadership qualities, have classmates' respect, and be a real "people" person. The Moberly Scholarship is based not on grades or needs but on the potential for becoming a good general practitioner, with evidence of good surgical skills and excellent client communication abilities.

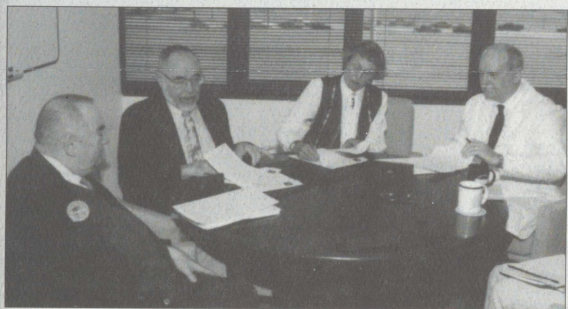
■ Members of the Class of 1962 have been working for over a year, with an eye to this year's 35th class reunion, to create an endowment to honor deceased classmates. The College development office worked with Drs. K. T. Wright and Neil Becker and several others to solicit the entire class. In January they topped the minimum endowment figure of \$10,000. The Class of 1962 Endowment will support the programming efforts of the continuing education section, with the first year's interest from the endowment going to support a 1997 Fall Conference speaker.

To support College endowments, make your check payable to the University of Illinois Foundation and note the name of the endowment on the check's memo line. Checks can be mailed to University of Illinois Foundation, 1305 W. Green St., Urbana, IL 61801, or to the attention of Terry Rathgeber, College of Veterinary Medicine Development Office, 2001 S. Lincoln Ave., Urbana, IL 61802. ■

Active Endowments at the College of Veterinary Medicine

- Warren N. Anderson Endowment
- Loyd C. Boley Scholarship
- L.L. Cluster Scholarship
- Wally Brandt Endowment
- Class of 62 Endowment
- Class of 52 Endowment
- Richard E. Dierks Alumni Scholarship Endowment Fund
- Paul B. Doby Endowment
- Joseph L. Dorner Award
- Walter and Mary Lou Fehrenbacher Endowment
- Lily Ireland Scholarships in Veterinary Medicine
- Virginia R. Ivens Endowment
- Gordon and Helen Kruger Endowment
- Helen and Norman Levine Endowment
- Max and Ginger Levine Endowment
- Roger P. Link Scholarship
- Heidi Lott Memorial
- David and Bonnie McConnell Scholarship Endowment
- C. David and Mary Lorretto McLaughlin Scholarship Endowment Fund
- Chris Moberly Scholarship
- Lester Puhse Memorial
- Salisbury Foundation Scholarship
- Sandrik Family Scholarship Fund
- Mariangela and Diego Segre Research Fellowship Fund
- Erwin Small Scholarship
- Veterinary Medicine Awards Endowment
- Wildlife Medical Clinic Endowment

For more information about any of these funds, please call Terry Rathgeber at 217/333-2762.



Dr. David and Bonnie McConnell, shown here with Dr. Erwin Small and Dean Ted Valli, established a scholarship endowment last summer to support outstanding veterinary students.

Patients Sought for Canine Fracture Study

The division of small animal surgery is conducting two studies in the treatment of fractures. Patients must be adult dogs with either comminuted tibial fractures (not caused by gunshot) or any fractures of the long bones. The tibial study looks at rate of healing after treatment with external fixation with CT scan, and the long-bone study evaluates the effects of blood supply to the cortical bone after fracture repair surgery using scintigraphy. Owners will receive a reduction in the cost of care. Veterinarians can contact Drs. Scott Averill, Melissa Dudley, Ann Johnson, or Bill Smith for details (217/333-5366).

Diagnostic Lab Offers Manual On-line

The Laboratories of Veterinary Diagnostic Medicine provide full-service, all-species diagnostic assistance to practicing veterinarians and their clientele. In March all veterinary practices in Illinois will be sent electronic versions of the User's Manual for the labs at Galesburg, Centralia, and Urbana. The updated manual is also available on the World Wide Web at <http://www.cvm.uiuc.edu/dxlab/diag1.htm>. The Web document includes price lists and is indexed and searchable. The Illinois Pork Producers Association and the Illinois Beef Association provided financial assistance for the distribution of the manual.



A gift to the College's LifeLink program can extend needed veterinary care to companion animals belonging to ill or elderly people on fixed incomes. LifeLink assisted Esther Quillen in covering the cost of eye surgery for Rosie last December. "We are so pleased to have this done for Rosie," Ms. Quillen reports. "It's a wonderful, wonderful gift."



Research Projects Funded August 1, 1996, to December 31, 1996

EQUINE

Manohar M & Goetz TE, *Illinois Department of Agriculture/Equine*, \$28,549, "Evaluation of Furosemide (Lasix) dose for Racehorses Experiencing Exercise-Induced Pulmonary Hemorrhage (EIPH)."

Whittem EL & Davis CA, *Illinois Department of Agriculture/Equine*, \$4,785, "Forensic Detection of Stimulatory Drugs in Equine Hair: A Pilot Project."

GENERAL

Beasley VR, *John G. Shedd Aquarium*, \$5,000, "Intersexuality and Renal Parasitism in the Cricket Frog in Illinois & Organochlorines."

Biehl LG, Hurt C, & Weigel RM, *United States Department of Agriculture/CSREES*, \$28,000, "Integrated Animal Health Management."

Clarkson RB, *Illinois Council on Food and Agricultural Research (C-FAR)*, \$45,000, "A Quantitative MRI Technique for the Evaluation of Fat/Muscle Ratios."

Docampo R, *World Health Organization*, \$40,020, "Acidocalcisomes of *Trypanosoma brucei*."

Docampo R & Vanderheyden N, *American Heart Association*, \$13,200, "Calcium and pH Homeostasis in *Trypanosoma cruzi*."

Eurell TE, *U.S. Air Force*, \$130,496, "The Development of Corneal Equivalents for *In Vitro* Testing of Ocular Irritants (AFOSR)."

Hoyer LL, *Campus Research Board*, \$25,000, *National Institutes of Health*, \$96,420, "ALS Gene Family of *Candida albicans*."

Hoyer LL, *United States Department of Agriculture/HATCH Funds*, \$20,000, "Characterization of Putative Adhesin Genes from the Pathogenic Fungus *Candida albicans*."

Isaacson RE & Haschek-Hock WM, *C-FAR*, \$50,000, "C-FAR Fellows in Food Safety."

Kakoma I & Goetz TE, *Pfizer Inc.*, \$10,000, "A Novel Synthetic Multimer for Diagnosis and Immunoprophylaxis of Canine and Equine Ehrlichiosis."

Kitron UD, *National Institutes of Health*, \$311,424, "Environmental Determinants of Lyme Disease Foci."

Miller GY, *United States Department of Agriculture*, \$10,000, "Minority High School Research Apprenticeship Program."

Smith RD, *United States Department of Agriculture/Higher Education*, \$79,997, "Computer-Aided Instruction in Food Safety/Foodborne Disease on the World Wide Web."

Smith RD, *Sloan Center*, \$2,960, "Programming Assistance for Instructional Use of the World Wide Web."

Smith RD, *Partnership Illinois*, \$13,680, "Partnership to Enhance Food Safety Outreach and Education."

Taylor GD, Peper RL, & Koch MA, *Illinois Wesleyan University*, \$6,000, "Illinois Wesleyan University Laboratory Animal Medicine and Welfare Consultation."

Teuscher C, *Campus Research Board*, \$18,964, "Susceptibility and Resistance Loci in Murine EAE."

Teuscher C, *National Institutes of Health*, \$193,324, "Susceptibility and Resistance Loci in Mouse EAE."

Tripathy DN, *Schering-Plough*, \$10,088, "Evaluation of Recombinant Infectious Laryngotracheitis Virus Vaccines."

Whittem EL, Johnson AL, & Smith CW, *Pfizer Inc.*, \$8,892, "A Controlled, Blinded Clinical Trial to Examine the Efficacy of Prophylactic Perioperative Antimicrobial Drugs During Elective Orthopedic Surgery."

RUMINANT

Constable PD, *Lab Vetoquinol*, \$30,209, "Efficacy Study of the New Oral Fluid V6703 Given Orally Twice a Day for 2 Days in the Treatment of Experimentally Induced Diarrhea in 18 Neonatal Calves."

Foley GL, Ott RS, & Faulkner DB, *United States Department of Agriculture/HATCH Funds*, \$22,030, "Reversibility of Testicular and Spermatologic Lesions in Gossypol-fed Bulls."

Huhn JC, Nelson DR, & Olson WA, *United States Department of Agriculture/Animal Health & Disease*, \$15,759, *United States Department of Agriculture/HATCH Funds*, \$5,000, "Abomasal Function in Dairy Cattle with Left Abomasal Displacement."

Robinson JL, *United States Department of Agriculture/Animal Health & Disease*, \$15,000, "Characterization of cDNA for Bovine Factor XI."

Whittem EL, Morin DE, & Koritz GD, *C-FAR*, \$29,899, "Population Pharmacokinetics for Antibiotic Milk Discard Times."

Whittem EL, Davis CA, Morin DE, & Koritz GD, *United States Department of Agriculture/HATCH Funds*, \$21,800, "A Minimally Invasive Technique for Drug Residues at Intramuscular Injection Sites."

SMALL ANIMAL

Holmes KR, *National Institute of Health/CUNY Research Foundation*, \$5,500, "Thermoregulation in the Prostate During Hyperthermia."

Kitchell BE, *Campus Research Board*, \$13,000, "Reverse-Transcription Polymerase Chain Reaction Profiling of Canine Spontaneous Tumors for Presence of Matrix Metalloproteinases."

Segre M, *Ralston Purina Co.*, \$7,806, "Validation of Immunological Techniques to be Used in a Future Immunogenontologic Study in Cats."

Tranquilli WJ & Grimm KA, *Mallinckrodt*, \$12,000, "Clinical Field Trial with Propofol (2,6 Diisopropylphenol) in Cats."

SWINE

Bahnson PB, Troutt HF, Isaacson RE, Miller GY, Weigel RM, Brewer MS, & Unnevehr L, *C-FAR*, \$14,195, "Risk Assessment of Salmonella Infection in Pig Farms."

Dewanjee MK & Gross DR, *National Institute of Health*, \$186,954, "Mechanisms of Damage Caused by Cardiopulmonary Bypass."

Gaskins HR, *United States Department of Agriculture/Animal Health & Disease*, \$15,000, "Molecular and Cellular Characterization of the Pig CD1 Family."

Gross DR, *Medtronic Heart Valves Inc.*, \$36,985, "Initiating Studies of Prospective Sewing Ring Valve Study."

Isaacson RE, *National Pork Producers Council/Targeted Food Safety*, \$29,998, "The Effect of Shipment Associated Stress on the Post Harvest Shedding of *Salmonella typhimurium* and Other Enteric Pathogens in Swine."

Jones CJ & Firkins LD, *Pfizer Inc.*, \$62,467, "Efficacy of 300 ug/kg of Doramectin Injectable Solution Against Artificially Induced Mange Infestation in Prefarrowing Sows Under Commercial Conditions."

Kuhlenschmidt MS & Gelberg HB, *United States Department of Agriculture/NRI*, \$267,495, "Receptor Therapy for Porcine Group A Rotavirus Disease."

Troutt HF, *C-FAR*, \$108,835, "Reducing Salmonella in Illinois Pigs: Promoting Food Safety and Sustaining Markets."

Weigel RM & Isaacson RE, *C-FAR*, \$58,846, "The Ecology of Salmonella Transmission on Swine Farms."

Weigel RM & Scherba G, *Illinois Department of Agriculture/Swine*, \$8,000, "Epidemiology of Porcine Reproductive and Respiratory Syndrome (PRRS) Virus Infection in Illinois Swine Herds."

Weigel RM & Miller GY, *C-FAR*, \$76,280, "A Swine Herd Health Monitoring and Decision Making System."

Weigel RM, Scherba G, & Firkins LD, *United States Department of Agriculture/Animal Health & Disease*, \$4,977, "Epidemiology of Porcine Reproductive and Respiratory Syndrome (PRRS) Virus Infection in Illinois Swine Herds."

Wollenberg GK & Haschek-Hock WM, *Illinois Department of Agriculture/Swine*, \$12,000, "The Effects of Fumonisin on the Immune Function of Porcine Macrophages and Neutrophils."

Wollenberg GK & Haschek-Hock WM, *C-FAR*, \$79,103, "Fumonisin Suppression of Bacterial Resistance in Pigs."



Dr. Peter Bahnson,

assistant professor in the department of veterinary clinical medicine, brings interests in efficiency of produc-

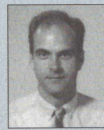
tion in swine systems. His current work focuses on the epidemiology of *Salmonella* infection in pigs, development of on-farm HACCP protocols, development of serologic protocols for ongoing assessment of herd health status, and the effects of pig movement and segregation on disease occurrence and severity. Dr. Bahnson prefers to address research questions with farm- and/or field-based data collection, with a goal of transferring improved technology to commercial production systems. He completed his DVM at Iowa State University in 1985 and his Ph.D. in veterinary medicine at the University of Minnesota in 1994.



Dr. Mrinal K.

Dewanjee, a radiopharmaceutical chemist, joins the College from the Department of Radiology,

Division of Nuclear Medicine, University of Miami, College of Medicine. He was one of the first to develop techniques for tagging platelets and neutrophils with radioisotopes. For many years, his work has focused on reducing the numbers of thromboemboli from components of cardiopulmonary bypass and cardiovascular devices. He brings research support from the National Institutes of Health and from industry.



Dr. E. J. Ehrhart is

an assistant professor with the Laboratories of Veterinary Diagnostic Medicine and the department of veteri-

nary pathobiology. He completed a residency in anatomic pathology and a Ph.D. in radiation oncology at Colorado State University. His research interests focus on normal homeostatic controls for tumorigenesis, including extracellular matrix and cytokines.

Dr. Nicole Ehrhart,

an assistant professor in small animal surgery, received her VMD at the University of Penn-

sylvania School of Veterinary Medicine and completed an internship at the Animal Medical Center in New York City. At Colorado State University she completed a residency in small animal surgery and received a master's degree in clinical medicine. She then completed a postdoctoral fellowship in clinical oncology. Her research interests are in bone neoplasia, limb salvage, and human breast cancer.

New Faculty



C-FAR Funding CONTINUED FROM PAGE 1

C-FAR was formed in late 1994 out of concern that Illinois ranked 29th nationally in state support for food and agricultural research, although the state traditionally ranks fourth or fifth in gross agricultural production. C-FAR's mission is to secure funding for research and related outreach programs that lead to profitable, consumer-sensitive, and environmentally sound food and agricultural systems in Illinois and the nation. In particular, it seeks to increase public funding for food and agriculture research among the state's four universities that conduct such research, as well as through a competitive grants program open to researchers outside the universities.

Key to the C-FAR philosophy is public participation in planning and evaluating the process and impact of research activities. To communicate the impact of research, College researchers joined C-FAR-funded scientists from the other state universities to present overviews of their work at a February 5 event in the Capitol Rotunda in Springfield.

"Researchers at the College are making significant contributions toward a safe and wholesome food supply in Illinois," says Dr. Richard E. Isaacson, professor of veterinary pathobiology and scientific director of the Center for Zoonosis Research and Infectious Diseases. "We met with C-FAR members and legislators to make them aware of our leadership role in food safety and public health."

The following veterinary medicine proposals were approved for FY97 C-FAR funding.

■ Drs. Robert B. Clarkson and John Losonsky, veterinary clinical medicine, and colleagues Floyd McKeith and Michael Ellis from the College of Agricultural, Consumer and Environmental Sciences (ACES) will perfect a magnetic resonance imaging (MRI) technique based on the physical and chemical differences between fat and muscle and the distribution of interstitial fat. The high-precision, non-destructive analysis can be used on meat cuts, carcasses, and live animals to determine meat quality and could aid breeders, producers, and nutritionists. FY97 funding: \$45,000

■ Drs. Ronald M. Weigel and Gay Y. Miller, veterinary pathobiology, will examine five common infectious agents thought to have a significant impact on swine productivity in order to develop a protocol for a swine herd health monitoring system and decision-making computer software. FY97 funding: \$76,280

■ Corn-based diets with high concentrations of fumonisin cause death in swine. Drs. Gordon K. Wollenberg and Wanda M. Haschek-Hock, veterinary pathobiology, will study the role of fumonisin in the suppression of bacterial resistance, determine the mechanism that mediates this suppression, and establish safe levels of fumonisin in pig rations. FY97 funding: \$79,103

■ Drs. Isaacson and Haschek-Hock administer the interdisciplinary C-FAR Fellows in Food Safety program. Four graduate students are funded through the current grant. FY97 funding: \$50,000

■ A study led by Dr. H. Fred Troutt, veterinary clinical medicine, will follow slaughter pigs from Illinois swine farms to identify intervention points to reduce the incidence of *Salmonella*. The study has long-range goals of promoting food safety and sustaining market advantages for Illinois pigs. FY97 funding: \$48,495

■ Little is known about the transmission of *Salmonella* to swine. In a study by Drs. Weigel and Isaacson, data—from blood samples, to floor scrapings, to manure management practices—will be collected from farms previously identified as infected with *Salmonella* to determine the most likely sources of infection and to help find ways to reduce risk of infection. FY97 funding: \$58,846

■ Dr. Peter Bahnson, veterinary clinical medicine, along with Drs. Troutt, Isaacson, Miller, and Weigel, will work with Susan Brewer and Laurian Unnevehr of the College of ACES in a two-stage project. The researchers will make extensive surveys of risk factors and characteristics associated with farms where *Salmonella* is found, and then track *Salmonella* prevalence in pigs from those farms as they move through the delivery and processing system. Data will be used to create a prioritized list for farm-level prevention strategies and future research. FY97 funding: \$14,195

■ Milk discarded after antibiotic treatment in Illinois dairy herds costs an estimated \$5.4 million each year. Drs. Ted Whittem and Dawn Morin, veterinary clinical medicine, and Dr. Gary Koritz, veterinary biosciences, will evaluate use of population pharmacokinetic methods to more accurately determine milk discard times. This approach could improve milk quality, increase milk yields, and improve consumer confidence in milk products. FY97 funding: \$29,899



C-FAR monies support four fellowships in the College. Shown here with Dr. Ronald Weigel (second from left), Dr. Wanda M. Haschek-Hock (far right), and Ellen Hanks, president of the Illinois Pork Producers Association (foreground), are 1997 C-FAR fellows (from left) Gertraud Regula; Carrie Argyle, DVM; Sheila Patterson; and Nohra Mateus-Pinilla, DVM.



Dr. Lois Hoyer is an assistant professor of microbiology in the department of veterinary pathobiology, with a joint appointment in the College of Agricultural, Consumer and Environmental Sciences. She has a Ph.D. in veterinary pathobiology from the University of Illinois at Urbana-Champaign and completed postdoctoral studies at SmithKline Beecham Pharmaceuticals, the Lawrence Berkeley Laboratory, and Iowa State University. Dr. Hoyer's current research project focuses on characterization of the ALS gene family of *Candida albicans*, which encodes proteins that may help the fungus adhere to host tissues, a key step in pathogenesis.



Dr. Alistair McVey is an adjunct assistant professor in small animal medicine and surgery. He earned his DVM at the University of Minnesota and worked in veterinary practice in Cloquet and Duluth, Minnesota. He then served a 3-year residency in neurology and neurosurgery at North Carolina State University, where he was also involved in studies of golden retrievers with muscular dystrophy. He volunteered three times as race veterinarian for the 500-mile Beargrease Sled Dog Race, held each January in Minnesota. Dr. McVey is a Diplomate ACVIM (Neurology).



Dr. Susan Schantz joins the Department of Veterinary Biosciences as associate professor after 6 years as assistant professor of environmental toxicology at the University of Illinois Institute for Environmental Studies. She has a joint appointment in the University's psychology department and is a member of the Interdisciplinary Neuroscience Program as well as the Interdisciplinary Environmental Toxicology Program. She has a Ph.D. in environmental toxicology from the University of Wisconsin-Madison and completed postdoctoral work at Wayne State University in Detroit. Her research includes a long-term epidemiological study of people exposed to polychlorinated biphenyls (PCBs) and dioxins through consumption of sport-caught Lake Michigan fish. She is also studying the effects of these contaminants on the nervous system function of laboratory animals.











Dr. Mary Ann Vonderhaar is a visiting assistant professor in oncology. She graduated from The Ohio State University College of Veterinary Medicine in 1988, and completed internship and residency training at Purdue University while earning a master's degree. She is board eligible in the field of oncology. Her areas of interest include lymphoma, the acute and chronic effects of anthracyclines, and the clinical effects and therapy of hyperthyroid cats.







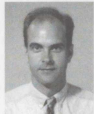












University of Illinois College

Services at the College



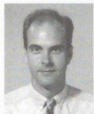










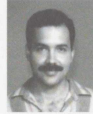







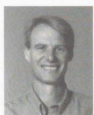




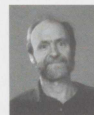



















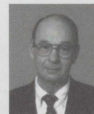


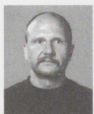

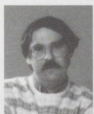



Continuing Education and Public Service	217/333-2907
Diagnostic Medicine (LVDM)	217/333-1620
Laboratory Animal Care	217/244-1829
Large Animal Clinic Referrals	217/333-2001
Library	217/333-2193
Small Animal Clinic Referrals	217/333-5311

College Administration 217/333-2760

Dean	Associate Deans					Biomedical Communications	Computing Services	Veterinary Medicine Library
								
V. E. Valli 217/333-2760	Wanda Haschek-Hock Research, Interim 217/333-4291	Gay Miller Academic Affairs 217/333-1192	Terry Rathgeber Development 217/333-2762	Erwin Small Alumni & Public Affairs 217/333-6763	David Vyverberg 217/333-0396	Craig Flowers 217/333-7467	Mitsuko Williams 217/333-2193	

Continuing Education and Public Service 217/333-2907					Diagnostic Medicine 217/333-1620				
									
Peter Bahson Swine	LeRoy Biehl Coordinator, Swine	John Calhoun Dixon Springs Ag Center	Daniel Damman Swine	Larry Firkins Swine	John Andrews Director	E. J. Ehrhart	Walter Hoffmann Clinical Pathology 217/333-5370	Gavin Meerdink Toxicology 217/333-1620	Robert Murnane Zoological Pathology 708/216-3946
									
Gavin Meerdink Beef, Feed Safety	Allan Paul Small Animal	Dean Scoggins Equine	Richard Wallace Dairy	Allan Paul Parasitology	Gail Scherba Virology 217/244-0929	A. Ray Smith Microbiology 217/333-3577	Matthew Wallig Pathology 217/244-0138	Federico Zuckermann Immunology 217/333-7767	

Department of Veterinary Pathobiology 217/333-2449

Acting Head	Pathology, Anatomic									
										
Richard Isaacs	John Andrews Anatomic	E. J. Ehrhart	George Foley Anatomic	Howard Gelberg Anatomic	Wanda Haschek-Hock Toxicology	Carol Lichtensteiner	Frederique Poulet	V. E. Valli Hematopathology	Matthew Wallig Chair, Toxicology	
										
Gordon Wollenberg	James Zachary Anatomic	Laura Gumprecht Resident	Roberto Guzman Resident	John Jacobson Resident	Julie Johnson Resident	Brian Knight Resident	William Meier Resident	Michael Ringenberg Resident		
Pathology, Clinical			Pathology, Zoological		Epidemiology & Preventive Medicine			Parasitology		
										
Walter Hoffmann Clinical Chemistry	Joanne Messick Hematopathology	Philip Solter Clinical Chemistry	Laura Morton	Robert Murnane	LeRoy Biehl Swine	Laura Hungerford Epidemiology	Uriel Kitron Epidemiology	Jianyang Li Helminthology	Carl Jones Chair, Entomology	
										
Linda Berent Resident	Charles Wiedmeyer Resident	Michael Kinsel Resident	Gay Miller Agricultural Economics	Ronald Smith Epidemiology	Ronald Weigel Chair, Epidemiology	Silvia Moreno Hematropic, Protozoology	Allan Paul Helminthology			
Microbiology/Immunology							Comparative Medicine			
										
Roberto Docampo Parasitology	Lois Hoyer Clinical Bacteriology	Ned Hahn Virology	Richard Isaacs Chair, Bacteriology	Ibulaimu Kakoma Clinical Bacteriology	Mark Kuhlenschmidt Bacteriology	Gail Scherba Virology	Michael Koch Laboratory Animal Medicine	Randy Peper Laboratory Animal Medicine	Gale Taylor, Chair Laboratory Animal Medicine	
										
Mariangela Segre Immunology	A. Ray Smith Clinical Bacteriology	Cory Teuscher Immunogenetics	Deeki Tripathy Virology, Vaccinology	Eric Vinn Bacteriology	Federico Zuckermann Immunology	Paul Vancutsem Molecular Toxicology	Katherine Wasson Resident			

Veterinary Medicine Faculty

Department of Veterinary Biosciences 217/333-2506

— Head —



David Gross

Morphology



Paul Cooke
Endocrinology



Jo Ann Eurell
Bone and Joint



Rex Hess
Reproductive
Biology



Kenneth Holmes
Chair, Bioheat Transfer

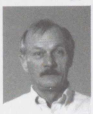
Pharmacology/Toxicology



Val Beasley
Chair, Clinical
Toxicology



Thomas Eurell
Immunopathogenesis



Larry Hansen
Environmental
Toxicology



Gary Koritz
Comparative
Pharmacokinetics



Gary Iwamoto
Cardiovascular
System



Gerald
Pijanowski



Mark Simon
Cartilage Growth



David
Schaeffer



Susan Schantz
Environmental
Toxicology



Ted Whittm
Clinical
Pharmacology

Physiology/Nuclear Medicine



David Bunick
Male Reproduction



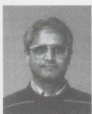
Mark Chambers
Nuclear Medicine
Imaging



Mrinal Dewanjee
Radiopharmaceutical
Chemistry



David Gross
Cardiovascular
Function



Aslam Hassan
Gastrointestinal
System



James Hixon
Reproductive
Endocrinology



Gary Jackson
Neuroendocrine
Regulation



Murl Manohar
Cardiopulmonary
Physiology



Gary Sherman
Reproductive
Physiology



Michael
Tumbleson
Mammalian



Robert Twardock
Chair, Nuclear
Medicine Imaging

Department of Veterinary Clinical Medicine 217/333-5310

Head



Fred Trout

Anesthesiology



John Benson

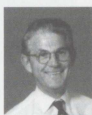


John Thurmon
Section Head



William Tranquilli

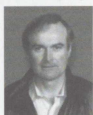
Equine Medicine & Surgery



Gordon Baker
Section Head,
Medicine, Surgery



Jonathan Foreman
Medicine



David Freeman
Surgery



Thomas Goetz
Medicine

Food Animal Medicine & Surgery



Peter Constable,
Section Head, Intern. Med.,
Cardiovasc. Physiology



John Huhn
Surgery



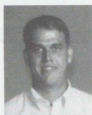
Dawn Morin
Internal Medicine,
Mastitis



Kurt Grimm
Resident



John Tukey
Resident



Phillip Hammock
Resident



Olivia Inoue
Resident



Jonathan Magid
Resident



Dale Nelson
Surgery



Fiona Maunsel
Resident



Pam Walker
Resident

Ophthalmology



Ralph Hamor



Gary Althouse
Theriogenology
Swine



Peter Bahnson
Swine Production
Medicine



Theodore Lock
Theriogenology
Equine

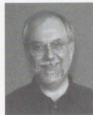


Randall Ott,
Section Head,
Therio. Bovine



Clifford Shipley
Production
Medicine

Radiology



Robert Clarkson
Research MRI



Stephen Kneller
Ultrasound,
Radiology



John Losonsky
Acting Section Head,
Clinical MRI, Radiology



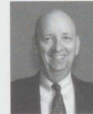
Taka Miyabayashi
Ultrasound,
Radiology



Dennis Donohue
Resident



Manoel Tamassia
Ambulatory



Fred Trout
Clinical Nutrition,
Food Safety



Sherrie Clark
Resident



Deborah Rowley
Resident



Robert Twardock
Nuclear Medicine



Kerri Beck
Resident



Sharon Ryan
Resident

Small Animal Medicine



Thomas Burke
Obstetrics, Reproduction,
General Medicine



Karen Campbell
Dermatology



Barbara Kitchell
Oncology



Donald Krawiec
Section Head, Intern.
Med., Urinary



Sheila
McCullough
Community Practice



Brendan McKiernan
Internal Medicine,
Respiratory



Alistair McVey
Neurology



Alan Parker
Neurology



David Sisson
Cardiology



Mary Ann
Vonderhaar
Oncology



Kenneth Welle
Exotics

Small Animal Surgery



Nicole Ehrhart
Orthopedics, Soft
Tissue, Neurosurgery



Cathy Greenfield
Soft Tissue



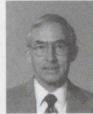
Ann Johnson
Orthopedics,
Neurosurgery



Sandra Manfra
Soft Tissue,
Dentistry



Alistair McVey
Neurosurgery



C. W. Smith, Section
Head, Orthopedics,
Neurosurgery



Scott Averill
Resident



Elizabeth Brine
Resident



Bradley Coolman
Resident



Melissa Dudley
Resident



Barbara Biller
Resident
Oncology



Jennifer Brinson
Resident
Internal Medicine



Ravi Dhaliwal
Resident
Oncology



Kinga Gortel
Resident
Internal Medicine



Daniel Hogan
Resident
Cardiology



Rhonda Schulman
Resident
Internal Medicine

(current as of 2/1/97)



Excellence, Service Honored at Awards Ceremony

The fourth annual University of Illinois College of Veterinary Medicine awards program drew a crowd of 159 people on November 8, 1996, at Jumer's Castle Lodge. Dr. Gary Brummet (IL 81), owner of A&E Animal Hospital in Urbana, Illinois, served as master of ceremonies.

Among the honored guests at the banquet were Dr. Gordon and Helen Kruger, who this year created an endowment to sponsor the All-Round Excellence Award. Gordon (ISU 42) and Helen have been long-time supporters of the College, and their son David is a 1978 graduate.

College Awards

A \$1,000 cash prize and a framed certificate went to the winners of the

Teaching, Research, and Service Excellence Awards; the Dr. Gordon and Helen Kruger All-Round Excellence Award; the Academic Professional Award of Excellence; and the Dr. Robert and Lucy Graham Award. Runners-up received a certificate of recognition and an inscribed brass desk clock.

Dr. Ted Lock, veterinary clinical medicine, was selected by the third- and fourth-year veterinary students as winner of the teaching award for presenting material with enthusiasm, dedication, clarity, and creativity and for integrating subject concepts into the framework of the curriculum.

Winning the service award for outstanding committee work, clinical service, and continuing education was **Dr. Allan Paul**, veterinary pathobiology. Individuals can be nominated for this award by their departments and by regional veterinary medical associations. **Dr. Gary Koritz**, veterinary biosciences, and **Dr. Ronald Smith**, veterinary pathobiology, were finalists.

Dr. Roberto Docampo, veterinary pathobiology, garnered the research award, given in recognition of the quality and quantity of publications, research awards, and outside recognition of his work.

Dr. David Freeman, veterinary clinical medicine, received the award signifying excellence in the College's three-fold mission of teaching, research, and service. **Dr. Mark Kuhlenschmid**, veterinary pathobiology, was a finalist in this category.

Dr. Elizabeth Greeley, veterinary pathobiology, won the academic professional award in recognition of outstanding performance and professional

excellence at the College, and **Walter Crackel**, veterinary biosciences, was named a finalist.

The Graham award went to **Steve Fay**, veterinary pathobiology. Awarded annually since 1957, this honor goes to a staff employee who has made outstanding contributions to the College. Also nominated were **Patricia Gothard**, veterinary clinical medicine, and **Shirley Seets**, veterinary administration.

Additional Presentations

Members of the Chicago Veterinary Medical Association who graduated from the College of Veterinary Medicine in the past two years selected **Dr. Barbara Kitchell**, veterinary clinical medicine, for the association's Outstanding Instructor Award. It consists of a \$1,500 grant to purchase equipment or materials for the award winner's field of choice.

Geoffrey Smith, graduate student in veterinary pathobiology, won the \$1,500 Dr. Paul B. Doby Award for outstanding infectious disease research applicable to the livestock industry. **Michael Cieslewicz**, also a graduate student in veterinary pathobiology, was honored as a finalist.

Cieslewicz also received the Dr. Joseph O. Alberts Award. Created in memory of a former head of the veterinary pathobiology department, this award consisting of a certificate and \$100 check is presented on the basis of faculty nominations, an outstanding record, and a research paper.

Cieslewicz was also a co-recipient, along with **Dr. Nicole Vanderheyden**, of the Mariangela and Diego Segre Research Fellowship. The \$1,500 fellowships are awarded to outstanding

graduate students in the veterinary pathobiology department who demonstrate excellence in academic studies and research activities.

The Helen and Norman Levine Award recognizes research productivity and excellence among young faculty at the College. Co-winners of the 1996 Levine award were **Drs. Peter Constable** and **Dawn Morin**, both with veterinary clinical medicine. Each winner received a \$250 check and a certificate.

The MSD AgVet Award for Educational Creativity went to **Dr. Jo Ann Eurell**, veterinary biosciences, and Janet Sinn-Hanlon, of the Beckman Institute, for their project entitled "A Three-Dimensional Atlas for Veterinary Developmental Anatomy." This competition internal to the College carries a \$1,000 award.

Dr. Walter Hoffmann, veterinary pathobiology, won the Pfizer Animal Health Award for Research Excellence. It is presented to a faculty member for research that shows promise of attaining or that has attained national recognition. He received a \$1,000 check and a plaque.

Recognition of Service

Faculty, academic professionals, and staff members who marked anniversaries of service during fiscal year 1996 received a custom-designed gold pin featuring the College's logo. At 10 years of service and multiples of five years thereafter, a 2.0 mm diamond is added to the pin. College service awardees are designated CVM below. University of Illinois Service Awards, designated UI below, were also presented at the banquet.



Michael Cieslewicz



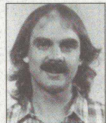
Dr. Peter Constable



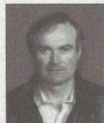
Dr. Roberto Docampo



Dr. Jo Ann Eurell



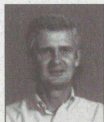
Steve Fay



Dr. David Freeman



Dr. Elizabeth Greeley



Dr. Walter Hoffmann



Dr. Barbara Kitchell



Dr. Ted Lock



Dr. Dawn Morin



Dr. Allan Paul



Geoffrey Smith



Dr. Nicole Vanderheyden

Veterinary Administration

5 years Kerry Helms (UI and CVM)
Dr. Robert Murnane (CVM)
Terry Whitman (UI and CVM)

10 years Elizabeth Erwin (UI and CVM)
Judy Mewes (UI and CVM)
Kate Nofftz (CVM)

15 years David Arnold (UI and CVM)
Dee Bergman (UI and CVM)
Kevin Grice (CVM)
Dr. Allan Paul (CVM)
Misty Thompson (UI)

25 years Sandra Drysdale (CVM)
David Pryor (CVM)
Terry Rathgeber (CVM)

Veterinary Biosciences

5 years Dr. David Bunick (CVM)
Susan Kingston (CVM)
Joan Thompson (CVM)

10 years Dr. Jo Ann Eurell (CVM)
Dr. Thomas Eurell (CVM)
Dr. Rex Hess (CVM)
Sharon Meachum (CVM)
Pat Porter (CVM)
Dr. David Schaeffer (CVM)
Cindy Stauffer (CVM)
Dr. Michael Tumbleson (CVM)

20 years Walter Crackel (CVM)
Dr. Kenneth Holmes (CVM)
Dr. Gary Koritz (CVM)

25 years Harley Dawson (UI and CVM)
Dr. Larry Hansen (CVM)

Veterinary Clinical Medicine

5 years Truth Callison (CVM)
Dr. Robert Clarkon (CVM)
Steve Haines (UI and CVM)
Julie Hedrick (UI and CVM)
Dr. Dawn Morin (CVM)
Dr. Clifford Shipley (CVM)
Thomas Wakefield (CVM)

10 years Jean Fisher (UI and CVM)
Kimberly Kensell (CVM)
Mark Millsap (CVM)
Dr. David Sisson (CVM)
Gary Spaulding (UI and CVM)

15 years Dr. Gordon Baker (CVM)
Kelley Graves-Millsap (UI and CVM)
Barbara Huffman (CVM)
Dr. Ann Johnson (CVM)
Marie Pickens (CVM)

20 years James Kobel (UI and CVM)
Dr. Randall Ott (CVM)

David Roth (UI and CVM)
Rebecca Strater (UI and CVM)

25 years Dr. Alan Parker (CVM)

30 years Peggy Wyatt (UI and CVM)

Veterinary Pathobiology

5 years Dr. George Foley (CVM)
William Hanafin (CVM)

10 years Elizabeth Greeley (CVM)
Dr. Gail Scherba (CVM)

15 years Dr. Howard Gelberg (CVM)
Dr. Edwin Hahn (CVM)
Rose Ann Meccoli (CVM)
Julie Thomas (UI)

25 years Dr. Walter Hoffmann (CVM)

35 years John Neff (UI and CVM)

Retiree Honored

Veterinary Administration

Dr. Gene Zinn

The awards and ceremony are partially funded by donations to the Veterinary Achievement Fund.

News of Alumni and Friends

■ **Col. Salvatore M. Cirone, DVM (IL 66)**, retired and received the Defense Superior Service

Medal last August after serving more than 29 years with the U.S. Army Veterinary Corps, most recently as director in the Office of the Assistant Secretary of Defense. His work has included establishing procedures for DNA identification of human remains from war and civilian casualties (such as the TWA Flight 800 crash) and developing the Navy's registry for bone marrow donors.

■ **Dr. David A. Rhoda (IL 66)**

received the Meritorious Service Award at the Wisconsin Veterinary Medical Association's annual convention on October 19, 1996. He is a partner in and practices dairy production medicine with the Evansville Veterinary Service.

■ **Dr. Mel Balk (IL 69)**, Chester, New Hampshire, completed the Tuck Executive Program for Senior Executives, a one-month course that looks at major business disciplines within the context of strategic management, at Dartmouth College last summer.

■ **Col. Gary L. Stamp, DVM (IL 70)**, was honored in 1996 with the Ira M. Zaslow Distinguished Service Award from the Veterinary Emergency and Critical Care Society. Col. Stamp was also recently awarded the Legion of Merit, the nation's fifth highest medal.

■ **Dr. Dennis J. Ovitsky (IL 77)** is the owner of Allen Heights Veterinary Hospital in Pittsfield, Massachusetts, which was named one of nine national Practices of Excellence by *Veterinary Economics* magazine. The award signifies achievement in practice mission, client relations, practice management, quality of medicine and surgery, staff relations, and community and personal involvement.

■ **Dr. Harry A. Reynolds, Jr.**, professor emeritus of veterinary pathology at the University of Illinois College of Veterinary Medicine, died at the age of 68 on December 6, 1996, in his home in Champaign, Illinois. Dr. Reynolds had retired in 1991, after more than 30 years on the faculty. After completing veterinary education at the University of Pennsylvania, he earned master's (1963) and doctoral (1966) degrees in pathology from the University of Illinois. He also served in the Marine Corps in World War II.

Dr. Reynolds was a breeder of champion German short-haired

■ The Chicago Veterinary Medical Association honored three of its members at a January 25 ceremony to install new officers. **Dr. Erwin Small (IL 57)**, associate dean for alumni and public affairs and professor emeritus at the College of Veterinary Medicine, received the Lifetime Achievement Award. **Dr. Russell Chapin (ISU 61)** received the Merit Award, and **Dr. Raymond Wise (PUR 71)** was given the President's Award.



■ Fourteen members of the Class of 1956 and their spouses celebrated their 40-year reunion at the College of Veterinary Medicine November 1. *From left: Drs. Ted Valli, Merrill Ottwein, Robert Morris, Robert Kern, Charles Lewis, Robert Twardock,*

David McConnell, Richard Brown, William Hopkins, Phil Hobson, Tom Maudlin, Al Griffiths, Gordon Iverson, Marlin Kleckner, Robert Dodson, and Erwin Small.

■ The Class of 1960 held its 36th reunion in Quincy, Illinois, September 27 through 29. Attending with their wives were **Drs. Charles Brown, Kermit Frailley, Melvin Geiger, Harold James, Ray Matthews, David Rash, Donald**



Reeder, Harley Schnowske, Roger Stephens, Virden Trotter, Phillip Watson, and Byford Wood, as well as **Dr. Charles Starling** and the event's hosts, **Dr. and Mrs. Joseph Musolino**. Activities included fine dining, a walking tour of Quincy's historic homes and museum, and a community theater production.

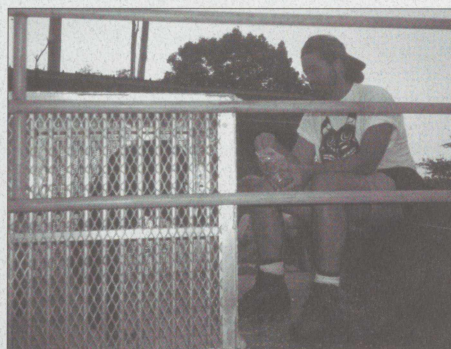
■ New officers for 1997 were elected at the winter meeting of the Eastern Illinois Veterinary Medicine Association. They are **Dr. Debra Thomas-Rotz (MSU 79)**, president; **Dr. Greg Mauck (IL 86)**, president-elect; and **Dr. John Penning III (IL 92)**, secretary/treasurer. **Dr. Gavin Meerdink (ISU 70)** is the immediate past president, and **Dr. Tom Eurell (FLA 83)** and **Dr. Delores Lipton (IL 79)** were named representatives to the Illinois State Veterinary Medicine Association.

■ **Dr. Douglas C. Andrews (IL 79)**, Portland, Maine, has been elected president of the New England Veterinary Medical Association and is organizing that group's Fall Foliage Meeting, to be held September 28 through 30, 1997, in Bethel, Maine. Speakers will include **Drs. Steven M. Fox (IL 80)** and **Richard Deboves (IL 79)**. For more information, call 207/797-9175.

pointers and produced national all-age champions in 1971 and 1977, as well as an American Kennel Club field champion. In 1988, he was inducted into the hall of fame of the German Short-haired Pointer Club of America.

■ **Philip Zand (IL 59)**, of Highland Park, Illinois, died on January 7. He was the owner of Golf Mill Animal Hospital in Niles. He is survived by his wife, Dr. Frances-Lee Zand, and three sons.

In Memoriam



■ **Dr. Darin Collins (IL 87)**, associate veterinarian at the Woodland Park Zoo in Seattle, Washington, was part of a team that traveled to Sepilok Forest Reserve in Borneo last year to escort ten confiscated Malaysian sun bears back to the United States, where they were dispersed in pairs to five metropolitan zoos. Sun bears are an endangered species, but the bears brought to the U.S. were ones that had been captured for the pet trade and therefore were unsuited to living in the wild. The bears had been turned over to the reserve when their owners could no longer manage them.

■ **Dr. Rand S. Wachsstock (IL 84)** owns and operates the Springfield (Virginia) Emergency Veterinary Hospital and is a cofounder of Radiocat, a veterinary practice with offices in four states dedicated exclusively to the care and treatment of feline hyperthyroidism. Radiocat has a Web site at www.radiocat.com. Dr. Wachsstock and his wife, Paula, have three children, Joe, Aaron, and Aliya.



■ **Dr. Joseph Harari, ACVS**, has been named chief of surgery at the Rowley Memorial Animal Hospital in Springfield, Massachusetts. Dr. Harari was

a small animal surgery resident at the University of Illinois Veterinary Medicine Teaching Hospital between 1982 and 1985 and had most recently worked as associate professor of surgery at Washington State University College of Veterinary Medicine.

■ **Dr. Petra Volmer (IL 86)**, a toxicology graduate student in the College's department of veterinary biosciences, has been certified as a Diplomate of the American Board of Toxicology.

■ **Drs. Krista (IL 89)** and **Gregg Scoggins (IL 90)** announce the birth of their first child, Jonathan Alan, on January 20. The family lives in Ashland, Virginia.

■ **Capt. Randy H. Turek, DVM (IL 91)**, received the Meritorious Service Medal for his superior leadership and knowledge as chief of the Yokota Branch (Japan) of the Army's Veterinary Service. He is now the commander of the 79th Medical Detachment in Belgium.



College Briefs

■ **Dr. Gordon Baker**, veterinary clinical medicine and chief of staff of the Large Animal Clinic,

was one of two presenters at a 4-day seminar entitled Equine Dental Surgery held in Hawkesbury, New South Wales, Australia, October 16 to 19, 1996. The course was organized by the University of Sydney Post Graduate Foundation in Veterinary Science.

■ **Dr. Roberto Docampo**, veterinary pathobiology, is currently serving as the vice chairperson of the research policy and allocations committee of the Illinois affiliate of the American Heart Association.

■ The Conference of Research Workers in Animal Diseases honored Professor Emeritus **Lyle E. Hanson** by dedicating its 77th Annual Meeting, held in Chicago in November 1996, to him. Since 1974, the group has dedicated its annual meeting to a

life member of the organization who has made outstanding contributions to CRWAD and to animal disease research. Dr. Hanson served Illinois's College of Veterinary Medicine from 1950 to 1985, the last 6 years as associate dean for veterinary research and graduate training. His research has focused on Leptospirosis, a zoonotic disease that impacts the cattle and swine industries.

■ In June and July last year, **Dr. Rex A. Hess**, veterinary biosciences and director of the Center for Microscopy and Imaging, was an invited speaker on reproductive issues at Pfizer, Inc., in Amboise, France; at Monash Medical Centre, Clayton, Victoria, Australia; and at the Gordon Research Conference on Reproductive Tract Biology held at Plymouth State College, Plymouth, New Hampshire. In November he made presentations at the Philippe Laudat Conferences in Aix-le-Bains, France; at Westfälische

Wilhelms-Universität, Münster, Germany; and at the Université de Rennes, Rennes, France.

With Dr. Marion Miller, of the University of California, Davis, Dr. Hess recently received funding for a National Institutes of Health grant entitled "Microtubules in testicular toxicity of carbendazim."

■ **Dr. Ann Johnson**, veterinary clinical medicine, was elected president of the American College of Veterinary Surgeons at the group's annual surgical symposium, held in San Francisco last November. She will serve one year as president and one year as chair of the Board of Regents.

In December she traveled to Davos, Switzerland, and served as a faculty member of the AO/ASIF Basic Course in Small Animal Operative Fracture Treatment.

■ **Dr. Dawn Morin**, veterinary clinical medicine, is currently serving as chair of the Internal Medicine Credentials Committee of the American College of Veterinary Internal Medicine and vice-chair of the NE-112 Regional Project "Resistance to Mastitis in Dairy Cattle."

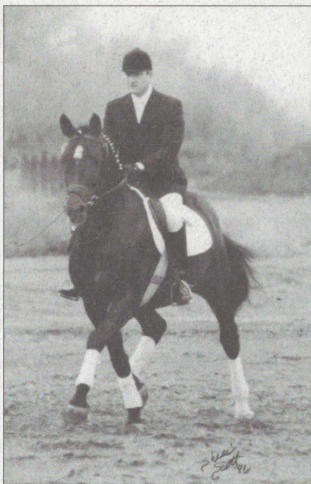
■ **Dr. Deoki Tripathy**, veterinary pathobiology, spoke on poultry vaccines at the 20th World Poultry Congress in New Delhi, India, last September.

■ In December 1996, **Dr. A. Robert Twardock**, veterinary clinical medicine and chair of the division of nuclear medicine, spent two weeks in England and Scotland, where he gave lectures and wet labs at a 3-day Veterinary Nuclear Medicine course in Cambridge and presented at the annual meeting of the British Equine Veterinary Association in London. He also visited **Dr. Mark Martinelli**, who received his equine residency training at Illinois, at the veterinary school and the Weipers Centre for Equine Welfare, Glasgow, Scotland, which has recently opened a gamma camera scintigraphy facility.

■ **Dr. Eric Vimr**, veterinary pathobiology, gave oral and poster presentations at the First Australasian Conference on the chemistry and biochemistry of sialic acid-recognizing proteins, held in Melbourne, Australia, last fall.

■ **Dr. Federico Zuckermann**, veterinary pathobiology, was an invited speaker at the 31st National Congress of the Mexican Association of Swine Practitioners and subsequently took part in an international panel for a news conference on vaccination strategies against PrV. He also spoke at a symposium in Cairns, Australia, entitled "Cytokines and the Type I Type II Paradigm."

College Trakehner Excels in International Test



Troy, a 12-year-old Trakehner stallion owned by the College, received lifetime approval as a breeding stallion from the International Sporthorse Registry last November, after completing the ISR's 100-Day Test with flying colors.

"These results will increase his desirability as a breeding stallion and make his availability more widely known throughout the warmblood industry," says Dr. Ted Lock, professor of veterinary clinical medicine and specialist in reproductive medicine.

The ISR is an open registry for all warmblood sporthorses. Its 100-Day Test, offered annually in North America since 1986, is modeled after similar tests that have been performed in Europe for 50 years. Stallions are judged on character, temperament, ability and willingness to work, jumping skills, movement, and performance.

To achieve the ISR's lifetime approval rating, stallions must score at least 80

points. Troy's score of 103.2 put him sixth in the field of fourteen stallions in the 1996 test.

Troy is one of 17 Trakehners received by the College in 1995 from the estate of Edith Kosterka of Wayne, Illinois. The equine reproductive training program, directed by Dr. Lock, involves the horses in veterinary student coursework and in workshops for veterinarians and horse owners.

Before coming to the College, Troy had received approval as a breeding stallion from the American Trakehner Association. "He was a well-recognized horse even before the ISR test," says Dr. Lock. "This spring there'll be around a dozen foals sired by Troy, including two from our own mares and others as far away as California and Tennessee."

Troy, by Amiego out of Traumfee by Morgenglanz, will be standing at the College's Urbana facilities. Transported semen is also available.

Troy, a College stallion, was evaluated on jumping skills and many other factors in the 100-Day Test last fall.

SHERI SCOTT PHOTOGRAPHY

Meet the Editor



In December, **Chris Beuoy** (rhymes with Louie) came on board as College editor and staff associate. In addition to working on the newsletter and other print communications, she is responsible for publicity and media relations and will play a role in Open House, Fall Conference, and other outreach activities, including the College Web site.

"I'm looking forward to a long

relationship with the people of this College," she says. "I want to get to know the students, faculty, staff, alumni, and practitioners in the state. Call, write, send e-mail, say 'hi' at Open House—tell me your news!"

Work experience with a peer-reviewed journal at the American Dietetic Association and, most recently, with public affairs at the Urbana campus of the University of Illinois helped prepare her for this challenging position at a science-based professional school. Her dog, Madeline, provides additional advice and insights.

Send e-mail to beuoy@uiuc.edu.

800 Positions on Employment Database for 1996 Graduates

Dr. Ron Smith, professor of veterinary pathobiology and director of medical informatics, has updated the College's student employment database, which is accessible from the College Web homepage at <http://www.cvm.uiuc.edu/>. The database contains 859 listings spanning the past year. To list position openings, contact Dr. Erwin Small, CVM Administration, 2001 S. Lincoln Ave., Urbana, IL 61802.

Students Selected as Industry Reps

Several companies have named student representatives for the current academic year. Among the students are **Linda Dolder** (VM-3), Hill's; **Staci Tanzuy** (VM-2), IAMS; **Jason Bollenbeck** (VM-3), Mallinckrodt; **Chris Kuster** (VM-3), Pfizer; **Amanda Thompson** (VM-2), Ralston Purina; **Kelly Kubski** (VM-2), Vet Med Pub Group; and **Valerie Schoen** (VM-4), **Nancy Buczek** (VM-3), **Dawn Oswald** (VM-2), and **Tina Villarete** (VM-1), all for Waltham.