Inside
2 From the Dean
6 Scott Building Dedicated
11 V.M.D. Notes
25 Feline Symposium
31 Dr. Deubler’s Birthday

The New Animal Bloodmobile

Page 4
A Message from the Dean

Despite the awful tragedy of September 11, 2001, anthrax threats to homeland security, Osama bin Laden, the down turn in the economy, Enron, WorldCom, and ImClone, it is nice to be in the position of reporting some very positive news: the School had a remarkably successful year.

We did exceptionally well in the State budget signed into law by the Governor in late June, ending up with an appropriation that was 5% above the amount appropriated in July 2001. Few other institutions of higher learning in the State were so blessed and I thank the Governor and General Assembly for their support and wonderful recognition of the importance of the School to Pennsylvania, especially to Pennsylvania agriculture. Now, we must do all we can to fulfill the expectations that accompany the State’s support; this includes advancing our programs in Global Information System mapping of the livestock and poultry industries in the Commonwealth, food safety, biosecurity, infectious disease research, and public health.

The School was also successful with its application for capital support from the National Center for Research Resources at NIH and has been awarded nearly $2 million towards the cost of the vivarium in the new Teaching and Research building. As a result of this infusion of funds, the School now has $39,850,000 in gifts and pledges towards the $48 million cost of the Teaching and Research Building; this is outstanding. It reaches a milestone that has gained the President’s and Provost’s approval to start the process of selecting an architect and commencing schematic design. This seems to me to be the fun part of the whole project. It will be orchestrated by a faculty Building Committee chaired by Dr. R. O. Davies. With the architect, the Committee must now come up with a design that is both functional and beautiful.

In terms of our fund-raising, this past year was a banner year. We set another record for new gifts and pledges with $13.4 million raised by June 30, 2002. In cash receipts, we had our second best year ever at $8.1 million. We were especially fortunate to attract significant new support for the Teaching and Research Building, securing $7.5 million in new commitments from individuals and private foundations. I am also very pleased to share with you that we raised more than $1 million in new current use and endowed scholarship support and thank the many donors who made these generous contributions to the School.

We were blessed with a beautiful day on June 29th for the dedication of the Scott Equine Sports Medicine Building at New Bolton Center. This is a magnificent addition of which our benefactors, the late Almira and Hardie Scott, would be proud. The building also holds some of the most distinguished names in horse racing and we are grateful for their great generosity to the School. In the evening, the School celebrated the 50th anniversary of New Bolton Center with a dinner followed by an excellent new video, On Any Given Day, that depicts “a day in the life of New Bolton Center.”

At the close of the evening I was very happy to have Betty Moran join me to make the announcement that Dr. Virginia Reef has been appointed to a newly endowed chair, The Lila Griswold and Mark Whittier Allam Chair in Medicine at New Bolton Center. Some 20 years ago, Betty gave the School funds that were invested and grew. Now they permit us to establish the new Chair. The appointment is especially fitting for Ginny as a world renowned equine cardiologist and Betty Moran has had an abiding interest in the topic, giving the funds to establish not only the original heart station in 1963, but the cardiology suite in the Moran Family Wing of the new Scott Building.

In research, the School also had an outstanding year. To mention a few of the faculty’s many accomplishments: Dr. Ralph Brinster’s work on male germ cell transplantation was reviewed in June in Science and was featured on the cover of this edition. Dr. Hans Scholer’s work published in Genes and Development, showing why cloning in animals is so unpredictable received world wide publicity, as did Dr. Ina Dobrinski’s recent paper in Nature on growing testicular tissue from pigs and goats on the back of immuno-compromised mice. Drs. James Lok and Edward Pearce received a $3 million grant from the Ellison Foundation for studying gene manipulation in nematode parasites, and Dr. Narayan Avadhani received a $500,000 grant from NIH to purchase state-of-the-art equipment for proteomics.

Finally, I am very pleased to share with you that we are at last making progress in revising the curriculum and have started phasing in the revisions this September for the freshman class. The number of hours students sit in class, passively listening to lectures in the first year is reduced. With the time made available, students have new opportunities for supervised training in the clinics to better understand the relevance of the basic sciences to clinical medicine. Changes with similar objectives will be phased into the second and third year curricula as the program evolves.

Now we have the challenge of doing as well in this new academic year.

Alan M. Kelly
The Gilbert S. Kahn Dean of Veterinary Medicine

Annual SCAVMA Auction

The annual Student Chapter of the American Veterinary Medical Association (SCAVMA) Auction will be held on Friday, December 6, 2002 in the E.R. Marookian, V.M.D. Auditorium at the Veterinary Hospital of the University of Pennsylvania. The event begins with a silent auction at 3:00 p.m., followed by the live auction at 5:00 p.m. Everyone is invited to support the auction!

The annual SCAVMA auction is a popular event for the entire School community. Proceeds from the silent auction help to fund student travel expenses to the annual National Student AVMA Symposium. Proceeds from the live auction help to fund SCAVMA events and the new SCAVMA Scholarship Program.

The mission of SCAVMA is to increase the quality of veterinary student life through educational, social and cultural extracurricular activities. For more information on the auction or to donate auction items, contact Ian J. Driben, V’05, Auction Co-Chairperson, via e-mail at <driben@mail.vet.upenn.edu>.
Teaching and Research Building News

Since the last time we reported on the funds for the Teaching and Research Building, we have raised $4.75 million for a total of $39,850,000.

Some gifts of note include at least $1.75 million from the National Center for Research Resources at NIH. The National Center for Research Resources (NCRR) was established in 1990 to advance biomedical research and improve human health through research projects and shared resources that create, develop, and provide a comprehensive range of human, animal, technological, and other resources. NCRR’s support is concentrated in four areas: biomedical technology, clinical research, comparative medicine, and research infrastructure.

Mrs. Patricia Billhardt contributed an additional gift of $250,000 for support of the 150-seat classroom that will bear her name. Pat Billhardt serves on the School’s Board of Overseers and has always been very supportive of our students. She established the Mrs. Jack L. Billhardt Dean’s Scholarship fund which supports several students each year.

John D. McCullough, V’43 and his wife, Dorothy, contributed $150,000 to name a public space in the new building. Dr. McCullough is one of the School’s most generous alumni and has supported the McCullough Research Fund at New Bolton Center.

Ms. Beverly R. Steinman contributed $100,000 through the James Hale Steinman Foundation for general support of the building. Ms. Steinman is a client at VHUP and is a generous supporter of the School’s activities each August at Saratoga, N.Y.

The dean has appointed a faculty building committee and the University has begun the process of selecting an architect.

Veterinary School Buildings in Philadelphia

- Quadrangle Building, 1907
- Gladys Hall Rosenthal Building, 1963
- Veterinary Hospital of the University of Pennsylvania, 1981
- Site of Teaching & Research Building Planned Groundbreaking, 2003

The Teaching and Research Building site is bounded by University, Woodland and Baltimore Avenues.
The new Animal Bloodmobile was unveiled at VHUP on May 7. It was made possible by a generous gift from the Wurster Family Foundation. Bogie, a Labrador retriever owned by members of the Wurster family, was a VHUP patient whose life was saved by numerous blood transfusions.

The new vehicle is impressive with a length of 24 ft., a width of 8 ft. 4 inches and a weight of 7 tons. The Animal Bloodmobile, custom-built to the specifications of the Penn Animal Blood Bank team, consists of a Ford chassis with a V-10 engine and a custom-built body. The vehicle is equipped with a hydraulic exam table, a scale, a holding cage, sink and ample counter space for equipment. There are seats for three people. The new vehicle has storage space, including a compartment accessible from the exterior for dog food that is given to the donor’s owners.

The new bloodmobile will be used for blood drives organized by breeders, dog clubs and veterinarians in the Delaware Valley. These drives are held two or three times a week. Blood is collected from 10 to 15 dogs that are brought by their owners. The donation takes just a few minutes and the dogs don’t mind the collection. They are rewarded with a treat of meaty dog food and lots of pats on the head. The blood is brought back to VHUP where it is processed and separated into its components such as red blood cells, plasma and clotting factors. One unit of blood helps more than one patient. The blood and blood products are typed and matched to ensure compatibility between donor and patient.

VHUP’s blood donor program has the motto “Pets Helping Pets” and began in 1987 to meet the need of the hospital’s critically ill patients. The Penn Animal Blood Bank has grown tremendously over the years; since its beginning more than 3,000 dogs have participated. Currently close to 1,000 dogs from the Delaware Valley are active donors. It is the largest voluntary canine blood donor program in the nation. The bloodmobile is a vital part of the hospital’s lifesaving treatments for patients. Each day, more than 10 blood transfusions are administered to VHUP’s patients.

To donate blood, a dog must be good-tempered, at least one year of age, weigh at least 50 lbs., be in excellent health and have current vaccination status. Those interested in having their dog donate blood should contact the Penn Animal Blood Bank at 215-573-7222.

Dr. Virginia Reef has been appointed the Mark Whittier and Lila Griswold Allam Professor of Equine Medicine at the School. “I am very pleased to make this announcement for Dr. Reef is a distinguished member of our faculty and one of the most accomplished equine cardiologists in the world,” said Dean Alan Kelly. “The new chair was made possible through Betty Moran’s generous investment in the School many years ago. It is the third endowed chair to go to a woman at the School.”

Dr. Reef joined Penn’s New Bolton Center in 1979 as an intern in large animal medicine and surgery after graduating from the College of Veterinary Medicine at The Ohio State University.

Following her internship and a residency in large animal medicine, she joined the faculty as a lecturer in medicine in 1982. She was appointed assistant professor in 1986, associate professor in 1990 and full professor in 1996. Dr. Reef was appointed to her current position as director of large animal cardiology in 1981. In 1995, she was appointed chief, Section of Sports Medicine and Imaging at New Bolton Center, and she is an executive board member of the Allam Center for Equine Sports Medicine at the School.

The Mark Whittier and Lila Griswold Allam Professorship in Equine Medicine is the 19th endowed professorship at the School.
The teaching awards at the School of Veterinary Medicine are always presented during the annual Student Government Dinner Dance. This year the Franklin Institute was the venue and 250 students, faculty, and staff came to celebrate the Veterinary Medical Student Government Teaching Awards and awards given by the dean.

Dean Alan M. Kelly presented the Dean’s Award for Leadership in Basic Sciences to Dr. Ronald Harty, assistant professor of microbiology. The Dean’s Award for Leadership in Clinical Science was presented to Dr. Amy Kapatkin, assistant professor of surgery. These two awards honor one faculty member each from the clinical departments and the basic science departments who have made outstanding contributions to the teaching their disciplines.

Dr. Kenneth Dobratz, associate professor of critical care medicine, received the Carl J. Norden Distinguished Teacher Award established in 1963 “to recognize outstanding teachers who, through their ability, dedication, character and leadership, contribute significantly to the advancement of the profession.”

The four classes honored the faculty members they considered to be outstanding teachers. The Class of 2002 presented awards to Dr. Corinne Sweeney, professor of medicine, and Dr. Amy Kapatkin. The Class of 2003 honored Dr. Patricia Sertich, associate professor of reproduction. Dr. Wilfried Weber, professor of pathology, received the Class of 2004 Award. The Class of 2005 presented its award to Dr. Robert Washabau, assistant professor of medicine.

Dr. Sweetney was also presented with the Veterinary Medical Alumni Society Excellence in Teaching Award. This annual award is based on the recommendations of recent graduates and is funded by VMAS.

The VHUP Interns Award was presented to Dr. Robert Washabau, Dr. Mary Beth Callan, assistant professor in medicine, received the Resident Award; the VHUP Jules and Lucy Silver Award was presented to Dr. Heidi Phillips, V’01 (NBC) and Dr. Daniel Hume (VHUP).

Technician: Roxanne Bachman (VHUP) and Emily Zug (NBC)

Faculty: Dr. Corinne Sweeney (NBC) and Dr. Amy Kapatkin (VHUP)

The Class of 2004 presented the Class of 2002 with the Boucher Award: Dr. Corrina Snook, V’99 (NBC)

Veterinary Medical Student Government Awards were presented to Jane Cohen (VHUP) and Jennifer Dunleavy (NBC).

The Senior Class (V’02) honored the following with the Senior Class Awards:

Dr. Corinna Snook (VHUP)

Dr. Matthew Nicholson (VHUP)

Intern: Dr. Heidi Phillips, V’01 (NBC) and Dr. Daniel Hume (VHUP)

Technician: Roxanne Bachman (VHUP) and Emily Zug (NBC)

Faculty: Dr. Corinne Sweeney (NBC) and Dr. Amy Kapatkin (VHUP)

Boucher Award: Dr. Corrina Snook, V’99 (NBC)
Scott Building Dedicated

The Scott Equine Sports Medicine Building was dedicated on a bright and sunny Saturday, June 29, at New Bolton Center. University President Judith Rodin cut the ribbon, officially opening the new building.

This important addition to New Bolton Center is located next to the Jeffords Treadmill and together these two buildings form the physical core of the Allam Center for Equine Sports Medicine, the equine sports medicine service, teaching, and research section at New Bolton Center. It is a timely response to the Center’s increasing case load generated by advances in equine veterinary imaging and ultrasound technology. Sport horses from all disciplines of equine competition (racing, show jumping, eventing, dressage, etc.) comprise the bulk of the Center’s patients.

The Scott Building, named in honor of the late Almira and Hardie Scott, houses the Section of Cardiology and Imaging under the direction of Dr. Virginia Reef, who has built a world wide reputation for excellence in this field. Here clinical patients are examined and sophisticated ultrasound imaging techniques are used, often in conjunction with a treadmill work-up.

In the research wing, the physiology laboratory is used by Dr. Eric Birks to expand his work on exercise physiology of the equine athlete and his studies of equine pulmonary hemorrhage.

The Scott Building was made possible through the generosity, loyalty and vision of many individuals and foundations who recognized the need for the building and responded enthusiastically.

The Scott Building is still being equipped with state-of-the-art diagnostic equipment and clinicians welcomed their first patients in early July.
Major Donors to the Scott Equine Sports Medicine Building
American Gold Cup
Estate of Louise B. Barclay
Archie W. & Grace Berry Foundation
Mrs. Sarah R. Bogdanovitch
Mr. and Mrs. Michael J. Burke
Chichester duPont Foundation
Carol Dolinskas, M.D.
Ms. Viola Ellison
Evening in Old Saratoga
Mrs. Henrietta George
Hanover Shoe Farms Foundation, Inc.
Hilltop Farm – ISR Inspection
Iron Spring Farm – c/o Ms. Mary Alice Malone/(Romer Foundation)
Mr. and Mrs. M. Roy Jackson
The Clara Jeffery Trust
Mr. and Mrs. William C. Lickle
Mrs. Jane duPont Lunger

Mrs. Jane MacElree
Mr. C. Taylor Marshall
Mr. and Mrs. Ellice McDonald
Mr. and Mrs. Herbert I. Moelis
Mrs. J. Maxwell Moran
Elizabeth R. Moran Charitable Trust
Mr. and Mrs. James M. Moran, Jr.
Estate of Ruth E. Moredock
Mrs. Henry D. Paxson
Mrs. Mary G. Rockefeller
Estate of Almira R. Scott
Mr. Bayard Sharp
Thomas & Nephele Wing Domencich Foundation, Inc.
Mrs. Jean P. Tilt
Thoroughbred Retirement Foundation Auction Account
Thoroughbred Charities of America
Estate of Gustav Veirman
Mr. and Mrs. William Wright

Major Donors to Equipment for the Scott Equine Sports Medicine Building
American Gold Cup
Mrs. Sarah R. Bogdanovitch
Chichester duPont Foundation
Clara Jeffrey Trust
Iron Spring Farm – c/o Mary Alice Malone/Reomer Foundation
Mr. and Mrs. M. Roy Jackson
Ms. Kathryn H. Johnston
Mr. and Mrs. Caesar P. Kimmel
Elizabeth R. Moran Charitable Trust
Mrs. Mary G. Rockefeller
Scott Annuity
Thoroughbred Charities of America
Three Chimneys Farm
2001 Saratoga Day at the Races
Dr. Cynthia Otto, associate professor of critical care medicine, was named “Veterinarian of the Year” by the Pennsylvania Veterinary Medical Association at the annual meeting in August at Hershey. Dr. Otto presented the Dr. Palace H. Seitz Memorial Lecture at the event.

Marsha Finkelman, bio-medical purchasing manager at VHUP, will take office as president of VTAAP (Veterinary Technicians and Assistants Association of Pennsylvania, Inc.) in January, 2003. She is also one of the organizers of the Academy of Veterinary Technician Anesthetists (AVTA) along with Ellen Lomastro, Wendy Curtis-Uhle, and Larry Nann. Ms. Finkelman is a member of an organizing committee for the 2004 AVMA convention to be held in Philadelphia.

Dr. Andrei Thomas-Tikhonenko, assistant professor of pathology, received a grant from the National Cancer Institute and National Institute of Allergy and Infectious Diseases to study the role of infection-induced, pro-inflammatory cytokines in suppression of B-lymphoma growth and neovascularization.

Dr. Helen Aceto, ’97, lecturer in animal health economics, participated in the National Resources Conservation Service’s Eastern Region Technical Workshop – Restoring and Managing the Stream Corridor. She presented a session on biosecurity and human health issues.

Dr. Adrian Morrison, professor of behavioral neuroscience, delivered the Fourth Annual Walter C. Randall Lecture on Biomedical Ethics at the annual meeting of the American Physiological Society in April in New Orleans. He also taught in a sleep disorders course for Italian physicians in Bertinoro, Italy. In June, The Sleep Research Society awarded him its Distinguished Scientist Award at its annual meeting in Seattle, where he also gave an invited lecture.

In August he spoke on the ethics of animal use in Seattle, where he also gave an invited lecture.

Dr. Andrew Wood, professor of veterinary radiology, Dr. Tobias Schwarz, lecturer in radiology, and Dr. Allison Zwingenberger, resident in radiology, attended the 9th Annual Scientific Conference of the European Association of Veterinary Diagnostic Imaging held in Murcia, Spain in July. Dr. Andrew Wood was the keynote speaker and presented three papers titled: “Sonography of Canine Splenic Nodules – Distinguishing Benign from Malignant,” “Equine Tendon and Ligament Sonography – Current State of the Art and Future Prospects,” and “Establishing Student Learning of Radiographic Interpretation.” Dr. Schwarz’s presentations were “Aneurysmal right auricle in two dogs” and “Advanced imaging in selected fish patients with colonic swelling” and Dr. Zwingenberger presented two papers “Helical Dual-Phase CT Angiography of the Normal Canine Hepatic Vasculature and Portal vein” and “Helical CT Angiography of Canine Portosystemic Shunts.” For her presentation, Dr. Zwingenberger received the award for the most outstanding presentation by a resident from the European College of Veterinary Diagnostic Imaging.

Dr. Darryl N. Biery became Emeritus Professor of Radiology on July 1, 2002.

Dr. Margaret Sleeper, ’93, assistant professor of cardiology, is the 4th alternate for the World Equestrian Games in Jerez, Spain (endurance).

Dr. Jorge Guerrero, adjunct professor of parasitology, was appointed to the Executive Board of the American Heartworm Society in May. He will be the director in charge of organizing the Heartworm Symposium of 2004 and will be organizing the continuing education programs for the society. He was elected to the Board of Directors of the Eastern States Veterinary Association and The North American Veterinary Conference. From August 5 to November 2 Dr. Guerrero serves as a visiting professor at the College of Veterinary Medicine of the Universidade Federal Fluminense in Niteroi, Rio de Janeiro, Brazil.

Dr. James Serpell, Marie A. Moore Associate Professor of Human Ethics and Animal Welfare, won an international competition for the best paper in Animal Studies with his essay “Beyond the Cute Response: Anthropomorphism and Anthropomorphic Selection.” The prize is publication of the essay in a special anniversary issue of the social sciences journal, Society & Animals, and a cash award.

Dr. Billy Smith, assistant professor of medicine, received a University Research Foundation Award for a project entitled “Improving Health and Productivity in Holstein Dairy Cows diagnosed with Twins: Evaluation of Feeding Strategies.”

Dr. Robert Eckroade, associate professor of poultry pathology, was awarded the Distinguished Alumnus Award during the University of Georgia College of Veterinary Medicine Annual Conference and Alumni Reunion in April.

Dr. Robert Eckroade is celebrating his 19th year as Secretary/Treasurer and CEO of the American Association of Avian Pathologists. In March, he presented a paper “Procedures for Movement of Commercial Poultry, Eggs and Poultry Products during a Foot and Mouth Disease (FMD) Outbreak” at the North Atlantic Poultry Health and Management Conference in Portsmouth, N.H. At the Western Poultry Disease Conference in Puerto Vallarta, Mexico in April 2002, Dr. Eckroade gave a presentation entitled “Geographical Information System Technology in the Pennsylvania Poultry Industry.” In April, Dr. Eckroade spearheaded an effort under the auspices of the United States Animal Health Institute.

Dr. Robert Eckroade, associate professor of poultry pathology, was awarded the Distinguished Alumnus Award during the University of Georgia College of Veterinary Medicine Annual Conference and Alumni Reunion in April.

In July he conducted the annual meetings of the American Association of Avian Pathologists during the AVMA convention in Nashville. Dr. Eckroade is celebrating his 19th year as Secretary/Treasurer and CEO of the American Association of Avian Pathologists. In March, he presented a paper “Procedures for Movement of Commercial Poultry, Eggs and Poultry Products during a Foot and Mouth Disease (FMD) Outbreak” at the North Atlantic Poultry Health and Management Conference in Portsmouth, N.H. At the Western Poultry Disease Conference in Puerto Vallarta, Mexico in April 2002, Dr. Eckroade gave a presentation entitled “Geographical Information System Technology in the Pennsylvania Poultry Industry.” In April, Dr. Eckroade spearheaded an effort under the auspices of the United States Animal Health Institute.
Association to organize a working group of Avian Influenza experts in San Antonio to address the problems of H5 and H7 Low Pathogenic Avian Influenza issues.

Dr. Sherrill Davison, V'83, associate professor of avian medicine, was accepted into the Wharton School Executive MBA program; classes began in May. In July, she conducted the Board Meeting for the American College of Poultry Veterinarians; she has held the position of Secretary/Treasurer for three years. Dr. Davison was awarded a two-year grant from U.S. Poultry and Egg Association to investigate “Mycoplasma Gallisepticum in Commercial Layers in Pennsylvania.” Dr. Eric Gingerich from the University of Georgia received a grant from the National Institutes of Health for work on germ plasm gondii."

Dr. Craig Clifford, resident in oncology, received a grant for a pilot study “Magnetic Resonance Imaging of Canine Splenic and Hepatic Lesions.” The grant was made by Mr. and Mrs. Joseph M. Field in memory of their dog Belinda.

Dr. Pamela Wilkins, assistant professor of medicine and reproduction, became board certified in the American College of Veterinary Emergency and Critical Care. Dr. Wilkins is now board certified in two specialties, The American College of Veterinary Internal Medicine and the American College of Veterinary Emergency and Critical Care. She is one of only eight active equine specialists in Veterinary Emergency and Critical Care in the United States. Dr. Wilkins presented eight hours of lecture on equine emergency and critical care at the SIVE (Society of Italian Equine Veterinarians) meeting in Italy in January 2002. She chaired the equine program at the International Veterinary Emergency and Critical Care Meeting in San Antonio in September.

Dr. Regina Turner, V'89, assistant professor of reproduction, presented an abstract at the 8th International Symposium on Equine Reproduction held in Fort Collins, Colo. Dr. Turner also was chair of the equine sessions at the Society for Theriogenology Annual Meeting held in Colorado Springs.

Dr. Bernd Driesen, assistant professor of anesthesiology, in April, spent a week as visiting professor in the anesthesia service of the Veterinary Medical University of Vienna, Austria and gave a presentation on the role of blood substitutes in the treatment of hemorrhagic shock. In May, he was invited by the Department of Anesthesiology, School of Medicine, University of California-Los Angeles, to present a “Proposal for the Development of an Applied Basic Sciences Program for the Study of Hemoglobin-based Oxygen Carriers.” In July, the School of Medicine at UCLA appointed Dr. Driesen as adjunct assistant professor of anesthesiology. Also in July, he gave a presentation entitled “Increase in systemic oxygen content by hemoglobin glutamer-200 (bovine; Oxyglobin®) – Promise or reality?” at the College of Veterinary Medicine, Department of Clinical Veterinary Medicine, University of Cambridge, United Kingdom.

Dr. Gerhard Schad, professor of parasitology, was elected to honorary membership in the World Association for the Advancement of Veterinary Parasitology. He was also elected to the Council of the American Society of Parasitologists.

Dr. Meryl Littman, V'75, associate professor of medicine, received a grant from the AKC Canine Health Foundation for “Longitudinal Field Studies of Families of Soft Coated Wheaten Terriers Affected with Protein-Losing Enteropathy and/or Protein-Losing Nephropathy and the Foundation of a DNA Bank.” The co-investigators are Dr. Paula Henthorn, associate professor of medical genetics and Dr. Urs Giger, Charlotte Newton Sheppard Professor of Medicine.

Dr. Ina Dobrinski, assistant professor of large animal reproduction, received a grant from the National Institutes of Health for work on germ cell transplantation in pigs.

Dr. Leszek Kubin, research associate professor in the Department of Animal Biology, received from the National Heart, Lung and Blood Institute a new four-year research grant to study the role of hypothalamus in the control of sleep and cardiorespiratory consequences of sleep loss; he also received another grant from the same Institute to organize the 8th International Symposium on Sleep & Breathing in Reykjavik, Iceland, May 31-June 2, 2002.

Dr. Christopher Hunter, associate professor of parasitology, received a large, new grant to study the “Early Immune Response to Toxoplasma gondii.”

Dr. Gail Smith, V'74, professor of orthopedic surgery, chair, Department of Clinical Studies-Philadelphia, and Dr. Amy Kapatkin, assistant professor of surgery, have co-authored a three-part series on hip dysplasia appearing in three successive issues in the Compendium starting July 2002. In July, Dr. Smith presented a scientific paper at the annual meeting of the European College of Veterinary Surgeons in Vienna, Austria.

Dr. Paula Henthorn, V'75, was awarded a grant for a pilot study “Magnetic Resonance Imaging of Canine Splenic and Hepatic Lesions.” The grant was made by Mr. and Mrs. Joseph M. Field in memory of their dog Belinda.

The Westminster Kennel Foundation Scholarship was awarded to Meredith Daly, V'03. Brett Begley, V'03 received the Dr. J. E. Salsbury Scholarship. The Alonzo Edminston Scholarship was awarded to Karen Mondzel, V'04. Jason Cordeiro, V'04 and Tony Ebling, V'03 each received the SCAVMA Community Service Grant; Tony Ebling also received a Wagner Rural Medicine Scholarship as did Amber Itle, V'03 and Rebecca Garabed, V'03. Kimberly Johnston, V'03, Mary Kwacz, V'03 and Christopher Ryan, V'03 each received a John and Maximillian Masley Scholarship. Ms. Kwacz also received a scholarship from the Union County Kennel Club and Christopher Ryan is the recipient of at Pfizer Animal Health Scholarship.

The Jay Jason Scholarship was awarded to James Nutt, V'04. The Rotary District 7450 awarded a scholarship to Emily Kuprion, V'03. Kimberly Johnston, V'03 was awarded a scholarship by Lloyd's Equine Research and Education Program. The Csaba Vedlik Scholarship was awarded to Anne Krogen, V'04. Jennifer Jones, V'03 and Aylin Attia, V'04 each received a Lois F. Fairchild Scholarship in Veterinary Public Service.

The Western States Scholarship was awarded to Karen Mondzel, V'04. Jason Cordeiro, V'04 and Tony Ebling, V'03 each received the SCAVMA Community Service Grant; Tony Ebling also received a Wagner Rural Medicine Scholarship as did Amber Itle, V'03 and Rebecca Garabed, V'03. Kimberly Johnston, V'03, Mary Kwacz, V'03 and Christopher Ryan, V'03 each received a John and Maximillian Masley Scholarship. Ms. Kwacz also received a scholarship from the Union County Kennel Club and Christopher Ryan is the recipient of at Pfizer Animal Health Scholarship.

The Jay Jason Scholarship was awarded to James Nutt, V'04. The Rotary District 7450 awarded a scholarship to Emily Kuprion, V'03. Kimberly Johnston, V'03 was awarded a scholarship by Lloyd's Equine Research and Education Program. The Csaba Vedlik Scholarship was awarded to Anne Krogen, V'04. Jennifer Jones, V'03 and Aylin Attia, V'04 each received a Lois F. Fairchild Scholarship in Veterinary Public Service.

The Jay Jason Scholarship was awarded to James Nutt, V'04. The Rotary District 7450 awarded a scholarship to Emily Kuprion, V'03. Kimberly Johnston, V'03 was awarded a scholarship by Lloyd's Equine Research and Education Program. The Csaba Vedlik Scholarship was awarded to Anne Krogen, V'04. Jennifer Jones, V'03 and Aylin Attia, V'04 each received a Lois F. Fairchild Scholarship in Veterinary Public Service.

The Jay Jason Scholarship was awarded to James Nutt, V'04. The Rotary District 7450 awarded a scholarship to Emily Kuprion, V'03. Kimberly Johnston, V'03 was awarded a scholarship by Lloyd's Equine Research and Education Program. The Csaba Vedlik Scholarship was awarded to Anne Krogen, V'04. Jennifer Jones, V'03 and Aylin Attia, V'04 each received a Lois F. Fairchild Scholarship in Veterinary Public Service.

The Jay Jason Scholarship was awarded to James Nutt, V'04. The Rotary District 7450 awarded a scholarship to Emily Kuprion, V'03. Kimberly Johnston, V'03 was awarded a scholarship by Lloyd's Equine Research and Education Program. The Csaba Vedlik Scholarship was awarded to Anne Krogen, V'04. Jennifer Jones, V'03 and Aylin Attia, V'04 each received a Lois F. Fairchild Scholarship in Veterinary Public Service.
Opportunity Scholarship Honors Constantine “George” Pournaras

Former students and residents have funded a new Opportunity Scholarship to honor Constantine “George” Pournaras, who worked at the School for more than 40 years. Pournaras learned about the creation of the scholarship shortly before he passed away on May 4, 2002.

At first, Pournaras worked in a variety of positions at the School, but he is best known for his service as an anesthetist at New Bolton Center. According to Dean Alan M. Kelly, “The scholarship is a wonderful tribute to George and his many contributions during his four decades of service to Penn. We will be forever grateful for the impact he had on caring for patients and on teaching students.”

The effort to create this living memorial to Pournaras was led by James V. Stewart, V’68. According to Dr. Stewart, “New Bolton Center was a defining influence in our lives and George Pournaras was an integral part of this process. The initiation of this Opportunity Scholarship prior to George’s death allowed us to reaffirm and restate our love for the program and the people who helped to make us who we are today.” The scholarship’s funders are:

- Jill Beech, V’72, The Georgina E. and Philip B. Hofmann Professor in Equine Medicine and Reproduction, New Bolton Center;
- Ronald J. Martens, D.V.M., Professor of Medicine and Coordinator of Equine Infectious Disease Program, Department of Large Animal Medicine and Surgery, College of Veterinary Medicine, Texas A&M University;
- William Moyer, D.V.M., Professor of Sports Medicine & Department Head, Department of Large Animal Medicine and Surgery, College of Veterinary Medicine, Texas A&M University;
- Dean W. Richardson, D.V.M., The Charles W. Raker Professor of Equine Surgery and Chief of Large Animal Surgery, New Bolton Center;
- James V. Stewart, V’68, Partner, Yerges, Stewart, Vallance & Associates, Laurel, Md.

According to Dr. Moyer, who first met Pournaras when he was an intern and resident and who later served on the New Bolton Center faculty from 1980 to 1993, “New Bolton Center, Dr. Charles Raker, and the myriad of dedicated folks like George have made such a positive and lasting contribution. The value of that collective contribution cannot be calculated but only estimated as being enormous. For me personally, it was a life enhancing experience.”

Linda L. Pournaras Alonzo, George’s daughter, expressed her family’s appreciation for the scholarship’s creation: “Growing up my father devoted his life to two things … New Bolton Center and his family. He taught us that hard work and family are the two most important things in life … when I received the phone call from Dr. Stewart informing me of the scholarship, fortunately my father was still alive, and I could not contain my joy and pride … I relayed to him what Dr. Stewart said to me that he touched their lives and made them better people, and that they wanted to do something in his honor to thank him.”

Established in 1998, the Opportunity Scholarship Program is designed to foster scholarship support and mentoring opportunities for students. The recipient of the Pournaras scholarship is Timothy Mann, V’06, a resident of Brooklyn, N.Y. He is a 1999 graduate of Hampshire College in Amherst, Mass., where he majored in Geography. He is interested in studying equine medicine at Penn.
Magic at Pimlico!

by Joan Capuzzi Giresi, C'86 V'98

If he were a betting man, Allen B. Wisner, V'65, probably wouldn't have taken the odds on the anonymous little colt that came into his clinic three years ago with a bum leg.

But Magic Weisner – whose owner, Nancy Alberts, named him after Wisner as a tribute to the doctor’s good medical care – healed up well and went on to success in two Triple Crown races.

The five-month-old colt, housed at a local farm in rural Maryland, presented to Wisner with acute lameness secondary to a septic fetlock joint. Wisner remembers him as being “a pleasant youngster to be around,” in contrast to most unweaned, unschooled – and generally fractious – foals.

Beyond this fleeting comparison, Wisner recalls little else of the bay: “He was just a plain brown wrapper.”

Wisner irrigated the colt’s joint and maintained him on intravenous antibiotics for three days at his clinic before sending him home on intramuscular antibiotics. Although the colt responded well, Wisner recalls, “I told (Alberts) that if she wanted to race him, she was going to need some luck because this was a severe problem that could interfere with his ability to become a racehorse.”

Magic got lucky. In 2002, after a promising start that included a handful of stakes victories, the gelding longshot – whose dam Alberts purchased for $1 when the filly was an unsound 2-year-old – took second in the Preakness Stakes, finishing just 3/4 of a length behind Kentucky Derby winner War Emblem, and fourth in the Belmont Stakes. This summer, Magic Weisner had his first graded stakes win in the Ohio Derby on July 20, and placed second again to War Emblem in the Haskell Invitational on August 4.

Wisner, who follows racing and once dabbled in the sport as a horse owner and breeder, was unaware of his former patient’s athletic prowess – and his name, Magic Weisner (a misspelling by Alberts of Wisner’s name) – until a veterinarian at Pimlico Race Course alerted him to the up-and-comer last winter.

“It’s been exciting to have a horse with these accomplishments named after me,” Wisner, 62, says of the tribute.

The distinction has also earned Wisner attention in the national and international press, Dean Alan M. Kelly recognized the accolade in a recent letter to Wisner: “Nancy Alberts’ choice to name Magic Weisner after you is a wonderful gesture of her gratitude for the care you provided him. We are proud of your honor and the recognition it will bring to the vital role veterinarians have in improving the health and welfare of horses.”

Born and raised in the deep horse country of Chestnut Ridge, Maryland, some 25 miles north of Baltimore, Wisner – whose father was a jockey and a trainer – spent his nascent days at the track. His happiest memory of his youth, he says, was “mixing hot mash for the horses in the wintertime.”

Young Wisner housed strays and, for as long as he can remember, dreamed of becoming a veterinarian. As a teenager, he learned to ride, and recalls being comforted by his being young enough and small enough – Wisner stands 5’2” today – to become a jockey if his veterinary pursuits faltered.

After completing a pre-veterinary science curriculum at Penn State University and the University of Maryland, Wisner began veterinary school. He says that the greatest career impact of his veterinary education at Penn came from “the guidance and contact I had with Dr. Charles Raker.”

After graduation, Wisner opened a mixed practice. He recollects these early days fondly.

“You pulled into someone’s driveway and you did anything from cutting a few calves or pigs to looking at the pet dog. And then the woman of the house offered you a hot apple pie to take home.”

Three years into mixed practice, Wisner decided to limit his work to equine medicine. “When you grow up around horses,” he explains, “they get into your system.”

In 1968, Wisner opened Green Glen Equine Center in Glen Rock, Pa., just north of the Maryland-Pennsylvania border. His practice, which now includes an office, a surgical facility and two treatment barns, is situated on the 75-acre property where he lives with his wife Carolyn, who runs the office.

Engaged in track work initially, Wisner was a sole practitioner for nearly two decades. Today, his casework consists mainly of farm horses, breeding and lameness exams. He employs other veterinarians, including his son, Wade, V’92.

While all three of Wisner’s sons pursued science careers, Wade is the only one to have followed in his dad’s veterinary footsteps. “Probably one of the best days in my life is when I found out I was going to be able to give Wade his vet school diploma,” says the elder Wisner.

When Wade joined the practice ten years back, he contributed his knowledge of newer medications and techniques like ultrasound and gastroscopy. While he enjoys the occasional opportunity to work alongside Wade in surgery, Wisner spends more than half of his 60-hour work week on the road making farm calls. He hopes to turn the reins over to his son in the next few years so that he can spend time on hobbies like hunting and bass fishing.

And certainly, Wisner plans to continue following the racing career of his other junior, Magic Weisner.

Editor’s note: Magic was treated at New Bolton Center in early September for West Nile virus. He is expected to make a full recovery and return to racing. D. Robert Vaillance, V’70, is Magic’s veterinarian at his home track, Laurel Park, in Laurel, Md.
Alumni Weekend 2002

On Saturday, May 11, many alumni and their guests enjoyed attending a variety of Alumni Weekend 2002 events this year on the School’s Philadelphia campus.

From the Veterinary Medical Alumni Society Annual Meeting to the Alumni Day Picnic with special visitor, University President Judith Rodin, CW’66, and from the Parade of Classes down Locust Walk to the Alumni Dinner Honoring the 2002 Reunion Classes at the University of Pennsylvania Museum, Alumni Weekend 2002 was an exciting time for alumni to return to Penn.

Save the date! Alumni Weekend 2003 and reunions for classes ending in “3” or “8” will be held on May 16-18.
Class of 1947: Lloyd B. Kornblatt and Jules Silver.


Class of 1967: Robert S. Goldstein, Carolyn Reed, Alan B. Schreier, and Jon A. Stokes.


To mark its 10th year reunion, the Class of 1992 donated its yearbook sale proceeds to help purchase a pulse oximeter for the new Isolation Unit in VHUP. Dean Kelly accepted the device from class members: Caroline L. Merchant, Marko R. Sima, and Dina A. Rovere.


Dean Kelly with Russell S. Edmonds, V’37, and his wife, Doris.


The Gerstenfeld Family: Traudi, Sheldon, V’68, and Tyler, C’05.
2002 Alumni Award of Merit Recipients

During the Annual Meeting of the Veterinary Medical Alumni Society (VMAS) of the University of Pennsylvania School of Veterinary Medicine on May 11, 2002, three alumni received a 2002 Alumni Award of Merit. They are:

**Dr. Calvin Moon,** a 1952 graduate. A resident of Allentown, N.J., he helped to establish the Columbus, N.J., Central Veterinary Hospital, and is a former president of the New Jersey Veterinary Medical Association. He has been honored with the New Jersey Distinguished Service Medal, the state’s highest military honor, for his service in the Submarine Service in the Pacific Theater during World War II.

**Dr. M. Phyllis Lose,** a 1957 graduate. A resident of Haines City, Fla., she owned Circle E Equine Hospital in Bensalem, Pa., and is a commission veterinarian at Tampa Bay Downs race track in Tampa, Fla. She is the author of several books including “Blessed Are The Broodmares” and “Blessed Are The Foals.”

**Dr. Lawrence T. Glickman,** a 1972 graduate. A resident of West Lafayette, Ind., he is Professor of Epidemiology and Public Health and Head of Section of Clinical Epidemiology, Department of Veterinary Pathobiology, Purdue University School of Veterinary Medicine. He has conducted studies that have focused on how animals can serve as sentinels of environmental health hazards to people.

The VMAS honors alumni who have made outstanding contributions to their profession and the School with the Alumni Award of Merit. The award is given annually to recognize distinguished graduates for their contributions that advance knowledge in biomedicine, promote the welfare of animals through public education of animal owners, and benefit society through civic activities which foster the advancement of the profession and the School’s good name.

---

**University of Pennsylvania**
School of Veterinary Medicine
Veterinary Medical Alumni Society

Salutes
Calvin Moon, V.M.D.
Class of 1952

For advancing veterinary care in your community by helping to establish the Columbus, N.J., Central Veterinary Hospital, which in 1976 was only the second central veterinary hospital in the Eastern United States.

For taking a leadership role in the New Jersey Veterinary Medical Association by serving as its president, and by serving on the scholarship committee of the New Jersey Veterinary Foundation.

For taking an active interest in your profession as an honor roll member of both the American Veterinary Medical Association and the New Jersey Veterinary Medical Association.

For your service to the community that promotes the good name of the School of Veterinary Medicine, most notably as a past president of the Rotary Club of Bordentown, N.J., and as a member of the Northern Burlington County, N.J., Regional High School Board of Education.

For being honored with the New Jersey Distinguished Service Medal, the state’s highest military honor, for your service in the Submarine Service in the Pacific Theater during World War II.

For being recognized by the School of Veterinary Medicine with its Centennial Award of Merit in 1984 for your outstanding contributions to veterinary medicine.

The Alumni Award of Merit is presented to you this 11th day of May 2002.

---

**University of Pennsylvania**
School of Veterinary Medicine
Veterinary Medical Alumni Society

Salutes
M. Phyllis Lose, V.M.D.
Class of 1957

For being a pioneer in the field of veterinary medicine as the first woman to: establish an equine-only practice; become a member of the American Association of Equine Practitioners; and be appointed the Official Veterinarian of the Devon Horse Show, the oldest and largest outdoor multi-breed horse competition in the United States.

For your landmark book, “Blessed Are The Broodmares,” which, when first published in 1978, was the only existing source to contain such a wide range of information on the care of the breeding of mare from mating, through gestation, to foaling and nursing, and on the care of the young horse. Your other books, “Blessed Are The Foals,” and your autobiography, “No Job For A Lady,” have advanced the knowledge of your fellow professionals, horse owners and breeders.

For your various research projects that have advanced the health and welfare of show, race, and pleasure horses.

For taking an active interest in your profession as a member of the American Veterinary Medical Association, the Pennsylvania Veterinary Medical Association, and the Association for Women Veterinarians.

The Alumni Award of Merit is presented to you this 11th day of May 2002.

---

**University of Pennsylvania**
School of Veterinary Medicine
Veterinary Medical Alumni Society

Salutes
Lawrence T. Glickman, V.M.D.
Class of 1972

For educating many veterinarians for more than 20 years in your faculty positions at various veterinary schools, most notably since 1988 as Professor of Epidemiology and Public Health and Head of Section of Clinical Epidemiology, Department of Veterinary Pathobiology, Purdue University School of Veterinary Medicine.

For your numerous honors that promote the School of Veterinary Medicine’s good name, including the Veterinary Student Government Award for Excellence in Teaching from your alma mater in 1987 and the Pfizer Research Excellence Award in 1997.

For your various research projects that have advanced the health and welfare of animals and humans, including how animals can serve as sentinels of environmental health hazards to people.

For your contributions to books, journals, and technical reports, which have advanced the knowledge of your fellow professionals and animal owners and breeders.

For your service to Purdue University by serving on its faculty senate and numerous academic committees.

The Alumni Award of Merit is presented to you this 11th day of May 2002.
Class Notes

1935

During the New Jersey Veterinary Medical Association’s annual meeting in March 2002, Amos W. Stults was honored with the Veterinary of the Year Award from the Central New Jersey VMA. He is an emeritus member and former president of the NJVMA. Dr. Stults is past director of Hopewell Veterinary Group, located in Hopewell, N.J., where his son, Amos W. Stults, Jr., V’73, practices.

1940

Martin M. Kaplan wrote The Pennsylvania Gazette that he is director of the Pugwash Conferences on Science and World Affairs office in Geneva. Pugwash, recipient of the 1995 Nobel Peace Prize, is an international scientific organization dedicated to reducing and eliminating the threat posed to humanity by nuclear weapons and war. Dr. Kaplan has been married since 1959 to Lenna, and they have two sons, Peter and Jeffrey, both doctors in the U.S.; their daughter, Alexa, and two grandchildren, Emma and Alex, live in France.

1945

Jack K. Robbins was honored by the California Thoroughbred Trainers with a dinner in April 2002 to benefit the Edwin J. Gregson Foundation, which provides scholarships for the children of California backstretch workers. A longtime equine practitioner at California racetracks, Dr. Robbins was recognized for his many contributions to the Thoroughbred horse racing industry.

1953

William A. Truban was profiled by the Virginia-Maryland Regional College of Veterinary Medicine (VMRCVM) in their Winter-Spring 2002 newsletter. Two sons, both VMRCVM graduates, followed in their father’s footsteps and are veterinarians. One son has taken over the Shenandoah Animal Hospital, which Dr. Truban started in Woodstock, Va., in the same year he graduated from Penn. Dr. Truban served in the Senate of Virginia for 21 years, including 15 years as Minority Leader. As a senator, he was instrumental in the establishment of the VMRCVM. Dr. Truban also has served as president of the Virginia Veterinary Medical Association and been honored as their Veterinarian of the Year.

1954

William M. Adams, Jr., e-mailed his own memories after reading the special New Bolton Center 50th Anniversary issue of Bellwether. Dr. Adams wrote, in part, “What a flood of wonderful memories you elicited. We certainly did not see clinical cases in those days at NBC but we were exposed to an exotic environment (as opposed to West Philly), flavored with a most sincere, dedicated faculty. . . . We all knew our class roll alphabetically and could spell it off in our sleep. We were always present because someone would say ‘here’ when your name was called. . . . There was, always, Dr. Boucher, a more dedicated, loyal Penn faculty member did not exist. My, how we responded to big B. He came down on us like a thundercloud if we did not give 100%. Another classmate, Bill Nehoda, and I went deer hunting that meant taking time off, skipping school that is. Well big B had no use for that. Dr. Boucher never forgot us at special chore time nor did he ever forgive us. However we became very good personal friends thereafter. . . . Dr. Marshak’s description of his first glimpse of the ‘antediluvian Quad’ brought to mind the time our five-year-old son was placed on the back of a huge drafter in Huidekoper Field. He promptly fell off but due to the amount of organic material in the Field he was not injured.”

1959

Todd Addis was also moved to write after reading the New Bolton Center 50th Anniversary issue of Bellwether. Dr. Addis reminisced about the senior year pranks of his class and those of the classmates of his father, Clarkson Addis, Sr., V’17. “My father’s classmates [outdid the pranks of my class] by the dismantlement of a professor’s carriage, moving it to the roof of [the Quadrangle Building] and reassembled it in the hitching position. I guess there was no safe place to tie the horse on the roof so they left him earthed,” wrote Dr. Addis.

Uri Bargai, professor emeritus at The Koret School of Veterinary Medicine of The Hebrew University of Jerusalem, wrote to Dean Kelly after receiving the special New Bolton Center 50th Anniversary issue of Bellwether. Dr. Bargai wrote, in part, “Reading the last Bellwether was exceptionally emotional to me. It arouse back all my memories from my days at the School, when we lived as students in the Farm House, later renamed the Allam House. These were the days when Bill Boucher, Bob Marshak, Charlie Raker, Dave Detweiler, and Jacques Jenny were our immediate teachers with whom we associated on a daily basis since there were only 37 students in the class.” He continued, “It was this issue of Bellwether which brought back to me the beginning of my 43 years of professional activity, and the spirit of my alma mater.”

1966

Barry N. Kellogg, team leader of Veterinary Medical Assistance Team (VMAT) 1, was honored with the other VMAT team leaders for aiding in the search-and-rescue efforts at Ground Zero in the wake of the September 11 terrorist attacks. The team leaders received the American Veterinary Medical Association’s (AVMA) President’s Award during its Annual Convention in July 2002. The award recognizes individuals and groups inside and outside veterinary medicine who have made a positive impact on animal, human or public health, veterinary organizations, and the profession. According to Dr. Kellogg, “We’re truly humbled and honored by this recognition. We had a chance to do something even if it was small, and for that we are grateful.”

During the Massachusetts Veterinary Medical Association’s annual meeting in May 2002, Dr. Kellogg was honored with a Merit Award for his dedication and leadership of VMAT-1.

1967

Lenn R. Harrison, director of the Livestock Disease Diagnostic Center (LDDC) at the University of Kentucky College of Agriculture, was quoted in the May 13, 2002, issue of The New York Times about Mare Reproductive Loss Syndrome (MRLS). The LDDC is charged with the diagnoses of animal diseases and performance of tests which safeguard the health of the animal population in Kentucky, and has played an active role in studying MRLS, a disease that has occurred among pregnant mares in central Kentucky and resulted in losses estimated at $336 million in 2001 for the Thoroughbred industry.

1968

Richard A. Mansmann was inducted in 2002 into the International Equine Veterinarians Hall of Fame. The Hall of Fame was created in 1997 by the American Farriers Journal to recognize veterinarians who have contributed (continued on page 18)
The Class of 2002 is the 117th graduating class of the School. On May 13, 72 women and 33 men took the Veterinarian’s Oath, bringing the total number of graduates to 5,834.

Dean Alan M. Kelly greeted the families and friends of the graduates in the Zellerbach Theatre at the Annenberg Center on campus. Board of Overseers Chair Christine Connelly addressed the graduates and the Commencement Address was delivered by Lester M. Crawford, D.V.M., Ph.D, the deputy commissioner of the Food and Drug Administration, United States Department of Health and Human Services. He is the first veterinarian to hold this position.

Dean Kelly, with the assistance of Dr. Ronald Harty and Dr. Amy Kapatkin, who each were honored in April with the Dean’s Award for Leadership in Education – Dr. Harty in basic science education and Dr. Kapatkin in clinical science education – and Associate Dean Jeffrey Wortman, V’69, presented the diplomas.

Class President Christine Bohn accepted the class flag from Dr. Robert Stewart, V’68, who represented the Veterinary Medical Alumni Society. Dr. Kenneth J. Drobatz, Carl J. Norden Distinguished Teacher Awardee, assisted the dean with the awarding of prizes. Pennsylvania Veterinary Medical Association President Dr. James R. Rummel, V’79, administered the Veterinarian’s Oath.

Dean, PVMA President Dr. Rummel and FDA Deputy Commissioner Dr. Crawford.
Class of 2002

Christina Lynn Anderson
Hadley Spencer Bagshaw
Szcze pan Wacław Baran
Alison Brady Beale†††
Christine Bohn
Kenyon Jeannette Brewer
Jeleen Johanna Angeles Briscoe
Tara Jean Britt
Micah Che Brodsky
Jon David Roy Calsyn
Vincent W. Carroll
David John Champaigne
Angie Lynn Shaffer Cheek
Catherine S. C. Cheng
Rosalind Siu-Y ee Chow
Joyce Kimberly Cohen
Michael Andrew Cohen
Sherri Sue Cokefair
Edward Serge Cooper
Sarah Newton D’Oench†
Liza Ivana Dadone
Edwin Wylie Darrin
Danalyn Marie Dess
Teri Lynn Drean
Marcilyn Frances Duman
Leo William Edgar
Julie Engiles†
Todd Charles Estelle
Amy Faulls
Tracy Anne Filler
Kristen Nicole Fischer+++†
Carol Frollo
Danielle Therese Frost
Rebecca Lynne Fulton
Melissa Christine Geedey†
Adam Craig Gerstein
Christopher John Gibson
Babee t Gladstein *
Kimberly Rust Goodrich†
Elizabeth Le Senne Gordan†††
Margaret Coates Gordon
Andrew Lee Greller
Steven Harry Gross
Jennifer Williams Gschwend
Aspen Alexis Hammond
Adrienne Hancock†
Amy Louise Hancock
Kendra Diane He ron
Jeffrey Jay Horst
Charlie Chun Hsu
Robert Alan Huddleston
John Alton Inkley
Rachael Joan Johnson†
Carlin Frances Jones
Heather Rachelle Jones
Megan Elizabeth Julian
Rachel Ann Kaufman
Angela Beth Keffer
James Stewart Kehler
Heather Elizabeth Kirchart
Erika Lauren Krick+++†
Kristin Margaret Kutscher
Sara Pola Langsam
William Richard LaSota
Patty Ann Lathan
Annette Marie LePère
Bryan Richard Lohr
Jeffrey John Luette
Heather Anne Lyons
Elin N edene Mairs††††
Katherine Suzanne Masek *+++†
Mary Blair McConnel
Paul Joseph McGough
Craig McLahan
Catherine Marie McManus
Amy Da e Nagy
Beth Ann Nebzydo ski
Tracy Elizabeth Norman+++†††
Kenneth Davidson Norris
Karen Theresa Oberthaler†††
Kristina Brager Olsen+++†
Amy-Lynn Parkman
Lisa Maria Pasquarello
Brooke Scott Piercy
Erica Lynn Reineke†††
Frieda Catherine Rest
Amanda Jo Rouen
Melissa Darleen Sánchez-Pillich *+++†††
Daniel Loren Schar
John Donald Schrank
Hillary Alison Sheipe-Oppenhein
Amy Bucher Shokek
Shari Cyd Silverman
John Daniel Sivick
Kevin Patrick Smith
Nancy Soares
Jennifer Ivy Sorowitz
Ian Brett Spiegel†††
Angela Christine Summers
Robin Christi Valentine
Lennie Rae Jeannett e Vangorder
Melinda Frank Waskow††
Steve Roger West
Kelly Patricia Yamada *
Brian Caffrey Young
*Indicates August 10, 2002 Graduates
December 21, 2001 Graduates
Jude Fiorini
Amy Elizabeth Matthews†
+++ Summa Cum Laude
+++ Magna Cum Laude
Cum Laude

Award Recipients

Leonard Pearson Prize
Nancy Soares
J.B. Lippincott Prize
Alison Brady Beale
1930 Class Prize in Surgery
Julie Engiles
Auxiliary to the American Veterinary Medical Association Prize
Christine Bohn
Faculty/Student Chapter, AVMA Prize
Alison Brady Beale
Phi Zeta Award
Katherine Suzanne Masek
American Animal Hospital Association Award
Kimberly Rust Goodrich
American Association of Feline Practitioners Award
Amanda Jo Rouen
American College of Veterinary Radiology Award
Hadley Spencer Bagshaw
American College of Veterinary Surgeons Prizes
Small Animal Surgery Prize
Alison Brady Beale
Large Animal Surgery Prize
John Daniel Sivick
American Society of Laboratory Animal Practitioners Student Award
Joyce Kimberly Cohen
Everingham Prize for Cardiology
David John Champaigne
Field Service Prize
Angie Lynn Shaffer Cheek
The Peter Francis Anatomy Award
Melissa Darleen Sánchez-Pillich
Hill’s Award
Amy-Lynn Parkman
Iams/VECCS Award for Excellence in Veterinary Emergency and Critical Care
Amy-Lynn Parkman
James Hazlitt Jones Prize in Biochemistry
Melissa Christine Geedey
Large Animal Medicine Prize
Sara Pola Langsam
Large Animal Surgery Prize
Tracy Elizabeth Norman
Merck Awards
Small Animal Award
Brian Caffrey Young
Large Animal Award
Julie Engiles
1956 Class Medal for Achievement in Pathology
Melissa Darleen Sánchez-Pillich
George M. Palmer Prize
Sarah Newton D’Oench
Pharmacia & Upjohn Awards
Small Animal Award
Margaret Coates Gordon
Large Animal Award
Kristina Brager Olsen
Charles F. Reid Sports Medicine and Imaging Award
Steven Harry Gross
Lynn Sammons Food Animal Award
John Alton Inkley
Morris L. Ziskind Prize in Food Animal Medicine
Christina Lynn Anderson
Morris L. Ziskind Prize in Public Health
Erika Lauren Krick
Patty Ann Lathan
Class Notes (continued from page 15)

to the knowledge and recognition of proper hoof care for horses. He was recognized for his outstanding accomplishments in equine hoof health. Dr. Mansmann has recently rejoined North Carolina State University College of Veterinary Medicine as clinical professor and director of the College’s new Equine Health Program. He is the co-author of the definitive book, *Equine Lameness*, which investigates therapy, the disease and treatment.

1971

Gerald E. Pietsch writes that that his son, Gregory, has just graduated from the University of Minnesota College of Veterinary Medicine and has accepted a one-year rotating internship in Atlanta. Dr. Pietsch’s daughter, Katherine, has just completed her first year at Tufts University School of Veterinary Medicine.

1972

During the Massachusetts Veterinary Medical Association’s annual meeting in May 2002, Paul C. Gambardella was honored with a Merit Award for his contributions to the profession and the human-animal bond through his commitment to MVMA and his work at Angell Memorial Hospital in Boston, most recently as chief of staff. Dr. Gambardella now serves as the director of Oradell Animal Hospital in Paramus, N.J.

1973

Midge Leitch was recently elected to a three-year term as the District II-Middle Atlantic director of the American Association of Equine Practitioners (AAEP). Dr. Leitch owns Londonderry Equine Clinic, a referral veterinary practice in Cochranville, Pa., where she specializes in the care of performance horses competing in dressage, driving, eventing, and jumping. She has been an AAEP member since 1974 and is co-facilitator of the Performance Horse Forum at the AAEP Annual Convention.

1974

R. Wayne Randolph was honored with induction as a Distinguished Practitioner in the National Academy of Practice in Veterinary Medicine of the National Academies of Practice (NAP) in April 2002. Founded in 1981, the NAP is an organization devoted to promoting quality health care for all through interdisciplinary practice, education and research. The NAP has participated in important healthcare public policy debates, and has promoted the field of interdisciplinary efforts through health policy forums and membership symposia, and through the creation of policy and position publications and papers.

Salvatore M. Zeitlin was profiled by the *Palm Beach Post* in July 2002. Dr. Zeitlin volunteers as the executive director and veterinarian at the Palm Beach Zoo in West Palm Beach, Fl. According to Dr. Zeitlin, “I am motivated and dedicated to do whatever I can to create the best possible zoo for this community.” He also continues a limited role in his former practice, VCA Palm Beach County Animal Hospital in Lake Worth, Fl.

1975

Raymond W. Stock has been selected as a 2002-03 American Veterinary Medical Association/American Veterinary Medical Foundation Congressional Science Fellow. Congressional Science Fellows serve for one year in Washington, D.C., as consultants, researchers, and scientific resources on the staffs of Members of Congress or Congressional Committees. Dr. Stock is an associate veterinarian at the VCA Northside Animal Hospital in Bethlehem, Pa., and is pursuing a Master of Bioethics Degree at Penn.

Sally Oblas Walshaw and her husband, Richard, who was a resident at VHUP in the mid-1970s, have left the Michigan State University College of Veterinary Medicine for the Atlantic Veterinary College at the University of Prince Edward Island. Sally serves as associate professor and Director of Animal Resources & Attending Veterinarian. Richard is professor of surgery in the Department of Companion Animals.

1978

Anna E. Worth was elected to the board of directors of the American Animal Hospital Association on March 27, 2002. Dr. Worth is the hospital director and owner of the West Mountain Animal Hospital located in Shaftsbury, Vt.

1979

Margaret Landi received the Charles River Prize from the American Veterinary Medical Association during its Annual Convention in July 2002. This prize is awarded by the Charles River Foundation to recognize distinguished contributions to the field of laboratory animal science by an AVMA member veterinarian. A worldwide vice-president of Laboratory Animal Science for Research and Development at GlaxoSmithKline, she provides guidance to over 400 professional staff members in six countries who work and care for animals. Dr. Landi helped to establish the first post-doctoral program in laboratory animal medicine at the company.

1980

Steven W. Atwood was profiled by *The Martha’s Vineyard Times* in May 2002. Dr. Atwood performed an emergency cesarean section on a five-year-old miniature horse. The surgery was conducted with the assistance of a gynecologist and in a barnyard, as there is no medical facility on Martha’s Vineyard to accommodate horses. According to Dr. Atwood, “It was as MASH as it could get.” He added, “To save any animal that could not be saved under any other circumstances is just wonderful.”

1982

Julia A. Langenberg was quoted in the August 7, 2002, edition of *The New York Times* about chronic wasting disease, the variant of mad cow disease, that has killed deer and elk in Wisconsin. Dr. Langenberg serves as the veterinarian and administrator of the deer testing program for the Wisconsin Department of Natural Resources.
1984

Gary A. Raiczyk is the owner of a new veterinary hospital, Plantation Pet Health Center, in Frisco, Texas. Dr. Raiczyk was remarried on August 15, 2001, and honeymooned with his new wife, Patti, in Jamaica. The veterinarian of Boudreaux, a bloodhound, Dr. Raiczyk nominated the dog for induction into the professional category of the Texas Animal Hall of Fame. Boudreaux was inducted in November 2001 by the Texas Veterinary Medical Association in recognition of his work as a K-9 member of the Search One Rescue Team, which serves the North Texas area. In September 2001, the American Kennel Club also honored Boudreaux with its Award for Canine Excellence as the top search and rescue dog of the year in the nation.

1985

Mary P. Ezzo-Meiers was profiled by The Philadelphia Inquirer in September 2002. In “Running is for the dogs – and a vet,” Dr. Ezzo-Meiers is interviewed about running with her dogs. “Just like people, dogs were meant to move,” she said. “If you don’t give them something to do, a way to release energy and relieve stress, they’ll go bananas and tear things up,” Dr. Ezzo-Meiers has run in every Philadelphia Distance Run, a half marathon, since the first race in 1977. She practices at Buck Road Animal Hospital in Holland, Pa.

Charles E. Rupprecht was quoted in the August 13, 2002, edition of The New York Times about federal and state efforts to eradicate rabies in the wild by dropping millions of vaccine-laced pieces of bait throughout the United States. Dr. Rupprecht is the chief of the rabies section at the Centers for Disease Control and Prevention.

During the Massachusetts Veterinary Medical Association’s annual meeting in May 2002, Elizabeth S. Sinnigen was honored with a Merit Award for her service to MVMA members for a number of years in a variety of capacities. In addition, she was recognized for tirelessly representing MVMA in the development of the Massachusetts Emergency Animal Response Team. Dr. Sinnigen has also, through private practice, worked to strengthen the human-animal bond with clients and contributed to colleagues’ development through mentoring and informal support.

Teresa J. Sylvina has been recently named Virginia Tech’s University Veterinarian and Director of the Office of Laboratory Animal Resources. She will also serve as an assistant professor in the Virginia-Maryland Regional College of Veterinary Medicine’s Department of Biomedical Sciences and Pathobiology. She received her Master’s of Public Health with an emphasis on international health from The Johns Hopkins University. Dr. Sylvina also earned a Humanitarian Assistance Certification from Johns Hopkins via a joint program their School of Hygiene and Public Health operates with the International Committee of the Red Cross. She is also board certified by the American College of Laboratory Animal Medicine.

1989

Nancy E. Brennan-Gorman was quoted in the June 2, 2002, edition of The New York Times, about Exogenous, a racehorse who died from an accident caused by spooking on the way to the gate in the Breeder’s Cup 2001. A win would have guaranteed her title as the best 3-year-old filly of last year’s racing season. Dr. Sue McDonnell, the founding head of The Have-meyer Equine Behavior Program at New Bolton Center, was also quoted in the article.

Shirley Yeo Llizo, V89, examining a one-week old giant anteater which is being hand raised at the Houston Zoo.

Shirley Yeo Llizo sent this class note via email: “After graduation, I worked in a small/exotic animal veterinary practice in Central New Jersey where I met my husband, Nestor Llizo. In May 1990, I was invited to be the veterinarian at the Singapore Zoo where I had worked before coming to America for my studies. I spent three exciting years in Singapore, where we got married, and lived on the zoo grounds. In April 1993, we returned to New Jersey, and a year later moved for my present job at the Houston Zoo. It has been, and still is, an exciting and rewarding career as a zoo veterinarian, working with such a variety of animals, many of which are endangered.

The excellent education, which I received at Penn, helped prepare me for this wonderful career. For anyone who wishes to contact me, my work number is (713) 533-6630 and my e-mail address is <syeollizo@juno.com>.”

Michele Ann Salata serves as secretary on the 2002-03 Massachusetts Veterinary Medical Association Executive Board.

1990

Peter L. Vogel is a new diplomate of the American College of Veterinary Surgeons. Dr. Vogel is a staff surgeon with the Southern California Veterinary Referral Group in Irvine, Calif.

1991

William P. Rives was profiled by The Philadelphia Inquirer in July 2002. Since 1993, Dr. Rives has served as the veterinarian at the 350-acre Six Flags Wild Safari in Ocean County, N.J. The park’s unique 4.5-mile drive-thru configuration makes it completely different from visiting a zoo, as animals can walk right up to vehicles. The park features 1,200 animals representing 52 exotic species. According to Dr. Rives, “I remember when the park got built,” in 1974. “I was a kid then, but I always wanted to be a vet,” said Rives. Before graduating from Penn, he worked at the park as a gatekeeper and seasonal warden.

1993

Mindy A. Cohan answers pet questions monthly on “Kids Corner,” a one-hour, call-in radio program for kids aged 7-16, which is produced at WXPN-FM, the non-commercial radio station of the University of Pennsylvania. Dr. Cohan practices at Old Marple Veterinary Hospital in Springfield, Pa.

1995

Kathryn E. Kropp was profiled in the Pottsville Republican & Evening Herald of Pottsville, Pa., in July 2002. She recently
Class Notes

returned to her hometown of Tamaqua, Pa., and opened her own practice, Companion Animal Hospital. “I’ve been really lucky, because I always knew what I wanted to do forever,” she said of becoming a veterinarian. According to Dr. Kropp, “I’ve always loved animals . . . You want to help them, but they don’t talk. They can’t tell you what’s wrong. You have to find out.”

1997

Richard A. Zappala II has been selected as a 2002-03 American Veterinary Medical Association/American Veterinary Medical Foundation Congressional Science Fellow. Dr. Zappala is an equine veterinarian, and is the founding partner of Pure Pride Spring Water, which donates a percentage of its proceeds to AIDS and community-related charities.

E. Scott Weber is the new head veterinarian at the New England Aquarium in Boston.

2001

Blayne P. Bergenstock and Adam D. Miller were married on October 13, 2001. Dr. Bergenstock practices at Kinzua Veterinary Clinic in Warren, Pa. Dr. Miller practices at Pine Haven Veterinary Clinic in Kane, Pa.

2002

Elizabeth L. Gordon married Stewart A. Ellis on June 1, 2002. She is an intern at The Animal Medical Center in New York City.

Alumni Connections

To find a former classmate and to sign-up for a permanent e-mail forwarding service:

Join the University of Pennsylvania Alumni Online Community for free at <www.alumniconnections.com/ocl/pub/UPN>. After you register, you can search the On-Line Directory, which is a great resource for personal and professional networking and an easy way to keep up-to-date on fellow alumni. You can also sign-up for a permanent e-mail forwarding service, which will forward messages received at your permanent Penn address to the e-mail address of your choice.

To update your alumni record:

You can update your record via the University of Pennsylvania Alumni Online Community On-Line Directory. You may also contact Elizabeth McNamara at (215) 746-7461 or via e-mail at <emcnamar@vet.upenn.edu>.

To make a gift or for information on supporting the School of Veterinary Medicine:

Make a gift with your credit card through a secure online transaction at <www.upenn.edu/gifts>. For information on supporting the School, visit the Alumni & Friends web site at <http://alumni.vet.upenn.edu> or contact Joshua E. Liss at (215) 898-1481 or via e-mail at <liss@vet.upenn.edu>.

To request a transcript, certification of graduation, or replacement diploma:

For information on requesting a transcript, visit the Office of the University Registrar’s web site at <www.upenn.edu/secretary/diplomas/diplomalist.html> or call (215) 898-7511. For information on requesting a certification of graduation, which does not require a transcript, contact the School’s Office of Student & Curricular Affairs at (215) 898-3525 or via e-mail at <student-affairs@vet.upenn.edu>. For information on ordering a replacement diploma, visit the Office of the Secretary’s web site at <www.upenn.edu/secretary/diplomas/diplomalist.html>.

To post/search employment opportunities for veterinarians:

Visit the School’s Veterinary Employment Database at <www.vet.upenn.edu/jobsearch>.

To obtain a Penn Alumni Card:

The Penn Alumni Card offers a myriad of benefits, including access to the Penn Libraries (does not include borrowing privileges or access to online resources) and discounts on admission to the Morris Arboretum, Class of 1923 Ice Rink, and University of Pennsylvania Museum. The charge for the card, which is valid for 10 years, is only $20. For more information, visit <www.upenn.edu/penncard/card/obtain_alumni.html>.

Alumni Relations and Annual Giving Staff

Joshua E. Liss
Director of Alumni Relations and Annual Giving
(215) 898-1481
Fax (215) 573-3544
E-mail <liss@vet.upenn.edu>

Elizabeth McNamara
Annual Giving Coordinator
(215) 746-7461
Fax (215) 573-3544
E-mail <emcnamar@vet.upenn.edu>

Please address any correspondence to:
Office of Development and Alumni Relations
University of Pennsylvania
School of Veterinary Medicine
3800 Spruce Street
Philadelphia, PA 19104-6047

Births

1995

Carolyn Mary Selavka, a daughter, Chloe Makenna, on March 25, 2002.

Deaths

1934


1937


1939


William Murphey on December 11, 1990.


1940

Raymond E. Kerlin, Jr. on June 12, 2002.

1943

Albert M. Berkelhammer on July 30, 2002.

Ellsworth Dougherty III on January 10, 2002.


John M. Liscomb on November 14, 1996.

John Edward Stefanick on April 18, 2002.

1945


1946

Cecilia D. Powers on April 17, 2002.

1947


Howard E. Markle, Sr. on April 27, 2002. Father of Howard E. Markle, Jr., V’80.
Faculty Favorites

*The Pennsylvania Gazette,* Penn’s alumni magazine, as part of its centennial celebration, asked alumni to write about the faculty member who most stimulated them during their years at Penn. *Charles D. Knecht, V’56,* wrote about *Mark A. Allam, V’32, HON’84,* who served as dean of the School of Veterinary Medicine from 1953-1973. An excerpt of Dr. Knecht’s response below was published in the May/June 2002 issue of the Gazette.

“Our arrival as first year students in Veterinary Medicine in 1952, we found a new dean who was a recent practitioner and an accomplished veterinary surgeon. Dean Mark W. Allam proved to be a remarkable surgeon, an entralling teacher, a unique administrator, a venerable fund-raiser and, most of all, a friend to all. I can still see him, although he was dean, hurrying into the lecture room from surgery and tying his bow tie as he lectured on the fine points of surgery. I can recall assisting him at the surgery table where no fault in instrumentation, technique or temperature of the irrigation saline was tolerated.

“In 1955-56, our class decided that faculty should be evaluated by students. As chair of the committee, I was joined by several WW II veteran classmates to present our findings and recommendations to the dean. Although unwarned, he accepted our analyses with grace, thanked us and promised improvements – a first for the School. In later years, Dean Allam developed the benchmark program at New Bolton Center, encouraged benefactors by driving the New Bolton Center horse drawn carriage at weddings and originated the American College of Veterinary Surgeons, in which I was later privileged to gain diplomacy and to serve as president as he did.

“In all of his roles as professor, surgeon, dean, assistant vice president for medical affairs and dean emeritus, Mark was joined by the charming and capable Lila in spreading the friendship of Penn. It is no wonder that so many of the children of my era at Penn are named Mark as is my eldest son. Who else could cook scrapple and eggs in the morning after a good night’s sleep in their home and consider us lifelong friends? Who else would exchange similar scrapple with a few pounds of Alabama pecans yearly without fail? And who could speak so plainly of the love for Penn, only second to the love for Lila, just a few days after her death and nearly hours before his?

“An excellent and memorable professor is not just that knowledge and foster thought, it is he or she who can relate his or her and your experiences to life – all of life, not just the few years of classical education. Dr. Mark Allam lived the life, taught the life and shared the life so that each of his students and later colleagues could carry the light of knowledge and dedication to others.”

**2003 Alumni Award of Merit Nominations Sought**

Nominations are being sought for three recipients of the 2003 Alumni Award of Merit, which will be presented at the Veterinary Medical Alumni Society (VMAS) Annual Meeting during Alumni Weekend 2003 on May 16-18. The VMAS honors alumni who have made outstanding contributions to their profession and the School with the Alumni Award of Merit. The award is given annually to recognize distinguished graduates for their contributions that advance knowledge in biomedicine, promote the welfare of animals through public education of animal owners, and benefit society through civic activities which foster the advancement of the profession and the School’s good name.

Eligible 2003 recipients are members of the classes that end in “3” or “8,” and who will be celebrating a five year reunion during Alumni Weekend 2003. Members of the VMAS Executive Board will select the recipients from the pool of nominees. Nominations are due no later than December 31, 2002.

For more information or if you have any questions, please contact Joshua E. Liss, Director of Alumni Relations and Annual Giving, at (215) 898-1481 or via e-mail at <lissj@vet.upenn.edu>. For a list of previous Alumni Award of Merit recipients, please visit <http://alumni.vet.upenn.edu/alumniawardofmerit.htm>.

To make a nomination, please send a letter explaining your reasons to:

Joshua E. Liss
Director of Alumni Relations and Annual Giving
University of Pennsylvania School of Veterinary Medicine
3800 Spruce Street
Philadelphia, PA 19104-6047

**AVMA Annual Convention Alumni Reception**

Nearly 100 School of Veterinary Medicine alumni and their guests attended an alumni reception during the American Veterinary Medical Association Annual Convention in Nashville on July 14, 2002. *Associate Dean Jeffrey A. Wortman, V’69,* welcomed everyone to the reception and spoke about the School’s current activities. Those in attendance were among the first to view *On Any Given Day,* a new 15-minute video that follows a day in the life of New Bolton Center. The video helps to mark New Bolton Center’s 50th anniversary, and it will be shown at alumni gatherings in the future.
Recent Grad Reflects on His Veterinary Education

by Patrick A. Mahaney, V’99

A 1999 University of Pennsylvania School of Veterinary Medicine graduate, I received an excellent clinical foundation on which to build my own methods of practice. Before I completed my first year, I recognized the value of my veterinary education. It has lived up to its potential, and its true value has no price tag. The critical thinking methodologies Penn emphasizes during the entire four-year education trains the future veterinarian to maintain multiple perspectives while thoroughly working up a case.

When I entered Penn, I anticipated going into general companion animal practice and hoped to specialize in a discipline. Before beginning my veterinary education, I worked as a veterinary technician in both general and emergency practices, which gave me an insight about the services offered by each type of practice. With a greater interest in emergency practice, I worked part-time as an overnight emergency surgery technician at the Veterinary Hospital of the University of Pennsylvania (VHUP), while a veterinary student.

This allowed me to gain additional experience with surgical situations I would potentially face as either a general or emergency practitioner. The practical experience also helped me to better understand the surgical theory I was learning in the classroom. My classmates who worked in other areas of VHUP also felt that their jobs enhanced their learning experience as a result of the hands-on exposure to subjects previously seen only in textbooks.

As I progressed through Penn and gained additional clinical experience, I developed an interest in diagnostic imaging and planned to pursue a radiology residency. To be considered for a residency, I had to first complete an internship program. Although the prospect of the rigors of an internship was daunting, I recognized the program’s ability to enhance my clinical skills and make me a better practitioner. In 2000, I completed a companion animal rotating internship at Friendship Hospital for Animals in Washington, D.C. Unfortunately, I was not accepted into radiology residencies that I applied for 2000-03.

Upon completion of the internship, I needed an alternative practice plan in order to continue gaining clinical experience. I entered general practice for approximately a year and a half, but desired to return to emergency medicine and surgery. Therefore, I accepted an emergency-only position at Metropolitan Emergency Animal Clinic (MEAC) in Rockville, Md. Emergency practice allows for more extensive use of the clinical education I began at Penn and sharpened during my internship. The heavy caseload requires quick assessment of clinical presentations, initiation of diagnostic modalities, and commencement of appropriate treatment protocols.

For the first time, I am truly enjoying clinical practice. This sense of fulfillment stems from the fact that I feel that each work shift is reminiscent of a continuing education seminar. Every time I go to work, I am faced with new learning opportunities and diagnostic challenges. In particular, I have effectively diagnosed and treated cases of hemopericardium and spontaneous bilateral pneumothorax.

The challenges are reminiscent of those I faced at VHUP, but I now enjoy the added pressures and responsibilities that once intimidated me as a student. Emergency practice does have qualities that make it less appealing than general practice to many veterinarians, including working odd hours and long shifts, and dealing with less-than-familiar case presentations and an intense work environment. General practice does hold advantages over emergency practice, as many of my classmates find enjoyment in working a regular daytime schedule, establishing a consistent client base, and promoting patient wellness through all stages of life.

The education my classmates and I received at Penn provided us with an excellent framework to the way we approach clinical cases. We feel that the faculty and staff emphasized the importance of taking a thorough history, performing organized physical exam, assessing each problem as part of a differential list, and developing a treatment plan. Following the Subjective, Objective, Assessment, Plan (SOAP) format when working up each case allows for visualization of the entire clinical picture, therefore treatment of the whole animal. They also stressed the significance of maintaining excellent medical records, as our records are truly representative of the way we practice. Keeping thorough medical records and SOAPing each case have become cornerstones of my practice style.

As each VHUP clinical rotation through a specific discipline was consistently busy, we “Penniews” had an advantage over our peers at other veterinary schools. To get the most out of each rotation, though, little time was available to focus on topics other than those relevant to the particular discipline. However, the pressure on us to multitask and manage our time helped develop skills applicable to any type of veterinary practice. In addition, I wished that our rotations required additional interaction with clients, either through actual contact or simulations.

Effective communication skills are not easily taught, but more emphasis on their development early in the education process could be advantageous to the new graduate upon entering clinical practice. The ability to communicate well stems from a clinician’s ability to convey a sense of both competence and trustworthiness. As my experience increases, I notice a similar increase in my client communication skills. At MEAC, the clients seeking emergency care for their pets are well...
educated and expect thorough diagnostic workups. I feel an obligation to increase client awareness by providing complete explanations of their pet's diagnostics, treatment, and prognosis.

Although I have reached my current position by taking a route different than the one I intended, the veterinary medical education that I received at Penn has greatly contributed to my satisfaction as a practitioner today. At this point, I am uncertain if I will reapply for a radiology residency, as emergency practice provides me with professional satisfaction and educational and financial compensation. Owning an emergency practice or specialty service will likely occur in my future, as I recognize the opportunities that business management offers in furthering my veterinary career.

Overall, my classmates and I feel that no veterinary degree program can provide enough education or experience to make a new graduate instantly competent as a veterinarian. The ability to succeed as a practitioner must come from within. Our successes come from our own desires combined with the strong veterinary education we received at Penn.

Patrick Mahaney is a veterinarian practicing emergency medicine and surgery in Rockville, Md. Patrick lives in Washington, D.C., and enjoys the city's many cultural offerings and yoga studios.

---

Sports Medicine Symposium for Equine Practitioners
Saturday, Nov. 16 and Sunday, November 17th, 2002

Registration/participation fee: $175: Saturday only; $200: Saturday plus Sunday wet labs.

November 16: Lecture Topics
Performance problems in the Race Horse - Dr. Ben Martin
Performance problems in the Sport Horse - Dr. Elizabeth Davidson
Cardiovascular Problems in the Equine Athlete - Dr. Virginia Reef
Obscure Lameness Problems in the Equine Athlete - Dr. Mike Ross
Exercise Physiology: What You Need to Know - Dr. Ric Birks
Evaluation of Cardiac Output and Myocardial Function in Exercising Horses - Dr. Mary Durando
Muscular Problems associated with Poor Performance - Dr. Jill Beech
Motion Correction for Standing Equine MRI - Dr. Lexi Lawrence
Suspensory desmitis and its response to treatment with high energy extracorporeal shock wave therapy - Dr. Olga Seco
Where we stand and where we are moving toward with respiratory surgery - Dr. Eric Parente
All presenters with exception of Dr. Mary Durando are New Bolton Center faculty/clinicians

November 17: Wet Labs
Station A - High speed treadmill demonstration
Station B - Endoscopic evaluation of upper airway dysfunction detected at speed
Case discussions at 2 stations - half of participants in each group
Station C - Lameness videos
Station D - Scintigraphic case evaluations
CE credits: 8 hours
Registration limited to 80 for Saturday sessions, 60 (max.) for Sunday wet labs

Saturday Sessions will be held in Woerner Amphitheatre, George D. Widener Hospital for Large Animals, New Bolton Center, Kennett Square, Pa.

Wet Labs to be held in the new Scott Equine Sports Medicine Building, Jeffords Treadmill Building, Scintigraphy station, New Bolton Center.

Please contact Office of Development, New Bolton Center, for detailed information and registration forms. Tel: 610-444-5800. ext. 2500 or email Patricia Hall at <phall@vet.upenn.edu>
Mice Become First Animals to Produce Other Species’ Sperm

By Stephen Bradt

With pinhead-sized grafts of testicular tissue from newborn mammals, scientists at the School have induced mice to produce fully functional sperm from evolutionarily distant species. The result has important implications for preserving the germ lines of critically endangered species as well as prized livestock.

The study, in which male mice produced functional gametes first from other mice and then from pigs and goats, is reported in the Aug. 15 issue of the journal Nature.

“This is the first report of complete spermatogenesis from tissue grafted across species,” said Dr. Ina Dobrinski, assistant professor of large animal reproduction in the School. “The production of functionally competent sperm from three different mammals indicates that testis tissue grafting may be applicable to a wide variety of species.”

The work also yielded the first functional sperm from immature reproductive tissue, meaning sperm could be derived even from individuals that have not reached sexual maturity. Unlike cryonic approaches to preservation, testis tissue grafting offers a potentially inexhaustible supply of male gametes.

Mice with the testis grafts could aid studies of the effects of drugs – including potential male contraceptives – on sperm production. The mice also give scientists a valuable model to better understand testicular function, many aspects of which remain murky.

Dobrinski and colleagues grafted as much as one cubic millimeter of tissue from the testes of newborn mice, goats and pigs onto the backs of newborn mice, goats and pigs. Some grafts grew more than 100-fold. “At least 60 percent of grafts grew into functional testis tissue under the skin,” Dobrinski said, “and those grafts produced as much sperm, gram for gram, as testes in the donor species. Some grafts grew more than 100-fold.”

Similar cross-species grafts of testicular tissue have been tried previously, but no sperm cells resulted. Dobrinski speculates that the mice’s backs may have provided both an ideal temperature and suitable blood vessels to allow for the growth of functional testes.

“Dr. Dobrinski is one of the few investigators attempting to remove testicular stem cells and transplant them into recipients,” said Michael D. Griswold, interim dean of science at Washington State University’s School of Molecular Biosciences, who was not involved in the work. “The fact that she can graft portions of testes from other mammalian species into mice and get sperm produced is an important step forward.”

The work also demonstrates that testosterone and other mammalian hormones can work across species, said David de Kretser, director of the Institute of Reproduction and Development at Monash University in Australia. “These data indicate that the hormones produced by the mouse are adequate to stimulate sperm production in a range of species.”

The work was funded by the National Institutes of Health, the U.S. Department of Agriculture, the Deutsche Forschungsgemeinschaft, the Marion Dilley and David George Jones Funds and the Commonwealth and General Assembly of Pennsylvania.

Dr. David Knight Dies

Dr. David Knight, Emeritus Professor of Cardiology, died on July 15. He suffered a heart attack while bicycling near his home. Dr. Knight had retired on June 30, 2001, after 34 years on the faculty. A 1962 graduate of Cornell University College of Veterinary Medicine, he came to Penn in 1964 to study at the then Division of Graduate Medicine and to join the School’s Comparative Vascular Studies Unit, which pioneered the study of veterinary cardiology. Dr. Knight’s primary research interests were pulmonary hypertension and heartworm disease. He was a charter member of the American College of Veterinary Internal Medicine, a member of the American Heart Association and the former president of the American Heartworm Society.

Before taking up bicycling two years ago, Dr. Knight was very involved in water sports. He rowed at Cornell and for Vesper Boat Club and the Bachelors Barge Club in Philadelphia. In 1964, he was an alternate on the U.S. Olympic team. He won the Masters World Championship in 1982 in the Netherlands with former Olympian John B. Kelly, Jr. In 1973 he won a gold medal in a world white water canoeing competition in Switzerland.

Dr. Knight is survived by his wife Krystina, sons Eric and Christopher and his father, Ernest, and a brother.

A memorial service was held on September 26th at Houston Hall.

The David S. Knight Memorial Fund has been established at the School.
Feline Symposium

The 25th Annual Feline Symposium was held on Saturday, March 23 at VHUP. The event was generously supported by Kal Kan Foods, Inc., Mrs. R.V. Clark, Jr. and Mrs. Edith Young. Following are summaries of the faculty presentations:

Feline Vaccinations

There’s that famous saying, “An ounce of prevention…” However, where vaccines are concerned, prevention can come at a price. Dr. Margret Casal, assistant professor of medical genetics at the School, highlighted the many variables one must consider in tailoring a vaccine protocol to a particular cat, and explained the rationale behind VHUP’s feline vaccine protocol.

“Each cat’s vaccine schedule should be based on its lifestyle, breed and environment,” said Dr. Casal.

It should also take into account the risk:reward ratio for giving a certain vaccine to an individual cat. The negative sequela to vaccination include tissue reaction at the injection site; anaphylaxis, which occurs more commonly in dogs than cats; delayed allergic response; introduction of disease (more common with intranasal vaccine); and problems associated with vaccine contamination.

In order to minimize these risks, several decisions must be made regarding vaccination strategy. These include type of vaccine (killed vs. attenuated), route of administration – which should most closely mimic the natural route of infection, and frequency of revaccination. The patient’s immune status should also be taken into consideration.

Modified-live vaccines, which may be intranasal or injectable, have the advantage of evoking a rapid immune response. Unlike some injectable vaccines, intranasal modified-live vaccines are not associated with sarcomas. However, they can cause mild clinical signs of disease, as well as a carrier state with possible viral shedding. Modified-live vaccines should never be used in pregnant queens because of potential harm to the fetus.

Killed vaccines, while posing no risk for viral shedding, require adjuvants to effectively stimulate the host’s immune system. These adjuvants have been implicated in the formation of vaccine-associated sarcomas. Further, killed vaccines must be boostered.

Frequency of revaccination is a subject with many opinions. It is difficult to determine one’s true immunity to an agent by simply measuring antibodies. And cell-mediated immunity, a more targeted response that some agents stimulate, is difficult to measure. While absolute immunity is hard to gauge, annual boosters are probably overkill, said Dr. Casal, because “you’ve already trained the body and the immune system to remember certain virus components.”

Feline calicivirus, which is highly contagious, can cause chronic ulcerative stomatitis with persistent infection. Febrile limping syndrome, a reaction sometimes associated with attenuated calicivirus vaccination, is characterized by shifting lameness and fever. VHUP’s vaccine protocol for calicivirus, which is usually combined with feline viral rhinotracheitis and feline panleukopenia, is a kitten series of shots given every 3-4 weeks from 6-8 weeks to 12-16 weeks of age, a first adult booster given at 15 months, and a booster every three years thereafter.

Rabies is more likely to be transmitted by cats than dogs. Although Pennsylvania law states that rabies vaccination is mandatory only for cats that spend any time indoors, Dr. Casal recommended also vaccinating outdoor pets, such as barn cats. The traditional killed-virus vaccine must be boostered one year after the initial vaccine and every three years thereafter. The killed rabies vaccine has been implicated in causing sarcomas. Recently available is a recombinant-virus vaccine that has no potentially-dangerous adjuvants. In the absence of any long-term studies on the efficacy of this new vaccine, Dr. Casal recommended boostering it annually.

The feline leukemia virus (FeLV) vaccine is not completely effective, and can cause potentially severe adverse reactions. Therefore, it is only recommended for cats that go outdoors. To avoid maternal antibodies, the vaccine should not be given before 10 weeks of age, and must be boostered annually. Dr. Casal cautioned that there is no advantage to vaccinating FeLV+ cats. On the horizon are DNA vaccines against FeLV that have longer immunity duration and no reported side effects.

Dr. Casal discouraged vaccinating cats against Chlamydophila, feline infectious peritonitis (FIP) and bordetella. She cited the low disease prevalence of Chlamydophila and the high frequency of adverse reactions to the vaccine. Because of their questionable efficacy, she added, the FIP and bordetella vaccines should not be routinely administered.

Feline immunodeficiency virus (FIV) vaccines, though not yet commercially available, are currently in development. The most promising of these are the inactivated dual-subtype and the fixed-infected-cell vaccines.

Feline Respiratory Disease

The feline mystique can be breathtaking for cat fanciers. Likewise, many medical conditions can be breathtaking literally for cats. Dr. Reid Groman, lecturer in emergency and critical care medicine at the School, presented the manifold causes of feline respiratory disorders.

Cats are subject to a variety of upper and lower respiratory tract problems. These include infection, nasal foreign body/polyp/malignancy, allergic airway disease, pleural space disease and congestive heart disease. Other afflictions, like stress, pain and anemia, can mimic primary respiratory disease by causing increased respiratory rate or tachypnea.

The most common upper respiratory disorder in cats is chronic nasal discharge secondary to infection. “We see cats all the time presented with chronic upper respiratory infections (URIs),” Dr. Groman said. “These chronic sniffing cats are among the most frustrating cases to treat.”

Often medically incurable – though temporarily manageable – these cats are usually afflicted with a virus. The most common of these viruses is feline herpesvirus (FHV-1), which causes feline viral rhinotracheitis. Signs include sneezing, coughing, excess salivation and ocular discharge. Although infection usually resolves in a few weeks with supportive care, feline viral rhinotracheitis can lead to secondary bacterial infection and damage to the bones of the nares and sinuses. Extremely contagious, feline calicivirus is associated with milder respiratory signs and tissue ulceration.

Both herpes- and calicivirus are ubiquitous in the general cat population, have an even higher prevalence in colonies, may remain latent in the host, and can be shed when the host is under stress.

Common bacterial causes of nasal discharge are Pseudomonas, Pasteurella, Staphylococcus...
and Actinobacillus. All normal inhabitants of the nasal/sinus mucosa, these bacteria do not cause infection by themselves. Rather, they are opportunistic agents that cause secondary infection of tissues already inflamed by viruses.

Two primary bacterial causes of URIs are Chlamydothilia and Bordetella bronchiectica. Formerly called Chlamya, Chlamydophila causes often-recurrent mild respiratory compromise and conjunctivitis. B. bronchiectica, which causes kennel cough in dogs, is thought to be a common primary disease agent in cats, in whom signs include fever, nasal discharge and coughing. Associated with overcrowding and poor ventilation, B. bronchiectica infection is easily treatable with antibiotics.

Feline nasal discharge can also result from fungal infection (Cryptococcus, Aspergillus, Blastomyces, Histoplasma), foreign bodies such as grass awns lodged in the nasal mucosa, malignancy (squamous cell carcinoma, lymphosarcoma, adenocarcinoma) and nasopharyngeal polyps.

Nasopharyngeal polyps occur in the eustachian tubes and present with sneezing, difficulty eating, and other signs of middle ear infection. Himalayans, Persians and Siamese cats are predisposed to nasopharyngeal polyps.

Workup of feline nasal discharge includes a thorough physical exam, complete blood count, blood chemistry panel, urinalysis, feline leukemia virus (FeLV)/feline immunodeficiency virus (FIV) testing and head/chest x-rays. CT scanning and/or endoscopy may be performed if a nasal/sinus tumor or nasopharyngeal polyp is suspected, and endoscopy is done to rule out a foreign body. If infection is suspected, a nasal flush can be performed to retrieve upper airway fluid for culture and cytology.

Treatment of feline URIs is as varied as the causes. Though symptomatic treatments like antihistamines and topical decongestants have questionable efficacy, said Dr. Groman, supportive therapies like airway humidification, appetite stimulants and flavorful foods are important. For secondary bacterial infection, Dr. Groman recommended pulsed, combination antibiotic therapy with agents like Orbax, Doxycycline and Zithromax. Viral infections are sometimes treated with antiviral drugs like Zovirax, Herplex and interferon. Endoscopy may be used to facilitate manual removal of any foreign bodies. For removal of nasopharyngeal polyps, a surgical procedure called bulla osteotomy is recommended by many veterinarians. Without this aggressive procedure, which exposes the middle ear canal after removing the polyp, up to one third of affected cats experience polyp recurrence.

The most common lower respiratory tract disease in cats is feline bronchial asthma. An obstructive airway disease, it is marked by increased responsiveness in the airways, airway narrowing and mucus. "It is a reversible situation where animals have an exaggerated response to something provocative in the environment," Dr. Groman explained.

Associated with culprits like food allergy, dust, mold, smoke, and heartworm infection, feline bronchial asthma generally presents with sudden onset of labored breathing, chronic cough, wheezing and increased respiratory rate. Diagnostic tools include radiography, blood work and fecal exam. Treatment may consist of flow-by oxygen, bronchodilators and corticosteroids (injection and/or nebulization). "A rewarding disease to treat," said Dr. Groman, "feline bronchial asthma requires long-term therapy."

**Feline Symposium**

**New Cancer Treatments for Cats**

Cats are prone to several types of neoplastic conditions. Dr. Craig Clifford, resident in oncology at VHUP, discussed the mechanisms and treatment options for these cancers.

Cancer is an abnormal or unregulated cell growth and can be benign or malignant. Benign tumors are generally slow growing, locally invasive and often curable with a single form of therapy. Malignant neoplasia, on the other hand, is characterized by rapid growth and propensity to spread via the blood or lymphatic vessels. It requires combined therapy for effective treatment. Cancer is a multi-step process that results from cumulative damage to genes. Causes include environmental carcinogens (chemical, physical, or radiological), hormones, viruses and inflammation. Certain breeds, such as Siamese, are predisposed to developing cancer.

The common cancers in cats are lymphosarcoma (LSA), vaccine-associated sarcoma (VAS), mammary gland tumor, squamous cell carcinoma and mast cell tumor. The most prevalent of these, LSA accounts for about one third of all feline cancer cases. LSA involves unregulated growth of lymphocytes. "One of these cells turns and becomes bad, and spreads to other parts of the body," explained Dr. Clifford. LSA most frequently affects one or more of the following tissues: gastrointestinal tract, lymph nodes, bone marrow, blood, mediastinum, nasal passages, kidney and brain. Causes of LSA include genetic factors, inflammatory bowel disease (IBD), second-hand smoke and feline leukemia virus (FeLV).

Although it most frequently affects middle-aged-to-older cats, LSA has a bimodal age predisposition, peaking in young – usually FeLV+ – cats, and in older – typically FeLV- – cats. Recent studies show that up to 15 percent of cats with LSA are FeLV+. The retrovirus integrates itself into the genome of the cat, allowing cells to proliferate abnormally and "throwing the entire process off," Dr. Clifford explained.

Diagnostic tools for LSA include blood work, urinalysis, radiographs, ultrasound, endoscopy and the gold standard: biopsy or cytology from fine needle aspirates. LSA treatment may involve a combination of surgery, chemotherapy and radiation. Surgery is generally limited to the excision of masses such as in the gastrointestinal tract. Radiation therapy is used to shrink focal masses, such as nasal LSA. Chemotherapy involves a sequential, weekly protocol that rotates a variety of agents. In people, the goal of chemotherapy is cancer cure. In animals, however, the goal is often palliation. Therefore, lower drug dosages are used in animals than in people. Likewise, side effects, which include anorexia, nausea and decreased white blood cell count, are generally fewer. These side effects are often preventable with the use of appetite stimulants, antiemetics (prevention of vomiting), antibiotics and fluid therapy. In our experience, side effects occur in less than ten percent of treated cats. LSA carries a varied prognosis, with survival time ranging from a few months (FeLV+ cat treated with chemotherapy) to over a year.

VAS have increased in frequency at VHUP by 61 percent from 1987 to 1991, occurring in middle-aged-to-older cats, with no breed predisposition. Associated with the rabies and FeLV vaccines, these vaccination-site tumors develop about 340 days after vaccination (11 [FeLV] 26 mos [rabies]). The risk increases with multiple injections. These tumors, which usually originate with post-vaccinal inflamma-
tion at the vaccination site, may involve mutations in tumor suppressor genes. VAS, which can metastasize by the blood, should be suspected if inflammatory tissue is still proliferating one month after vaccination, is greater than 2 cm. in size, and persists for over three months after vaccination (“1-2-3 rule”).

Although VAS are definitively diagnosed by biopsy, other diagnostic tools, like blood work, FeLV testing, radiographs, CT scans and MRIs, might be useful in further characterizing the extent of the neoplastic process. VAS are treated aggressively with surgery; however, tumor recurrence is common. For appendicular lesions, limb amputation carries the best prognosis. Radiation therapy may be performed either pre- or post-operatively, usually in 3-4- week courses of daily therapy. These treatments are often combined with chemotherapy.

Dr. Clifford urged owners to continue vaccinating their cats. “These tumors are not uncommon but are not a reason to not vaccinate,” he said. Rather, owners should ensure that the rabies vaccine is administered in the right hind leg and FeLV in the left. Also, vaccines should not be given interscapularly.

Cancer cachexia progressive, involuntary weight loss in the face of adequate nutrition, is a problem in cats suffering from various cancers, particularly VAS, lymphosarcoma, leukemia, and mammary gland tumors, but can occur with any cancer. This common condition is associated with decreased response to therapy, impaired immunity and poor quality of life. Cats suffering from cancer cachexia should be fed complex carbohydrates, high-quality protein sources and increased fat (omega-3 fatty acids).

Lastly, Dr. Clifford discussed many of the clinical trials in VHUP’s oncology service and the goal of these trials is “to provide a more efficacious therapy for different cancers as well as to improve the quality of life in our patients.” Due to limitations in funding for veterinary studies, Dr. Clifford encouraged owners to become proactive in helping to fund feline cancer studies.

Feline Urinary and Renal Problems

Working as the filtration unit for the blood, the urinary system purges the body of metabolic end products and maintains serum electrolyte concentrations within narrow parameters. If any part of this system malfunctions, the consequences can be serious. Dr. Meryl Littman, V’75, associate professor of medicine at the School, summarized the problems that commonly affect the feline upper and lower urinary tracts.

When urinary pathology occurs, the first step is to localize the problem to the upper (kidneys) versus the lower (bladder/urethra) urinary tract. Kidney disease usually presents with vague, often subtle, systemic signs. These include lethargy, decreased appetite, vomiting, polyuria/polydipsia and possible hypertensive damage, such as stroke and retinal detachment. “When the kidneys are sick, the whole body is sick,” Dr. Littman explained, “because the kidneys are not getting rid of the waste products from the bloodstream.”

On physical examination, abdominal palpation may reveal shrunken kidneys – possibly due to chronic renal failure – or enlarged kidneys, with etiologies ranging from acute renal failure to lymphosarcoma to feline infectious peritonitis (FIP).

The main diagnostic values for kidney disease are blood urea nitrogen (BUN) and serum creatinine, which become elevated with the loss of 75-85% of renal function. Other diagnostic tests include complete blood count (CBC), serum chemistry panel, T4, urinalysis, urine culture, blood pressure measurement, imaging studies, testing for infectious agents such as Toxoplasmosis and feline leukemia virus (FeLV), and kidney aspirate +/- biopsy.

Renal failure is treated with rehydration, correction of electrolyte imbalances, dietary modification (reduced protein/phosphorus), antihypertensives, erythropoietin (to correct associated anemia), antiemetics, anti- ulcer drugs, and medications such as antibiotics or chemotherapy to address underlying problems. For suitable candidates, renal transplantation is also available.

Feline lower urinary tract disease (FLUTD) – a constellation of disorders affecting urine outflow via the bladder and the urethra – is most commonly caused by cystitis, or inflammation (usually sterile, in cats) of the bladder. Other causes of FLUTD, in descending order of frequency, include urethral blockage (male cats), urinary tract stones (male and female cats), bacterial cystitis and anatomic defects.

Unlike kidney disease, FLUTD tends to manifest overtly. Clinical signs include increased frequency of urination, straining to urinate, vocalizing, and expelling small amounts of bloody urine. In urethral blockage, vomiting, lethargy and death can also occur.

Physical exam helps to characterize the cause of FLUTD. If cystitis, or bladder inflammation, is present, the bladder is usually small and may contain “sand” or calculi that can sometimes be palpated. If the urethra is blocked, however, the bladder will be enlarged and tense.

Diagnostic tests for FLUTD include urinalysis, urine culture, imaging studies, and rarely, cystoscopy and/or surgery/biopsy. Stone analysis may also be performed, pursuant to determining appropriate dietary modifications: Dietary acidification can reduce and prevent struvite sand or calculi, while alkalinizing agents are effective against calcium oxalate sand or calculi. In addition to special diets and dietary pH modifiers, sterile cystitis can be treated with amitriptyline, antispasmodics and antiinflammatory medications.

Calculi or sand plugs can cause complete obstruction at the narrow part of the urethra. A proteinaceous mix of mucus and sandy grit – usually struvite or oxalate, the plug must be dislodged via urethral catheterization. A clinical emergency, urethral blockage must be treated rapidly with intravenous fluids, antispasmodic medications and sometimes eventually surgery (penile urethrostomy) to excise the narrowed portion of the urethra. Therapy may also include antibiotics and dietary modification.

Bacterial cystitis, which is not very common in cats, is diagnosed with urine culture/sensitivity and treated with antibiotics. Anatomic defects, such as urachal diverticulum, are usually treated surgically.

Some of the clinical signs of intrinsic urinary problems, such as urinating outside the litter box, can also be caused by behavior problems. Once physical etiologies have been ruled out, behavior problems can be addressed. Urinating outside the litter box can be a normal, though unacceptable, territorial marking behavior. Neither punishment nor positive reinforcement is effective in reducing marking. However, Dr. Littman said, “You don’t have to make these cats live outside or put them to sleep.” Psychotropic medications such as amitriptyline, buspirona and flutoxetine are effective against this problem.
Cats may also urinate outside the litter box because of surface or location preferences/aversions. Dr. Littman recommended experimenting with different types of litter (clumping vs. regular vs. less dusty litter; unscented vs. deodorized litter; sand, dirt, etc.), cleaning the litter regularly, and using several litter boxes in different locations.

**Feline Arterial Thromboembolic Disease**

Characteristically feline and exquisitely tragic, feline arterial thromboembolic disease (FATE) is the typical presentation of “stroke” in cats. Dr. Annika Linde, resident in cardiology at VHUP, discussed the underlying causes, pathogenesis, clinical signs, diagnosis and treatment of FATE.

Arterial emboli are not uncommon in cats, said Dr. Linde. “Cats experience these thromboembolic events more frequently and more easily than other species would,” she explained.

Cardiomyopathy either hypertrophic, restrictive or dilated – is the chief cause of FATE. In fact, said Dr. Linde, over 90 percent of cats afflicted with FATE have underlying heart muscle disease. Other etiologies include hypercoagulability, neoplasia, corticosteroid administration and presence of a foreign body.

Cats are predisposed to clot formation because their red blood cells are prone to aggregation, their platelet volume/body mass ratio is high, and their platelets have a propensity to aggregate. This tendency is exaggerated when endothelial damage is present or blood flow is sluggish as a result of heart disease. In cats afflicted with cardiomyopathy, the left atrium the cardiac delta to the systemic circulation often enlarges. “If a thrombus formed in this area dislodges,” she explained, “it can go directly out into the body and cause the syndrome that we see.”

Most commonly, a “saddle thrombus” – a clot lodged at the aortic trifurcation in the caudal abdomen – forms. Alternatively, thrombi may settle in the smaller channels, such as the brachial, renal or femoral arteries. Clinical signs depend on the location at which the thrombus/thrombi lodge(s).

The typical FATE patient is a middle-aged-to-older cat, although cats of any age can be afflicted. FATE occurs in male cats with twice the frequency as in females. Common clinical signs include pain – often accompanied by vocalization, and cold, blue, paralyzed limbs (bilateral or unilateral; usually hind limbs). Affected cats may also exhibit vomiting, difficulty breathing and signs associated with renal failure. Alternatively, sudden death may be the only clinical sign, particularly if clots lodge in the left heart, valvular channels or proximal aorta. The other reason cats often do not present until end-stage damage has occurred, said Dr. Linde, is that “they are very good at hiding symptoms.”

FATE is diagnosed by a combination of cardiac evaluation, blood pressure measurement and laboratory tests. Heart auscultation may reveal tachycardia or – in late stages – bradycardia, arrhythmias, and murmurs. Electrocardiography (ECG) might show abnormal QRS complexes. On thoracic radiographs, the heart silhouette may appear atypical, the left atrium may appear enlarged and fluid may be apparent in the lungs as a result of secondary congestive heart failure. Echocardiography often reveals thickened heart walls and constricted chambers, particularly since HCM is the most common form of cardiomyopathy in the cat. However, other cardiomyopathies can also be the underlying etiology. Doppler analysis may show reduced blood pressure in affected limbs. Renal values and muscle enzymes may be elevated, indicating, kidney and muscle damage, respectively.

FATE is a clinical emergency that must be treated aggressively. Therapy includes pain control, vasodilators and thrombolytic agents, such as streptokinase, urokinase and tissue-plasminogen activator (t-PA). Underlying heart disease also must be addressed, and additional thrombus formation prevented by either aspirin or coumadin.

Though treatment options are available, many cases of FATE have bad outcomes. Of 144 total cases analyzed in two separate studies between 1977 and 1998, approximately one third of affected cats died and one third were euthanized. The mean survival time in the remaining 1/3 was about one year.

–Joan Capuzzi Giresi, C’86, V’98

**Foal Sitting**

We need your help. Do you have time to volunteer next Spring, February through June (an average of one shift or more per week) and don’t mind getting dirty or hard work? Do you like horses and love foals? Are you curious about what cutting edge veterinary medicine is all about? Are you over 16? If so, come and join our neonatal intensive care team as a foal sitter.

Working in the NICU is like nothing you have ever done before. You will be working with critically ill newborn foals (and occasionally other newborns) that are being watched over by their anxious and attentive dams. You may be asked (after being instructed) to “sit” with the foals, insuring that a variety of patient lines (including intranasal oxygen lines, nasotracheal tubes, nasogastric feeding tubes, urinary catheters, and intravenous catheters) are not pulled out. Depending on the time of day you choose to work you will help with a variety of diagnostic and therapeutic procedures, which may include catheterization, radiography, and ultrasonography. During late night shifts you may be helping us while we work up emergencies or watch us foal mares in our high-risk pregnancy program. Of course, there are more mundane chores as well, such as putting a dent in a mountain of laundry, restocking supplies or cleaning.

The work can be strenuous. There is a lot of lifting and kneeling. You have to be willing to get dirty – changing foal diapers, catching urine, etc. If you are assigned a foal that is hyperactive (as they can be as they recover from mild brain damage) you may go home black and blue and really feel your shift the next day. No matter how tired you are or how tedious some of the jobs may seem, it will all be worthwhile when you see your first foal progress from lying in a coma on a fleece lined mattress, to running and bucking at the side of its dam as it plays outside for the first time.

Who are foal sitters? They come from all walks of life. Many are college students who want to find out what veterinary medicine is all about. Others are nurses from human hospitals, looking for a change of pace. Still others are horsewomen and horsemen from the community who just feel good helping these little patients.

If you are interested, email us at foalsitters@vet.upenn.edu or call the foal sitter hotline at 610-444-5800, ext. 2445. You must register by December 1 to be able to help during the 2003 foaling season.
The following gifts were made to New Bolton Center:

- In memory of those listed:
  - Mary Jane and Michael G. Allen in memory of Violet F. Bangs
  - Mary Jane and Michael G. Allen in memory of James B. Pifer
  - Ramsey S. Buchanan, V.M.D. in memory of Dr. Jacques Jenny
  - Deborah D. Ebert, V.M.D. & James W. Ebert, V.M.D. in memory of Ronald C. Farrell, V.M.D.
  - Georgia Mazzocco in memory of her Grandfather, George W. Murray
  - Christine Simmers in memory of her brother, Joseph B. Stevens

- In honor of a special person:
  - Kenneth E. Diehl, V.M.D. in honor of Leon B. Epler, Penn State Agronomy 1926
  - Max L. Sponser, V.M.D. in honor of Charles W. Raker, V.M.D.
  - Susan M. Verbitz in honor of Jill Beech, V.M.D.

- In memory of a special animal:
  - Todd C. Adams in memory of “Snickers”
  - Marjorie Christie in memory of “Sheila”
  - Roy & Judy Dietz in memory of their horse “Echo”
  - Dr. & Mrs. Emanuel Greenwald in memory of “Harley”
  - Edward Mersky, V.M.D. in memory of “Moon” (Moonshine Fantasy)
  - Barbara V. Wendt in memory of “I am the Last Straw” “Spot”
  - John & Jeanne Zakrewski in memory of “Tasha”

The following made a gift to the Dr. Ginnie Lieblein Memorial Scholarship Endowment in memory of R. Ginnie Lieblein:

- Dr. John E. Lowe

The following made a gift to the Peter A. Lien Memorial Fund:

- Dr. John E. Lowe

The following have made gifts to the Veterinary Hospital of the University of Pennsylvania in memory of H. Venna Moyer:

- Mr. and Mrs. Henry A. Einsel
- Exeter Animal Hospital and Staff
- Mr. and Mrs. Joseph E. Organtini
- Ms. Jane M. Simon

The following made a gift in memory of a special pet to support Dr. Beth Callans’ Research:

- Alysa Deaven, V.M.D. in memory of “Pagan Digastricus”

The following made gifts to the Feline and Canine Genetic Center in honor of a special pet:

- Mr. and Mrs. Jon Eck in memory of “Snickers”
- The Salmon Family in honor of “Sam”
- Mr. and Mrs. James M. Steinberg in honor of “Timberly”

The following have contributed to the Clinical Studies Research Development Fund in memory of those listed:

- Mr. and Mrs. Robert William Ralston in memory of “Mandy”
- Nancy Sullivan in memory of “Kit”
- Nancy Sullivan in memory of “March”

The following made gifts in memory of a special pet to support Soft Coated Wheaten Terrier Research:

- Mrs. Carol L. Hawkins in memory of “Teddie”, “Tazzie” & “Lucy”
- Lynn and Fred Meredith in memory of “Lucy”
- Mary Jane Szuman in memory of “Ruffles”

The following made gifts in memory of a special pet to support Oncology Research:

- Ms. Carolyn J. King in memory of “Sir”
- Racoon Valley Animal Hospital in memory of “Gizmo”
- Helen Wehma in memory of “Bitsy”

The following made gifts in memory of a special pet to support Hemolytic Anemia Research:

- Mr. and Mrs. John G. Ray in memory of “Happy”

The following made gifts in memory of a special pet to support the Kidney Transplant Program:

- Ms. Frances K. Volosevich in memory of “Dusty”

The following contributed to the Dean’s Fund:

- In honor of those listed:
  - Dr. James S. McFarland in honor of The Kuhlmeyers
  - Dr. Bruce Schmucker in honor of G. Frederick Oppenlander, V.M.D.
  - Dr. Valerie Eisenberg Yaster in honor of Dr. Sally Bissett’s fine care and kindness.

In memory of those listed:

- Dr. Peter H. Herman in memory of Terry Herman

In memory of a special pet:

- Mr. and Mrs. Donald Tsolo in memory of “Buddy”
- Mr. and Mrs. Keith D. Watson in memory of “Sasha”

Gifts were made to Veterinary Student Scholarship:

- In memory of those listed:
  - Helen Aceto, V.M.D. in memory of Launceur Charles Wheeler
  - Paula A. Granger in memory of John Granger and Dawn E. Granger
  - Barbara V. Wendt in memory of Bob and Shelley
  - Mr. and Mrs. Jacob L. Kolodner in memory of Dr. Morton Kremchek
  - Kathleen D. Moody, V.M.D. in memory of Burton E. Moody
  - Ms. Carol H. Moore in memory of Alta Marie Tiaharou
  - John J. McGuire, V.M.D. in memory of Florence McGuire
  - Kenton D. Rexford, V.M.D. in memory of Dr. Petton Jones

In honor of those listed:

- Dr. George E. Eyster in honor of Dr. James Buchanan
- Dr. Patricia McManus in honor of Dr. Josephine Deubler
- Robert W. Stewart Jr., V.M.D. in honor of his parents, Dr. and Mrs. Robert W. Stewart, Sr.

In memory of a special pet:

- M. Nina Dipinto, V.M.D. in memory of “Phineas”
- Dr. Patricia A. Day-Lollini in memory of “Quint” and “Mescal”
- Mrs. Lana Sheer and Peter Jesson in memory of CH. Dior Aigner My Oh My, CD, NA, HC, TT, VT, CGC “Maya” and “Mistral”

To the Class of 1957 Endowed Scholarship in honor of those listed:

- Dr. M. Phyllis Liss in honor of Mrs. Charles Raker and Mark Allam

To the Class of 1977 Endowed Scholarship in memory of those listed:

- Stephen R. Levan, V.M.D. in memory of Russell S. Dettwiler, V.M.D.

The following have contributed gifts to the Dr. David H. Knight Memorial Fund:

- Dr. and Mrs. Darryl N. Biery
- Dr. Mary Beth Callan
- Dr. Richard Q. Davies
- Dr. Urs Giger
- Dr. Peter J. Hand
- Mr. Robert C. Michel and Dr. Kathryn E. Michel
- Dr. Thomas Nolan
- Dr. H. James S. McFarland
- Dr. and Mrs. Stephen R. Levan
- Dr. Tobias Schwarz
- Dr. Joseph F. Spear
- Dr. and Mrs. Shelton A. Steinberg
- Dr. Wilfried T. Weber
Egyptian Mau

In ancient Egypt, cats were highly valued. Egyptian art after 3000 B.C. shows cats helping to fish, hunt and catch rats. Bastet, the cat-headed Egyptian goddess, presided over all things feminine, including child-bearing. Cats were protected and mourned after death and often were mummified and buried in sacred ground. Last century, thousands of these preserved bodies were shipped to England. Many were ground up and used as fertilizer. Some of these reached the British Museum where scientists examining them and found most resembled Abyssinians and Egyptian Mau. The Mau (Egyptian for cat) is the only naturally occurring spotted domestic cat. It was introduced in the United States in 1957 by Princess Troubetskoy.

The Egyptian Mau is recognized by the Cat Fanciers Association. It comes in three colors – silver, bronze and smoke. Eyes are gooseberry green.

It is a medium-sized cat with the lean and elegant lines shown in Egyptian paintings. The coat is short and requires little maintenance. Comb to reduce shedding. Polish the coat with a soft chamois or silk scarf.

Trivia

Crossword puzzle aficionados may know the terms used to describe groups of animals and birds – others find them interesting and amusing.

Swarm of bees               Clowder of cats
Host of sparrows            Litter of puppies
Clutch or brood of chicks   Pod of seals
Exaltation of larks         Gang of elks
Muster of peacocks          Band of gorillas
Charm of finches            Pride of lions
Cloud of gnats              Flock of sheep
Murder of crows             Troop of kangaroos
Plague of locusts           Sleuth of bears
Bevy of swans               String of ponies

The cheetah is reported to be the fastest animal (200 mph) while the Peregrine falcon had been clocked at 70 mph.

The average length of pregnancy in the elephant is 624 days. In the horse the average is 336 days and in the cow it is 280 days. The average for cats and dogs in 63 days. These number may be lower or higher in individual animals.

New Breeds

On January 1, 2003, two breeds become eligible to compete for championship points at AKC dog shows – the toy fox terrier in the toy group and the German pinscher in the working group.

The toy fox terrier is an American breed and is sometimes referred to as the Amertoy. It was developed by breeding small smooth fox terriers with other toy breeds, including Chihuahuas and Maltese. The erect, pointed ears are a distinguishing feature. It must be under 11.5 inches and over 8.5 inches in height. There are a number of disqualifications in the breed standard. More than 50% of the body must be white, but the head may not be more than 50% white. The head and body spots must be the same color. Judges at the shows will have to study the standard carefully.

The toy fox terrier has a milder disposition than many other terrier breeds. It is alert, intelligent, friendly and good with children.

The German pinscher is a medium size, short coated dog, smaller than, but similar to, the Doberman. Except for the short coat, it resembles the standard schnauzer which originally was called the wire haired pinscher. German pinschers are known for their vermin hunting skills and are considered excellent watchdogs and companions. Dogs are strong-willed and can be stubborn and manipulative. Consistent, gentle discipline is a must.

It is always a good idea to investigate a breed before buying a puppy. Try to see adults with the breeder or at dog shows. Don’t make your decision based on what you might see on television. A wealth of information about breeds, breed clubs, dog shows, etc. is available on AKC’s website – www.akc.org.
Dr. Deubler’s Birthday

The first weekend in May is always a busy one for Dr. Josephine Deubler, V’38, as it is the “Bucks County weekend” – one of the largest outdoor dog shows, the Bucks County Kennel Club show, is held the first Saturday in May. It has been chaired, organized and run by Dr. Deubler for 34 years.

On May 3rd, the eve of the show, more than 100 friends gathered at the Hotel Du Village in New Hope for a celebration of Josephine’s 85th birthday – her birthday is on May 4. Highlight of the evening was the unveiling of a portrait of Dr. Deubler, commissioned by Walter F. Goodman, member of the School’s Board of Overseers, and painted by Mary White. The portrait will be hung in the Dr. Josephine Deubler Bridge area that will connect the current veterinary school complex to the new Teaching and Research Building.

Dean Alan M. Kelly announced that he hopes to raise $1 million for the Deubler Bridge. The space, high above the street, will be a dramatic backdrop, not only to the painting of the School’s first female graduate, but also for plaques honoring achievements of many of our other alumnae.

Another highlight of the evening was the reading of adjectives and phrases describing Josephine. “Amazing,” “Unique,” “Irreplaceable,” “Sharp,” “Special,” “Like the Energizer Bunny,” were among the many words and phrases that the audience submitted.

The next day, most of the party goers attended the BCKC show which had splendid weather – fitting for a birthday and a great dog show.

Donors to the Dr. Josephine Deubler Bridge in the Teaching and Research Building

<table>
<thead>
<tr>
<th>Name</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Jeannine Earnshaw Adams</td>
<td></td>
</tr>
<tr>
<td>Linda E. Aiken, V’78</td>
<td></td>
</tr>
<tr>
<td>Mrs. Rosalie M. Anderson</td>
<td></td>
</tr>
<tr>
<td>Animal Hospital</td>
<td></td>
</tr>
<tr>
<td>Animal Rescue League of Philadelphia</td>
<td></td>
</tr>
<tr>
<td>Dr. Narayan G. Avadhani</td>
<td></td>
</tr>
<tr>
<td>Mr. Richard L. Bauer</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Erik Bergishagen</td>
<td></td>
</tr>
<tr>
<td>Bibliography of the Dog</td>
<td></td>
</tr>
<tr>
<td>Bilmar Veterinary Services</td>
<td></td>
</tr>
<tr>
<td>Ms. Eugenia B. Bishop</td>
<td></td>
</tr>
<tr>
<td>Ms. Damara Bolte</td>
<td></td>
</tr>
<tr>
<td>Mrs. Bette Kauhs Brown</td>
<td></td>
</tr>
<tr>
<td>J. William Brown, V’43</td>
<td></td>
</tr>
<tr>
<td>Mrs. Ellen MacNeillie Charles</td>
<td></td>
</tr>
<tr>
<td>Ms. Anne Rogers Clark</td>
<td></td>
</tr>
<tr>
<td>Mrs. Gloria C. Cochrane</td>
<td></td>
</tr>
<tr>
<td>Mrs. Dorothy Dalton</td>
<td></td>
</tr>
<tr>
<td>Deewal Registered</td>
<td></td>
</tr>
<tr>
<td>Josephine Deubler, V’38</td>
<td></td>
</tr>
<tr>
<td>Dogs in Review</td>
<td></td>
</tr>
<tr>
<td>Mr. Samuel E. Ewing III</td>
<td></td>
</tr>
<tr>
<td>Mr. Wayne E. Ferguson</td>
<td></td>
</tr>
<tr>
<td>Mrs. Ellen Frenkel</td>
<td></td>
</tr>
<tr>
<td>Mr. Walter F. Goodman</td>
<td></td>
</tr>
<tr>
<td>Mrs. Gaynor E. Green</td>
<td></td>
</tr>
<tr>
<td>Donald W. Gulick, V’75</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Wayne B. Hallard</td>
<td></td>
</tr>
<tr>
<td>Mrs. Ann D. Hearn</td>
<td></td>
</tr>
<tr>
<td>Ms. Wilmarie F. Hopkins</td>
<td></td>
</tr>
<tr>
<td>Mrs. Gretchen S. Jackson</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Albert E. Johnston</td>
<td></td>
</tr>
<tr>
<td>Mr. Gilbert S. Kahn</td>
<td></td>
</tr>
<tr>
<td>Mr. Kenneth Kaufman</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Robert L. Kelly</td>
<td></td>
</tr>
<tr>
<td>Mrs. Vernelle Kendrick</td>
<td></td>
</tr>
<tr>
<td>Raymond E. Larson, V’38</td>
<td></td>
</tr>
<tr>
<td>Ms. Jean S. Madsen</td>
<td></td>
</tr>
<tr>
<td>Dr. and Mrs. Robert R. Marshall</td>
<td></td>
</tr>
<tr>
<td>Mrs. Edna K. H. Martin</td>
<td></td>
</tr>
<tr>
<td>Ms. Karolyne McAteer</td>
<td></td>
</tr>
<tr>
<td>Mrs. Gwynne G. McDevitt</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Barrie G. McMath</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. R. H. Menaker</td>
<td></td>
</tr>
<tr>
<td>Mrs. Barbara Miller</td>
<td></td>
</tr>
<tr>
<td>Mr. Mark Miller</td>
<td></td>
</tr>
<tr>
<td>Montgomery County Kennel Club</td>
<td></td>
</tr>
<tr>
<td>Mr. Desmond J. Murphy</td>
<td></td>
</tr>
<tr>
<td>Ms. Charlotte P. Patterson</td>
<td></td>
</tr>
<tr>
<td>Dr. Samuel M. Peacock</td>
<td></td>
</tr>
<tr>
<td>Pine Brook Farm, Inc.</td>
<td></td>
</tr>
<tr>
<td>Mrs. Margaret Young Renihan</td>
<td></td>
</tr>
<tr>
<td>Reveille</td>
<td></td>
</tr>
<tr>
<td>Mr. James G. Reynolds</td>
<td></td>
</tr>
<tr>
<td>Jack K. Robbins, V’45</td>
<td></td>
</tr>
<tr>
<td>Mrs. Isabel Prizer Robson</td>
<td></td>
</tr>
<tr>
<td>Irwin Rothman, V’41</td>
<td></td>
</tr>
<tr>
<td>Mrs. Cecelia Ruggles</td>
<td></td>
</tr>
<tr>
<td>H. James Schroll, V’74</td>
<td></td>
</tr>
<tr>
<td>Jane Sparacino Schroll, V’74</td>
<td></td>
</tr>
<tr>
<td>Mrs. Patricia Scully</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. John R. Seelbach</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Robert D. Sharp</td>
<td></td>
</tr>
<tr>
<td>Mr. John C. C. Shaw</td>
<td></td>
</tr>
<tr>
<td>Martin &amp; Toni Sosnoff Foundation</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Martin T. Sosnoff</td>
<td></td>
</tr>
<tr>
<td>Ms. Toinette Tucker</td>
<td></td>
</tr>
<tr>
<td>Mr. and Mrs. Gonzalo F. Valdes-Fauli</td>
<td></td>
</tr>
<tr>
<td>Mrs. Cynthia C. Vogels</td>
<td></td>
</tr>
<tr>
<td>Mr. Chris Walkowicz</td>
<td></td>
</tr>
<tr>
<td>Ms. Sharol C. Way</td>
<td></td>
</tr>
<tr>
<td>What A Good Dog, Inc.</td>
<td></td>
</tr>
</tbody>
</table>
**Upcoming Events**

**October 2002**

12
**Parents and Partners Day 2002**
Philadelphia and New Bolton Center campuses
Parents and partners of the School of Veterinary Medicine’s first-year students receive an overview of veterinary education at Penn. For information, contact Amy M. Bogdanoff at (215) 898-4234 or via e-mail at <bogdanof@vet.upenn.edu>.

15
7:30 p.m.
**Friends of New Bolton Center Lecture**
by David O’Connor, 2000 Olympic Gold Champion in Eventing
Woerner Amphitheater, George D. Widener Hospital for Large Animals
New Bolton Center
For information, contact Patricia Hall at (610) 444-5800 x2500 or via e-mail at <phall@vet.upenn.edu>.

**November 2002**

2
**2002 Rush Shippen Huidkoper Society Dinner**
Independence Seaport Museum
Philadelphia, PA
To recognize the School of Veterinary Medicine’s most generous donors and friends. For information, contact Joshua E. Liss at (215) 898-1481 or via e-mail at <lissj@vet.upenn.edu>.

19
7:30 p.m.
**Friends of New Bolton Center Lecture**
by John C. Kimmel, V’80, Horse Trainer
Woerner Amphitheater, George D. Widener Hospital for Large Animals
New Bolton Center
For information, contact Patricia Hall at (610) 444-5800 x2500 or via e-mail at <phall@vet.upenn.edu>.

**December 2002**

5
6:00-8:00 p.m.
**Alumni Reception**
American Association of Equine Practitioners Annual Convention
Gaylord Palms Resort and Convention Center
Orlando, FL
For information, contact Joshua E. Liss at (215) 898-1481 or via e-mail at <lissj@vet.upenn.edu>.

**January 2003**

11-18
**Pennsylvania Farm Show 2003**
Farm Show Complex
Harrisburg, PA
Visit the School of Veterinary Medicine’s booth at the largest indoor agricultural event in America. For information, contact Jeanie Robinson-Pownall at (610) 444-5800 x2182 or via e-mail at <jeanierp@vet.upenn.edu>.

25
**Annual Canine Symposium for Owners and Breeders**
E.R. Marookian, V.M.D. Auditorium
Veterinary Hospital of the University of Pennsylvania
For information, contact Dr. Josephine Deubler at (215) 898-8862.

29-30
**2003 Penn Annual Conference**
Adam’s Mark Hotel
Philadelphia, PA
For information, visit <http://alumni.vet.upenn.edu/pennannualconference.htm>.

**February 2003**

14
2:00-4:00 p.m.
**Veterinary Medical Alumni Society Executive Board Meeting**
Alumni Hall
New Bolton Center

**March 2003**

19
2:00-4:00 p.m.
**Veterinary Medical Alumni Society Executive Board Meeting**
Alumni Hall
New Bolton Center

22
**Annual Feline Symposium for Owners and Breeders**
E.R. Marookian, V.M.D. Auditorium
Veterinary Hospital of the University of Pennsylvania
For information, contact Dr. Josephine Deubler at (215) 898-8862.

**April 2003**

11-18
**Alumni Weekend 2003/Reunions for Classes ending in “3” or “8”**

19
**School of Veterinary Medicine Class of 2003 Commencement**

**May 2003**

14
2:00-4:00 p.m.
**Veterinary Medical Alumni Society Executive Board Meeting**
Veterinary Hospital of the University of Pennsylvania

16-18
**Alumni Weekend 2003/Reunions for Classes ending in “3” or “8”**

19
**School of Veterinary Medicine Class of 2003 Commencement**

Visit the School’s web site at www.vet.upenn.edu

---

Nonprofit Organization
U.S. Postage
PAID
Philadelphia, PA
Permit No. 2563

Printed on recycled paper.