In January VHUP opened the Special Species Medicine Clinic. “‘Exotics’ sounds too exotic,” says Karen Rosenthal, DVM, MS, ABVP-Avian, Director of Special Species Medicine, which treats all house pets beyond dogs and cats: ferrets (the third-most popular pets in the country), rabbits, reptiles and birds, for starters.

(See full story on page 3)
From the Dean

The School recently completed an interesting and worthwhile exercise. Last November, we were reviewed by six well recognized academicians from the leading veterinary schools in the U.S. This was the first academic external review ever at the School. Moreover, I believe it was probably the first of its kind in the U.S. for my fellow deans are unaware of a similar review of any other veterinary school.

The initiative to review schools came from Judith Rodin when she was appointed president in 1995; this year it became the turn of the School of Veterinary Medicine. In preparation for the two-day visit we were required to assemble an exhaustive self study that looked at every aspect of our academic programs. This three-month process was one of the most useful aspects of the entire exercise as it forced us take a detailed examination of the School’s programs and operations and acknowledge both our strengths and weaknesses.

The external review team brought these into sharp focus. They were very supportive of the School for the opening lines of their report read “the School deservedly enjoys a superb reputation as one of the very best schools or colleges of veterinary medicine anywhere. The School is well managed, the educational programs are strong and several basic science and clinical programs are undeniably the best in the world.” The team was also struck by the high level of morale in the School, especially among the senior students and junior clinical faculty. The review team continued by recognizing that the School faces some difficult and important challenges, two of which stand out.

First, we do not have computerized systems to support a number of our administrative, teaching, and service programs, including maintenance of clinical records and, further, there are inadequate electronic links between New Bolton Center and Philadelphia. The criticisms are accurate and not unanticipated. Having successfully steered the School through the Y2K issue, Carol Katzman, assistant dean for computing, and her IT group are now devising a comprehensive new system for the School and plan to introduce it by the Fall. I expect this will revolutionize the way we operate and look forward to it; the plan will include the opportunity for referring veterinarians to follow their cases in the hospitals on a daily basis.

A second criticism concerned the quality of our teaching and research facilities. The team states “existing lecture rooms and research space are totally inadequate and cannot be renovated to meet current and future needs. The School of Veterinary Medicine’s future is in jeopardy unless a new teaching and research facility is constructed as soon as possible.” Not only is the analysis accurate, it is extremely helpful as it is an external, impartial evaluation of the state of our facilities. I intend to use the admonition in Harrisburg and elsewhere as we pursue the quest to raise funds for a new teaching and research building. I expect this will revolutionize the way we operate and look forward to it; the plan will include the opportunity for referring veterinarians to follow their cases in the hospitals on a daily basis.

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The Gilbert S. Kahn
Dean of Veterinary Medicine

Opportunity Scholarships Added

Alumni and supporters of the School contributed nine new Opportunity Scholarships during recent months. The Opportunity Scholarship Program, an alumni initiative, is designed to foster scholarship and alumni mentoring. The program was begun in 1998. The four-year-term scholarships match first year students with alumni or faculty mentors. The following donors provided Opportunity Scholarships for the incoming Class of 2004:

- Dr. Andrew Elser, V’87
  In honor of faculty members
  Dr. William Chalupa and
  Dr. Charles Ramberg

- Ms. Monica Hawkins
  In memory of Dr. Jay Jasan, V’93

- Dr. Steven Melman, V’73

- Dr. Harold Schaden, V’40

- Mrs. Anne F. Thorington
  In memory of Dr. Eric Tulleners

- Drs. Brenda, V’70, and
  James Stewart, V’68, and
  D. Robert Vallance, V’70

- Catherine A. Popovitch, D.V.M.
  and A. Jon Nannos, D.V.M.

- Dr. William McCormick, V’73
  In honor of Dr. Rooney

Increase in Gifts to the School

Contributions to the School of Veterinary Medicine in FY 99 (7/1/98–6/30/99) increased by 5.7% over the previous fiscal year. In 1999, more than 3,500 contributions provided $7,597,524.00 in gifts and pledges. Of this amount, $2,467,000.00 was contributed by veterinary and other Penn alumni.

Contributions in FY 98 (7/1/97–6/30/98) in gifts and pledges were $7,188,296.00.

Research funding increased by 28% to $17,134,536.00 in FY 99 from $13,420,225.00 in FY 98.

Contributions to the School in FY 2000 through January 31, 2000 totaled $3,227,685.00 in gifts and pledges.
Special Species Clinic Opens At VHUP

If you go to a pet store and fall madly in love with an iguana, know that iguanas require UV lighting and temperatures up to 110°. Avoid the clerk’s encouragement to buy your pet a mate—iguanas prefer solitude. That 10-gallon aquarium is only good for about a year, after which the critter outgrows it, if not your entire apartment.

Unfortunately, most people who acquire exotic pets are clueless, and therein hangs this tale.

In January VHUP opened the Special Species Medicine Clinic. “Exotics sounds too exotic,” says Karen Rosenthal, DVM, MS, ABVP-Avian, Director of Special Species Medicine, which treats all house pets beyond dogs and cats: ferrets (the third-most popular pets in the country), rabbits, reptiles and birds, for starters.

“Everyone knows that if you spay or neuter a dog or cat, the animal will be calmer,” says Rosenthal. But if you impulse-buy an iguana, you might not realize that, as the male becomes sexually active at about age one, it may bite the hand that feeds it.

While most veterinarians can handle the medical and surgical needs of cats and dogs, they may be less conversant with the nutritional needs of, say, a Solomon Island boa. But Evelyn Ivey, DVM, and Rosenthal each spent two years in residencies in special species, and so forth, that most veterinary practices don’t have access to.

The special species clinic features cages with adjustable heaters on its own ward, with its own specialist nurse, Mary Taylor. Regular hours are Monday and Wednesday during the day, appointments need to be made. Emergency service is available only for pets that have already been seen in the special species clinic.

People get as attached to these animals as they do to Fifi and Fido, says Rosenthal, but exotics often require a financial investment. So owners may be even more eager for a cure, or at least a diagnosis. One of her first VHUP patients in the new clinic was a hyacinth macaw with a wound on its back. She determined that the bird was healthy and would heal on its own. She wished the bird adieu. Its owner can return at any time.

West Nile Virus Advice

Dr. Jon Palmer, Veterinary Infectious Disease Specialist at New Bolton Center, asks members of the equine community to be aware of the simple precautionary steps that can be taken this spring to reduce exposure to the mosquito-borne West Nile Virus:

Prevent or limit the animals’ exposure to mosquitoes. Horses should be stabled inside from dusk to dawn, and insect repellents should be used.

West Nile Virus causes encephalitis, or inflammation of the brain. It is transmitted by mosquitoes from birds, not by animal-to-animal, or animal-to-person contact. The incubation period is one to two weeks, and signs in horses include a mild flu-like syndrome (depression, listlessness and sometimes fever) or more serious neurologic signs such as weakness, incoordination (stumbling), circling, hyperexcitability, convulsions, paralysis, coma, or even death.

There is no vaccine to prevent West Nile Virus. Although there is no specific medication or treatment for the disease, the signs can be treated by your veterinarian to help the horse through the problem. Horses are considered “terminal hosts” which means that they are not a source of infection for other horses or people. It is highly unlikely that a mosquito feeding on an infected horse could ingest enough of the virus to transmit it to other animals. Thus, it is not necessary to quarantine an infected horse or a farm where infection has occurred and unlike Equine Infectious Anemia (EIA, Swamp Fever), it is not necessary to euthanize infected horses. In outbreaks which have occurred in the Mediterranean basin about half of the horses with serious disease have recovered and have posed no risk to other horses.
Saving a Life

On Thursday, February 3, we had the unfortunate need to use the veterinary hospital to care for our dog, Erie. We want to share our experience with you and to thank the “family” at VHUP that cared for Erie and the two of us.

Thursday night at 10 p.m., after running outside, Erie suddenly became weak and was unable to walk. His pulses were poor and his mucous membranes were gray. We gave him a physical examination at home and were unable to identify a cause for the sudden shock. We drove the 30 minutes to the VHUP emergency service.

Dr. Kristen Hibbets and nurse Danielle Pino examined our dog, started fluid therapy to treat shock, and drew blood. The presence of an ultrasound in the emergency room allowed Kristen to confirm a pericardial effusion (fluid around the heart); Kristen and Susan then performed pericardiocentesis (fluid withdrawal) which produced frank blood. Within minutes of the centesis, Erie’s mucous membranes became pink and his pulses stronger. Erie remained stable until 4:30 a.m.

At 4:30 a.m., Dr. Phil Mayhew called us and informed us that Erie was pale again. We returned to the emergency room where ultrasound was repeated and identified a new accumulation of blood around the heart. Centesis was again performed; more blood was removed, and the emergency room nurses cared for his hydration and perfusion states. A rather tenuous stability was achieved and we waited until morning to discuss therapy with the specialists. During this time Erie was monitored via Dynamap, continuous ECG, blood gas analysis, the new coagulation monitors, and constant re-evaluation by nurses and students in the emergency room.

At 7 a.m., by using our portable phones, we contacted both Drs. Nuala Summerfield and Dan Brockman, who were on their way to work, and described Erie’s condition. By 7:30 a.m., Erie was being examined by both the sections of cardiology and surgery. Dr. Summerfield, using the cardiology echocardiogram, identified a mass associated with the right atrium. Dr. Brockman spent very useful time telling us our surgical and non-surgical options to treat the suspected heart base mass and to control the hemorrhage. By 8:30 a.m., Susan and I decided to have Dan perform a pericardiectomy and to visually evaluate the right atrium. Dan arranged with the blood bank, specifically Kym Marryott, to have whole blood and plasma ready; due to Erie’s status as a blood donor, his blood type was easily available on file. Crossmatching, CBC, serum chemistry analysis, and coagulation profiles were immediately collected and delivered to the laboratory with the aid of Dr. Cliff-cardium. Blood freely flowed through this hole between the atrium and the pericardium resulting in pressure on the heart. Dan and Greg removed the pericardium, performed a partial resection of the mass, and oversewed the defect in the atrial appendage. The mass was sent to the veterinary school’s biopsy service for evaluation. Post-surgery, Erie was moved to ICU to recover. He received additional whole blood. Erie’s mucous membrane color returned to normal and his blood pressure stabilized.

By 4 p.m., he had produced over 500 ml of blood from his chest tube. Although appearing stable, he continued to lose blood three hours after surgery suggesting that re-exploring the thorax would be necessary. The earlier blood loss and the neoplasm had depleted Erie’s platelets and clotting was likely impaired. At this point we had the defensive choice to discontinue further therapeutics, make him comfortable, and spend some final moments with him. Maybe that was even the correct thing to do considering his likely long-term prognosis and his immediate condition. He had already received two units of whole blood, three units of packed red cells, and eight units of plasma and was still unstable. However, the choice was really never a possibility — neither for us nor for the hospital staff. Within minutes, four people and others had volunteered their dogs for blood donation. I walked through the wards to the blood bank headquarters. Here, Donna Oakley, Kym Marryott, and Krista Drew, were collecting blood from waiting donors. Thankfully, the blood would be available not only for Erie but for other emergency admissions. In a week when an eastcoast human blood shortage had been declared, and both a snow storm and ice storm had occurred, and on a day when another two inches of snow fell, both staff and students were traveling to bring in their dogs to donate blood. Moreover, we had to ask the names of many of the people

an account of an emergency case
by Drs. Charles Vite and Susan Volk
helping us for we did not know who they were; they all surely did not know Erie, yet they knew what was needed and made it available.

Erie went on to a second surgery to try to control the bleeding into his thorax. Drs. Brockman and Griffin, and student Jenn Hopkinson, re-opened the carefully wired-together sternum, identified bleeding vessels in the mediastinum, cauterized the vessels, and Erie was again in recovery under the observation of the section of anesthesia. He returned to ICU were Drs. Brady, Campbell, and Waddell monitored his recovery.

This experience left me, as a veterinary neurologist, with a little role. In fact, it allowed me only the role of a client able to intimately watch the functioning of our hospital; an opportunity that not even the most dedicated of our clients is able to experience. I was in awe of the way that each person functioned specifically and independently in caring for Erie and yet completely contributed to his excellent care. I was brought to tears at the way that people I did not even know volunteered to have blood drawn from their dogs to treat a dog they did not know. And finally, I was amazed that when the day ended, all the other cases in the hospital had been cared for in a similar fashion by the same people; that the students were receiving training and experience by caring for Erie and other client-owned animals; and that perhaps for no one else but for Erie, Susan and I, this was an unusual and miraculous day. A day that it was her job and she treated all cases this way — she was just happy to see it done this time for someone that she knew. Perhaps for me, the place is an extended family, but from what I saw and know, this family works just as hard for those people not directly a part of it. I can only imagine what the client’s miss by only getting to see snapshots of how this place works.

Erie was in ICU recovering from surgery and cared for by a partially new group of clinicians, students, and nurses, all working at the same high level as the group the day before. They deserve the same thanks and respect as all clinicians, nurses, students, and support staff here the day before. When Erie is no longer here we hope to remember all the love and care that all three of us experienced and to be able to provide it for our VHUP family and to our clients.

P.S. Erie recovered and was discharged from VHUP. His final diagnosis was hemangiosarcoma. Erie lived for six weeks following surgery and was happy and playful. He passed away March 26.

Editor’s note: Dr. Charles Vite is a neurologist and a research fellow at the School. Dr. Volk is an intern at VHUP and will begin a residency in surgery in July.

High Risk Pregnancy Program

The High Risk Pregnancy Program at New Bolton Center is twelve years old. It has been housed in its present location, the Graham French Neonatal Section of the Connelly Intensive Care Unit, New Bolton Center, University of Pennsylvania, for 10 years and over 1,000 neonates have been seen there. The program is modeled after regimens developed 20 years ago in human medicine. The intention is to identify high-risk pregnancies and intervene in time to help both the foal and the mare.

There are basically two groups of mares in the program:

1. Mares who have the same problems year after year. We encourage owners to have these mares foal at New Bolton Center to minimize problems. Many of the troubles begin prenatally, and we can monitor the fetus to keep track of how it is doing. Depending on the problem, the fetus can be treated — some treatments are simple, while others are quite complex.

Many mares in this category have problems with the placenta, which can be detected with ultrasound examinations. The most common problem is placentitis (inflammation of the placenta), which can be treated with antibiotics, non-steroidal anti-inflammatory drugs, and by supple-

menting the mare with the hormone progesterone. Placentitis interferes with oxygen delivery. If the mare’s blood oxygen level is normal, she still can be placed on supplemental oxygen and this will result in more oxygen being delivered to the fetus.

The fetal heart rate is monitored, and this information is used to determine if the foal is in distress. Although there is still a lot to be learned about interpreting fetal heart rate patterns, there are changes that indicate a positive response after the mare is placed on oxygen.

2. The second group of patients in the High Risk Pregnancy Program are mares with new problems that put their pregnancies in jeopardy. The “new problems” can be anything that needs treatment: colic, laminitis, hernias, and anorexia, to name some common ones. The mare must be treated in terms of how her medical problem and how the treatment (such as medication) affect the fetus.

If a mare is off-feed the fetus is not getting enough nutrients, and we can give the mare an IV and monitor the fetus for distress while the mare is treated. (A mare who is completely off-feed for 36–48 hours without IV feeding is at great risk for aborting seven to ten days later even if she begins eating again).
Dr. Tulleners

Dr. Eric Peter Tulleners, the Lawrence Baker Sheppard Professor of Surgery in the School of Veterinary Medicine, died of cancer on January 16 at the age of 47. He was an expert in upper respiratory tract dysfunction in horses and pioneered the use of laser surgery to treat them. He also studied laparoscopic surgery for horses and general surgery for cows.

Dr. Tulleners received his B.S. with honors in Animal Science from California Polytechnic State University at San Louis Obispo in 1974, and his veterinary degreee with honors from University of California at Davis in 1978. He served as an intern at Western College of Veterinary Medicine in Canada, and as a resident at Penn’s New Bolton Center.

He became a lecturer in the School of Veterinary Medicine in 1981, and was promoted to assistant professor of surgery in 1982, as well as becoming the Head of Food Animal Surgical Services. In 1986, Dr. Tulleners became the Head of the newly-founded Laser Surgical Services and in 1991 he was named Chief of the Section of Surgery. He was named the Lawrence Baker Sheppard Associate professor of Surgery in 1993, and attained the rank of Professor in 1998. He was a Fellow of the American Society for Laser Medicine and Surgery, and last year was elected to a three-year term on the Board of Regents of the American College of Veterinary Surgeons.

Dr. Tulleners is survived by his wife Susan Y. Ashburn Tulleners; their two children, Pamela Diane and Steven Eric Tulleners; two brothers, Frank Leonard Tulleners and Robin Mark Tulleners; and three sisters, Joyce Patricia Simpson, Michelle Laureen Tulleners, and Paulette Arnow Howell.

Donations may be made either to the Pamela and Steven Tulleners Trust Fund, c/o Commonwealth Bank, New Garden Shopping Center, Kennett Square, PA 19348; or to the Dr. Eric Peter Tulleners Scholarship Fund, c/o Trustees of the University of Pennsylvania, New Bolton Center, 382 West Street Road, Kennett Square, PA 19346-1692.

Gentle Giants — Speedy Surgery

Clydesdales, Belgians, Percherons, and Shires — weighing anywhere from 1,600 to 2,525 pounds — arrive at New Bolton Center from as far away as Iowa, Florida, Wisconsin, and Canada for laser surgery on their airways. Techniques developed by the late Dr. Eric Tulleners allow surgeons here to perform this surgery safely.

The surgery is needed to repair a paralysis on the left side of the larynx, a common problem of draft horses. While not life-threatening, affected horses make a whistling or roaring sound and cannot tolerate exercise. “We remove the paralyzed left vocal cord by laser surgery and pull open (“tie back”) the cartilage flap, both of which have collapsed into the windpipe causing an obstruction that can deprive the horse of greater than 50% of normal airflow. Without the surgery the horse can function well standing or walking, but can not tolerate any strenuous exercise,” explains Dr. Eric Parente, part of the laser surgery team at New Bolton Center which also includes Drs. James Orsini and Michael Ross.

The horses’ weight is a challenge for anesthesia because they can develop nerve and muscle damage from being in one position for too long without enough padding. Since their body weight can literally “crush” their nerves, the operating table is especially heavily padded. A whole surgical team, each knowing his or her part, carefully and quickly coordinates their tasks and anesthesia time is kept to a minimum.

New Bolton Center’s operating room at the Kline Center is equipped to handle these huge patients. The overhead monorail used to move patients from the induction (anesthesia) stall to the operating table is strong enough to carry the load, and the operating table is big enough to handle these equine giants. The high-quality personnel and these technological advancements make New Bolton Center the leader in respiratory surgery in the draft horse.

Join Us for the

American Gold Cup
September 14-16 at the
Devon Show Grounds,
Devon, PA

and the

School’s Open House
September 23rd at
New Bolton Center,
Kennett Square, PA

Reprinted with permission from Almanac.
Philadelphia Team Discovers Large Plant-Eating Dinosaur in Montana

Last summer a team of researchers from the University of Pennsylvania and the Academy of Natural Sciences of Philadelphia led by paleontologist Dr. Peter Dodson uncovered the 145-million-year-old remains of a large herbivorous dinosaur on federal land in southern Montana southwest of Billings. The Jurassic dinosaur was found in scenic dry grassland country in the foothills of the Pryor Mountains. It is believed to be a long-necked diplodocid sauropod dinosaur similar to the well-known taxon Apatosaurus. Diplodocid remains are widely distributed in Utah, Colorado and Wyoming, but this is one of the first reported discoveries in the state of . By the fourth day of excavation over 35 complete bones including a beautifully-preserved scapula (shoulder blade) 43 inches in length and a 54 inch claw and jaw fragments has been removed. The excavation site measured more than 18 by 30 feet.

The six team members included graduate students Allison Tumarkin of White Plains, N.Y. and Matt Lamanna of Waterloo, N.Y., as well as Dr. William Donawick, all from the University of Pennsylvania. Additional members were from the Academy of Natural Sciences: Jason Poole, the Dinosaur Paleontology Lab Manager and attorney Patricia Kane-Vanni, a Museum Paleo-Educator and volunteer. Dodson, Tumarkin and Lamanna are all residents of Philadelphia. Donawick lives in West Chester, PA. Kane-Vanni resides in Bala Cynwyd and Poole in Lansdowne, PA.

Donawick is a large-animal veterinary surgeon at Penn’s New Bolton Center and is a colleague of Dodson in the University of Pennsylvania School of Veterinary Medicine. Donawick joined the Tillett family by virtue of the marriage of his daughter Melinda to Will Tillett. It was Donawick and Tillett who first discovered the fossil locality in the fall of 1998 while Donawick visited his daughter in Lovell, Wyoming. Upon his return to Philadelphia, Donawick communicated the discovery to Dodson, a veterinary anatomist and dinosaur specialist, and proposed this expedition.

The Tillett family have been ranchers in the area for several generations and are no strangers to dinosaur discoveries. In the 1960s Professor John Ostrom of Yale University collected dinosaur fossils for several summers on the Tillett ranch. In 1970 Dr. Ostrom honored the family by naming a plant-eating dinosaur found on the ranch Tenontosaurus tilletti.

The specimens will be prepared in public view in the Academy of Natural Sciences’ Dinosaur Hall. They will then be housed in the Academy’s vertebrate paleontological collections. The research is sponsored by the University of Pennsylvania, the Academy of Natural Sciences and a private donor. The excavation was carried out in federally managed land by permit from the Bureau of Land Management.

Update on Project: M.A.R.E. (Monitoring Abortions & Reproductive Efficiency in Pennsylvania)

Researchers at the School of Veterinary Medicine received funding from the Pennsylvania Department of Agriculture for a three-year study beginning January 1, 1999 to identify the causes of abortion and pregnancy wastage in horses in Pennsylvania. Dr. Patricia Sertich, assistant professor of reproduction, and Dr. Perry Habecker, assistant professor of pathobiology, are the chief investigators. The grant is underwriting the cost of necropsy, diagnostic tests, and associated costs—everything is provided free of charge to the mare owner.

The success of this project relies on the participation of Pennsylvania broodmare owners and their attending veterinarians. Early in 1999 horse breeders in the state were sent a short survey to determine their preventative management of broodmares and to solicit their participation for this project. (If you are a breeder and did not receive a survey, please call!!) Owners who complete a Project: M.A.R.E. management survey and provide properly submitted specimens receive a complete necropsy and associated tests on aborted fetuses and neonates less than 48 hours old. The grant includes fetuses from: (1) broodmares owned by Pennsylvania residents, including mares boarded out-of-state, and (2) broodmares owned by non-residents but bred to a Pennsylvania sire.

Veterinarians who provide reproductive care for these breeding farms were also solicited to participate in Project: M.A.R.E. and received information and materials to properly submit diagnostic specimens for determination of the cause of pregnancy loss in any aborting mares. If possible, the entire conceptus, including fetal membranes, should be submitted to the New Bolton Center Laboratory of Large Animal Pathology & Toxicology. If it is not feasible for breeding farms and their veterinarians to transport the concepti to the necropsy laboratory in a timely fashion, the Necropsy Kit may be used. Necropsy Kits are available without charge and contain all necessary collection supplies, submission forms, and other required materials including prepaid UPS overnight return shipping. Also included in each Kit is an eleven-minute instructional videotape demonstrating the step-by-step procedure of how to conduct an effective fetal necropsy.

If you or someone you know would like to become enrolled in Project: M.A.R.E., please contact us. Results of the study will identify the causes of pregnancy wastage of mares in Pennsylvania. Once these causes are identified, we can develop research projects to help control the pregnancy loss. Please contact Patricia Sertich, V.M.D. at 610.444.5800 x2229 or Perry Habecker V.M.D. at 610.444.5800 x2385.
A citation of gratitude to
Robert L. Ticehurst, V.M.D.
University of Pennsylvania
School of Veterinary Medicine
Class of 1934

A loyal and supportive alumnus since you began your practice in 1936. Involved in various types of practice, your special interest was in pet and equine medicine. The author of many papers on equine practice and a frequent lecturer, early on you displaced a keen interest in professional education.

Altruism comes to mind when Bob Ticehurst’s name is mentioned. You are no stranger to service to the community where many benefitted from your volunteer efforts, including Penn’s Veterinary Alumni Society, the American Animal Hospital Association, the New Jersey, Metropolitan New Jersey and Central New Jersey veterinary medical associations, First Presbyterian Church, Red Bank Lodge 277, the Red Bank Rotary Club and the Second Century Fund Alumni Committee to mention just a few.

Students continue to be the mainstays of your kindness. As a moving force in establishing the Second Century Fund Campaign’s John Baxter Taylor Scholarship Fund and as a loyal Ben Franklin Society member, you continue your generosity by honoring Mark and Lila Allam with Opportunity Scholarships in their names. Your Alumni Award of Merit was a well-deserved celebration of your generosity.

As a loving parent of three accomplished children—with your life partner Alice for almost 65 years—your actions have taught them the qualities of humanitarian life.

The University of Pennsylvania School of Veterinary Medicine has chosen the occasion of The North American Veterinary Conference 2000 to pay tribute to you and your exceptional accomplishments by awarding you the Bellwether Leadership Medal. We celebrate your thoughtful compassion and contributions to society in general and the School of Veterinary Medicine in particular.

January 16, 2000

John D. McCullough, V.M.D.
University of Pennsylvania
School of Veterinary Medicine
Class of 1943

A loyal and supportive alumnus, after graduating in ’43, you moved to Clarion County, Pennsylvania with Dorothy and practiced—mostly bovine—veterinary medicine until 1952. Ever the adventurer when your Country called you to serve, your willingness to stay in the Air Force provided many opportunities to continue to treat patients and travel Overseas and throughout the country.

Your financial savoir-faire was evident even as a student, and continues with the Haines City Cooperative where your Florida orange grove has flourished. The oranges from your grove provide yet another example of the kindness you have shown to people at the School of Veterinary Medicine. We are most appreciative to be the recipient of your myriad talents.

The School is endlessly indebted to the generosity shown by you and Dorothy with the innovative idea and creation of the John D. and Dorothy W. McCullough Research Fund at New Bolton Center. By providing an opportunity for faculty to take sabbatical leave and pursue special training, new research programs are developed and the faculty is revitalized. You have set a sterling example of forethought for the future of the School of Veterinary Medicine. For this we are profoundly grateful.

The University of Pennsylvania School of Veterinary Medicine pays tribute to you and to your exceptional accomplishments. We applaud and are thankful for the distinguished recognition you bring to the School of Veterinary Medicine and the University of Pennsylvania and present to you today the Bellwether Medal.

January 12, 2000

Former Dean Edwin J. Andrews presents the School’s Bellwether Medal to Dr. McCullough on behalf of Dean Kelly.

Leadership Medal. We celebrate your thoughtful compassion and contributions to society in general and the School of Veterinary Medicine in particular.

January 16, 2000

Alumni Day
May 21, 2000
Watch for your Alumni Day invitation in the mail!

Saturday: Players breakfast with the dean at Loch Nairn Golf Course, Avondale, Pa. Followed by a golf tournament with great competition and prizes. For non-golfers there will be a tennis tournament.

In the evening festivities commence with the dean’s cocktail party at the Allam House.

Sunday: Alumni Day at New Bolton Center — fun for the whole family with plenty of activities for children.

Almost forty years ago you entered the School of Veterinary Medicine and it has never been the same; your influence permeates the very core of its education, policy and procedures, and aquatic animal medicine. After graduation in 1961 your career began as an instructor in anatomy and within five years a move to an Assistant Professor of Epidemiology Biostatistics. It was there that your fame began with the profound observation that half the people in the world are below average. While working on a leukemia project, it was noted that you maintained a desk that was always orderly, precise, uncluttered and immaculate — clearly the sign of a very sick mind! However, Dean Mark Allam was impressed and in 1970 appointed you to Associate Dean to organize the new Core-elective curriculum — a curriculum which you voted against! No other faculty member had the talent to pull all the details together. It was no accident that this curriculum became so complicated that only you could understand it. For nineteen years with little change to this day — and under three Deans — the education component of this School was successful under your tutelage. It has served the School extraordinarily well and for this we owe you an enormous debt of gratitude, praise and thanks.

From summers sailing on Cape Cod your experience ingrained a belief that you were destined to be an old salt. It was instinctive that you would become the Rear Admiral behind Dean Marshall’s Admiral of the Fleet, in an era marked by facial characteristics of all administrators — as hair left the top of heads in increasing amount and shifted to chins — you, Don, increasingly looked like the old man of the sea. Thus, with a beard full grown, organizing Aquavet was a natural progression of your career, doing the two things you love best: teaching and sailing on Cape Cod. Not satisfied to be by the water only in the summer, in 1990 you moved to Cape Cod permanently and headed the Aquatic Animal Medicine & Pathology Lab in Woods Hole while continuing the success of Aquavet training. It is to your credit that there is not a single person holding a significant position in aquatic animal medicine in the US today who has not graduated from the program you created.

We have honored you in the past with the Alumni Award of Merit and the International Association for Aquatic Animal Medicine has recognized you many years of leadership in promoting aquatic animal health and today, The University of Pennsylvania School of Veterinary Medicine has chosen the occasion of the Penn Annual Conference 2000 to pay tribute to you and to your myriad accomplishments. We applaud your dedication to your alma mater and are proud to present to you the School of Veterinary Medicine Bellwether Medal.

January 26, 2000

Graduating in 1966, you are a rare man who absolutely loves your job, loves veterinary medicine, loves the School and does everything you can to promote both the profession and the School.

For your extensive contribution to your profession with the City of New York Mounted Police Department, to your efforts in veterinary education in your role as a Deputy Examiner, to your persistent commitment and avid support of the School, we are grateful. Your service on the VMAS Executive Board for many years and your leadership as its president in 1991 demonstrated your belief in the ideals of education. Your continued support of the School led you to revamp Alumni Day, doubling the attendance and making it the most successful it has ever been. From focusing on making it a family day at New Bolton Center, to organizing the Alumni Golf Tournament, you have promoted good will and spirit among our alums. By your example, your son Eric so that now you have three additional practices with increased emphasis on feline care.

The University of Pennsylvania School of Veterinary Medicine has chosen the occasion of the Penn Annual Conference 2000 to pay tribute to you and to your myriad accomplishments. We applaud your dedication to your alma mater and present you with the School of Veterinary Medicine Bellwether Medal for Leadership.

January 26, 2000
Hurricane Floyd roared into the Delaware Valley right as the American Gold was to begin. It washed out the first day, September 16, but left in its wake glorious weather for the remaining three days.

The event, held at the Devon Show Grounds, again benefitted the School and its two hospitals. There was a huge contingent of riders and due to the loss of Thursday, competition began early on Friday morning and continued right through Sunday afternoon. Michael Matz on Judgement, owned by Ironspring Farm, captured his fourth American Gold Cup. Horse and rider were great crowd favorites and it was a very popular win for these local contestants.

The School was very much in evidence during the event. Faculty, staff and students volunteered as ticket takers, program sellers and in many other roles. On Saturday, Family Day, the M.A.S.H. tent was set up, staffed by Dr. Harvey and a large group of residents, nurses and students who treated many stuffed animal patients in need of healing.

The dog show, judged by Carol Ericson of KYW-TV and Mary Rehmer, attracted a large entry of talented and cute dogs with their owners. It was quite hard to select just one winner from all that talent. Many children brought drawings or paintings of their pets for entry in the art show.

Friday evening’s reception in honor of Dr. Charles Raker, Emeritus Professor of Surgery, drew a large crowd of colleagues, former students and clients.

The 1999 American Gold Cup raised more than $65,000 for the School and its two hospitals. The 2000 edition of the event is scheduled for September 14 through 17, again at the Devon Show Grounds. We hope to see you and your family there.
An Evening in Old Saratoga

For the last seven years the first weekend in August in Saratoga, NY has been dominated by New Bolton Center, thanks to the members of *A Weekend in Old Saratoga*, a group of coaching enthusiasts who are dedicated to the advancement of pleasure driving and coaching in America.

Between August 5 and 8, horse-drawn carriages, ranging from single-pony carriages to stately four-in-hands, were a common sight in Saratoga as carriage enthusiasts traveled to polo and the races.

On the evening of August 7, 1999 many of the carriages transported guests to the gala dinner dance, *An Evening in Old Saratoga*, at Victoria Pool in the Saratoga State Park at Saratoga Springs. This event, underwritten by Sotheby’s, benefitted New Bolton Center. More than 300 guests danced the night away to music by the Alex Donner Orchestra and participated in the silent auction. The gala, chaired by Mrs. Lawrence E. Ensor, raised $100,000 for an exercise physiology laboratory in the to-be constructed Almira and Hardie Scott Sports Medicine Building.

Activities focused on New Bolton Center began on August 5 with a carriage drive to the Saratoga Racecourse for the New Bolton Center Race which was run in honor of the Center’s “honorary graduate” Go for Wand, the spectacular filly bred and owned by Mrs. Harry Lunger’s Christiana Stables. Go for Wand, racing in 1989 and 1990, earned $1,373,338, won ten of 13 starts, captured the Breeder’s Cup and two Eclipse Awards. Go for Wand was fatally injured in the 1990 Breeder’s Cup Distaff race. She was inducted into the Racing Hall of Fame in 1996.

Mrs. Ensor is also the chairman of *A Weekend in Old Saratoga*. Other members of the board of directors are: Mr. John R. Landan, Jr., president; Mr. Gregory L. Landis, vice president; Mr. Gilbert V. H. Sheck, vice president; Mrs. John R. Landan, Jr., secretary; Mr. Charles F. McWilliams, treasurer; Mr. William J. Buchanan; Mrs. Georgiana Ducas; Mrs. Charles F. McWilliams, chair, silent auction; and Dr. Gary Montsdeoca.

The galas at Saratoga have raised more than $700,000 for equipment and facilities at New Bolton Center. The 2000 edition of *A Weekend in Old Saratoga* will be held August 2 to 5, with the gala on Saturday, August 5.
Dr. W. Harker Rhodes Honored

Dr. Rhodes has made varied and important contributions to the development of veterinary radiology in the United States. Specifically, he was instrumental in the formation of the American Board of Veterinary Radiology (now the ACVR), and the Journal of the American Veterinary Radiology Society (now Veterinary Radiology & Ultrasound).

In 1955, after graduating from the University of Pennsylvania School of Veterinary Medicine, W. Harker Rhodes began radiology training in the Graduate School of Medicine at the University of Pennsylvania. Prior to veterinary school he had graduated from New York University and served in the Navy Hospital Corps. After completing a Masters of Science Degree in Radiology and as the radiologist on the veterinary school faculty at Penn, he felt the need for an organization limited to veterinarians in the specialty of veterinary radiology.

Dr. Rhodes’ contributions to the development of the American Board of Veterinary Radiology were detailed in a paper on the development of veterinary radiology in North America written by Dr. Ed Gillette.

In February 1955, Rhodes addressed a letter to the deans of veterinary schools to obtain information concerning the status of radiology and to obtain information basic to the design of an “ideal” veterinary radiology department. The response to this inquiry prompted him to write W.D. Carlson stating that “liaison among the persons responsible for the study, teaching and practice of radiology in the veterinary medical teaching institutions in the United States and Canada is very unsatisfactory. I find this fact agreed upon by all such veterinary radiologists with whom I have had contact.” Rhodes proposed a meeting of those teaching radiology to discuss matters of mutual interest. This meeting was held November 18-19, 1957. In the minutes of that meeting is the statement, “it should be brought out that the interest and problems of veterinary radiology were discussed as a group problem by specialists in radiology for the first time in the history of veterinary radiology.” At that meeting the organization Educators in Veterinary Radiologic Science (E.V.R.S.) was formed. Rhodes was the first president of the E.V.R.S.

In 1960, the E.V.R.S. began selection of the initial members of the proposed American Board of Veterinary Radiology (A.B.V.R.). Those selected were Drs. W.H. Rhodes, W.D. Carlson, and Gary Schnelle. At the fifth E.V.R.S. meeting in Chicago, November 25, 1961, concern was expressed about the organizing body of the A.B.V.R. In such a group of strong personalities egos were bound to be bruised and it was to their great credit that they were able to accomplish the first step in the formation of the Board.

In 1962, Drs. William Banks, William Carlson, Mack Emmerson, W. Harker Rhodes and Gerry Schnelle were given temporary recognition as an organizing committee for the American Board of Veterinary Radiology by the Council on Education of the American Veterinary Medical Association. Rhodes served as Chairman and Emmerson as secretary of that committee. Dr. Rhodes also participated as an examiner for the first examination that was given in 1965 to six people. Final approval for the formation of the specialty board in veterinary radiology was granted by the American Veterinary Medical Association in 1966. The A.B.V.R. was re-named the American College of Veterinary Radiology on November 30, 1969.

Dr. Rhodes’ other major contribution to the specialty of veterinary radiology was his input into initiation of an official radiology journal. This input was detailed in an Editorial that Dr. Thrall wrote in Veterinary Radiology Journal in 1981.

The “radiology journal” had its inception in 1958 as a mimeographed, non-illustrated publication consisting of condensed versions of papers presented at American Veterinary Radiology Society (AVRS) meetings held that year in Philadelphia, PA and Elkhart, IN. Over the next three years, the journal evolved into a conventionally printed and illustrated publication. Papers presented at various AVRS meetings formed the basis of its contents. These early efforts were largely the result of Drs. J.J. Fishler, W.H. Rhodes, J.M. Carter, and C.M. Poole.

In 1963, Dr. Rhodes was appointed editor of the Journal of the American Veterinary Radiology Society. In that year, the journal appeared in a form similar to the form of Veterinary Radiology & Ultrasound and began accepting for review original manuscripts concerned with any phase of veterinary radiology or allied disciplines. For the next nine years, through volume 13, 1972, the JAVRS continued as an annual; a fully illustrated, refereed journal totally devoted to veterinary radiology. The development of veterinary radiology as a specialty can be followed in capsule form by reading Rhodes’ editorials in those issues: 1963—genesis of the JAVRS, 1964—summary of the activities of the AVRS, 1965—first certification examination by the ABVR, 1968—First International Conference of Veterinary Radiologists held in Dublin, Ireland, 1972—the metric invasion. In 1973 and 1974 the JAVRS printed two issues each year and in 1975 the page size increased to 8” x 11” and the number of issues per year to six. The journal had finally grown up. There were production schedules to meet, advertisements to solicit, manuscripts to review, and typos to correct. Unfortunately, at this same time, the
Planned Giving Programs for the School of Veterinary Medicine

Over the years, the School of Veterinary Medicine has received generous support from donors who have made planned gifts through the Planned Giving Programs of the University of Pennsylvania.

Planned gifts are flexible, tax-advantaged arrangements that enable donors to make substantial gifts in ways that complement their personal financial planning. They can be designed to generate life-long income, obtain significant income tax deductions and reduce or eliminate estate taxes. Planned gifts can also be a means of converting low-yielding assets into a higher income stream at a reduced capital gains cost.

The Office of Planned Giving Programs at 1-800-223-8236.
Proper nutrition is an important factor in the health and well-being of companion animals. It’s particularly important when an animal is ill and hospitalized. VHUP’s patients are offered nutritional services, though the emphasis has been on the critically ill in the ICU.

The nutrition service is about to expand its scope, thanks to a two-year grant by Ralston Purina Pet Foods that supports the position of a nutritional nurse at the hospital. “These funds allowed us to hire Charlotte Higgins as a nurse practitioner with a specialty in nutrition,” said Dr. Kathy Michel, assistant professor of nutrition. “Charlotte is only the second nurse with this position, the other is at the veterinary college at The Ohio State University. This new position will provide more comprehensive nutritional support to patients in the hospital.”

Higgins will be working closely with clinicians and nurses to identify animals in the hospital that need nutritional support, not only critically ill patients, but also patients in the wards. She will help clinicians and nurses select the proper food for patients with special needs and guide them through the bewildering selection of specialty foods for various medical conditions. How much to feed is often a puzzle, here the nutrition nurse will help by calculating the caloric needs of the patient and determine the quantities necessary to meet these needs.

Another duty will be to guide the long term nutrition management of patients and to be available to owners once the dog or cat is home. “Charlotte will prepare sample packets of food that are sent home with the animal,” explained Dr. Michel. “People then can determine which food the dog or cat likes best. That way they don’t have to buy large bags and then have left-overs that the pet won’t eat.”

Higgins will be available for nutrition counseling for patients that are not hospitalized but are seen in the clinics during appointments. Often such sessions are needed because the pet is overweight and this aggravates a condition or disease process. She can then develop a reduction diet or a special diet and follow up with the client periodically.

Higgins is in training now. She attends Dr. Michel’s lectures alongside the veterinary students. She accompanies Dr. Michel on rounds and reads a lot on the subject of dog and cat nutrition, not just for healthy animals but also sick ones, “from pediatrics to geriatrics,” as Dr. Michel put it.

When the training is complete, Higgins will assist clinicians and nurses in the management of cases requiring nasal esophageal tubes for feeding, cases needing parenteral nutrition, and those requiring diet management. She will see patients to monitor weight reduction diets or animals with special needs due to chronic diseases. The nurse practitioner will keep abreast of new developments in the nutritional field and will teach other nurses and students. Another goal is the development of a continuing education program in nutrition for nurses.

And who knows, may be one day soon, VHUP will have a weight watchers’ program for dogs and cats!

Charlotte Higgins is a certified animal health technician. She worked as an anesthesia nurse at VHUP and then as a general nurse before accepting this new position.

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**Alumni Award of Merit — Call for Nominations**

**Tell us about a Penn Vet of whom you are proud...**

**Award Guidelines**

The Alumni Award of Merit is awarded each year to three University of Pennsylvania School of Veterinary Medicine alumni celebrating a reunion, whether in practice, academia, industry, research, government service or any other professional area, who:

Advance knowledge in biomedicine, promote 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.

**Selection Criteria**

1. The nominee must be a University of Pennsylvania School of Veterinary Medicine graduate; 2. Nominations shall be submitted in writing to the Alumni Office; 3. The Nominating Committee will assemble and review information pertaining to the nominee’s achievements/contributions to the profession; 4. The awards shall be presented during the Veterinary medical Alumni Society’s general meeting in May.

**Nomination Form**

For the 2001 Alumni Award of Merit, I nominate: (please print)

Name ___________________________ Graduation Year ___________

Address ______________________________________________________________

My reasons for making this nomination are (resume required):

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

Name ____________________________________  Graduation Year ___________

Signature ______________________________________________________________

Address ______________________________________________________________

Please return form to University of Pennsylvania School of Veterinary Medicine, Alumni Office, 3800 Spruce Street, Philadelphia, PA 19104.
Faces from the Past

George A. Dick, B.S., V.M.D., became the sixth dean of the School, in July 1931. He was born in Cheapside, Ontario, Canada, of American parents and then spent his early childhood in Port Allegheny, Pennsylvania. He was able to attend only one year of high school since fire destroyed the school building. As a young man he worked in his father’s shop where wagons were built and horses were shod. In 1896, at the age of 18, he joined a group of men that were enticed to Alaska by the news of the Klondike gold rush. In Alaska young Dick found it hard going. First, there was no gold, and then he was stranded by a group of older men with whom he worked. In order to obtain train fare home he worked as a blacksmith, finally arriving home in 1900. At this time he enrolled in the Ontario Veterinary College, Guelph, Canada. After one year he transferred to the Veterinary Department, University of Pennsylvania where he graduated in 1904 at the age of 27. After graduation, Dr. Dick spent twelve years in Kane, Pennsylvania, where he had a practice in which much of the work was with horses that were used in logging camps. He became interested in the breeding of Ayrshire cattle and carried out some experimental work on brucellosis and sterility in conjunction with the Pennsylvania State Livestock Sanitary Board. In 1915 he attended Iowa State College and received a B.S. degree in animal husbandry.

In 1916 Dr. Dick returned to Penn to teach animal industry, succeeding Dr. Carl W. Gay. His initial appointment was as assistant professor of animal industry; in 1919 he became a professor. In 1921 Dr. Dick introduced a course in poultry husbandry and in the same year he assumed responsibility for extension work and the publication of the Veterinary Extension Quarterly. He continued as Extension Veterinarian until 1931, and taught animal husbandry during his entire career at the School.

Dr. Dean was a striking physical specimen with a gentle, retiring demeanor. Like his predecessor, Dr. Klein, Dean Dick was at the helm of a school that was in serious financial difficulties. In his annual reports Dr. Dick often had to indicate that the budget had been cut, or at best, that no new funds were available. He was obviously greatly concerned an attempted without any great success to develop plans to obtain funds. In this effort he received little help from the University.

Despite the grave situation during Dean Dick’s tenure, the School made progress in its internal affairs, continued to be known for its good educational program. Departments were reorganized, new faculty was appointed, including Drs. Boucher, Allam, Detweiler, Churchhill, Demott, Wadsworth, Blummer, Crissman, Live and Coffin, and admission requirements were increased.

In 1937 Bolton Farm near Fallsington, PA was given to the University by the heirs of Effingham B. Morris. It was the hope of Dean Dick and the vice president for medical affairs, Dr. Alfred Stengel, that the site could be developed into a School of Animal Pathology. This was to be a unit in which comparative medical research would be fostered and would serve all of the biomedical components of the University. An appropriation of $50,000 was obtained from the Commonwealth to provide for laboratories and salaries. This was a good start but no further funds were forthcoming and with the death of Dr. Stengel the dreams for the School of Animal Pathology never became a reality. The Veterinary School Bulletin continued to list a description of this School from 1939 to 1952 but it never became a functional entity. A small amount of money was obtained for research and a few faculty of the Veterinary School carried-out some work within the framework of the School of Animal Pathology. Dr. Evan L. Stubbs and Dr. Robert O. Biltz worked on fowl paralysis, fowl leukosis, and brucellosis in cattle and Dr. Louis A. Klein and Dr. Albert L. Kleckner carried out some studies on catarrhal mastitis.

It was also hoped that Bolton Farm could be used for clinical training, but while groups of senior students did visit the farm, this never developed in to a full-fledged program.

The School received a small amount of money from the Federal B.A.I. and the Pennsylvania Department of Agriculture for research. At the close of his term of office, Dean Dick was able to obtain funds from the Commonwealth to add a third story to the north wing of the quadrangle building.

By the early 1940’s much of the budgetary machinery and important administrative decisions of the School were taken over by the office of the vice president for medical affairs in the University. It was obvious that the University administration wished to make a change and at the same time some influential alumni were clamoring for a strengthening of the School in the financial and research areas. The time had come for Dr. Dick to step down, and according to individuals close to him, he was not reluctant to do so. He had served the School well during a difficult period of time.

John E. Martin, V.M.D.

Students from Azabu University Visit

1999 marked the tenth year of cultural and educational exchange between the veterinary school of Azabu University, Azabu, Japan and the School of Veterinary Medicine. The 16 Japanese veterinary students and two faculty members arrived at VHUP on August 2 for their 11-day stay. They spent one or two days in each of the various services at VHUP, accompanying Penn veterinary students throughout the day. Some evenings were spent observing in the Emergency Service.
Dr. Gail Smith, V’74, professor of surgery, was appointed chair of the Department of Clinical Studies-Philadelphia.

Dr. Kirk Gelatt, V’65, was named the sixth recipient of the Mark L. Morris, Sr. Lifetime Achievement Award. The award was presented during opening ceremonies of the North American Veterinary Conference in January in Orlando, FL.

Dr. Lawrence Gerson, V’75, was elected president of the Pennsylvania Veterinary Medical Association. Dr. Mark B. Guise, V’82, was elected president-elect and Dr. James Rummel, V’79, was elected vice-president. The organization appointed Dr. Richard Detwiler, V’48, as delegate to the AVMA. Dr. Harvey Bendix, V’75, was appointed as alternate delegate.

Dr. Lisa Barber, staff veterinarian, passed her board examinations and is now a diplomate of the ACVIM (Oncology). Dr. Evelyn Ivey, lecturer in special species, passed the ABVP Avian Species boards. Dr. Raquel Walton, lecturer in pathology, passed the ACVP boards and is now certified in clinical pathology. Dr. Teresa Rieser, V’95, lecturer in critical care, and Dr. Lori Waddell, staff veterinarian in critical care, passed the certification exam of the American College of Veterinary Emergency and Critical Care and are now diplomates of the American College of Veterinary Emergency and Critical Care. Dr. Barbara Dallap, V’94, is a new diplomate of the American College of Veterinary Surgeons as is Dr. Heather Swann, V’93, staff veterinarian at VHUP. Dr. Margherita Gracis, lecturer in dental medicine, passed the American and the European dental boards. Dr. Margaret Sleeper, V’93, passed the ACVIM boards in cardiology and is a diplomate of the ACVIM (cardiology). Dr. Diane Frank, lecturer in behavior, is now a diplomate of the American College of Veterinary Behaviorists. Dr. Tanya Lemire, lecturer in pathology, passed the ACVP boards and is now a diplomate of the ACVIM.

Dr. Robert Eckroade, associate professor of poultry pathology, was appointed to the AVMA Legislative Advisory Committee. Dr. Eckroade received a lifetime achievement award from PennAg Industries. He was an invited speaker at the Simposio Internacional Sobre Influenza Aviarin in November in Maracay, Venezuela to present a paper on Avian Influenza Outbreaks in Domestic Poultry in the United States. Dr. Eckroade was appointed chair of the United States Animal Health Association’s Committee on Transmissible Diseases of Poultry.

Dr. Colin Harvey, professor of surgery and dentistry, was honored by the American Dental Hygienist Association. He was presented The Golden Scaler Award by Carol Welden, ADHA liaison to veterinary dental organizations.

Dr. Sherrill Davison, V’83, associate professor of avian medicine and pathology, has accepted the nomination as secretary/treasurer by the board of governors of the American College of Poultry Veterinarians.

Dr. Eric Parente, assistant professor of sports medicine, organized and lead the first Respiratory Surgery Wet Lab at the AAEP meeting in Albuquerque, NM. It was oversubscribed and a huge success.

Karen Biesinger, pharmacy manager at New Bolton Center, received the Delaware Women’s Alliance for Sports and Fitness Recreational Athlete Award.

Dr. Michael Kotlikoff, V’81, professor and chairman, Department of Animal Biology, was named chair of the Department of Biomedical Sciences at Cornell University’s College of Veterinary Medicine, effective July 1, 2000.

Dr. Harry Werner, V’74, was elected treasurer of the American Association of Equine Practitioners.

Dr. Robert Washabau, V’82, associate professor of medicine and chair, Section of Medicine, was elected president of the Internal Medicine Specialty of the American College of Veterinary Internal Medicine.

Dr. Sheldon Steinberg, V’59, professor of neurology and chair, Section of Neurology/Ophthalmology, was elected officer-at-large for the Neurology Specialty of the ACVIM. Dr. Steinberg was recently honored for his forty years at Penn.

Dr. Dorothy Brown, assistant professor of surgery, received a grant from the Morris Animal Foundation for a study “Comparative Analgesia of Intravenous and Intrathecal Oxytocin and Morphine Using Dolorimetry.”

Dr. Cynthia Ward, V’87, assistant professor of medicine, received a grant from the Morris Animal Foundation for a two year study “G Protein-Mediated Signaling Abnormalities in the Pathogenesis of Feline Hyperthyroidism.”

Kathleen Dunn, VHUP’s social worker, gave a presentation at the American Boarding Kennel Association annual meeting in Milwaukee, WI in October. In November, Ms. Dunn gave a keynote address at the 19th Annual Veterinary Cancer Society Conference in Woods Hole, MA.

Dr. Ina Drobrinski, assistant professor of large animal reproduction, received a grant from the USDA/CSREES/NRICGP for work on “Germline Modification in
Farm Animals through Xenogeneic Spermatogonial Transplantation.”

Dr. Daniel O. Morris, assistant professor of dermatology, received a grant from the AKC Canine Health Foundation for a project entitled “Studies of the Host (Canine) Immune Response to the Opportunistic Pathogen Malassezia pachydermatis.”

Lord Soulsby of Swaffam Prior, former professor and chairman of pathobiology, was elected president of the Royal Society of Medicine. Lord Soulsby, the only veterinarian in Britain’s House of Lords, is the first veterinarian to head the Royal Society of Medicine.

Dr. Jeffrey A. Wortman, V’69, associate professor of radiology, has been appointed Associate Dean for Curricular Affairs.

Lynda Barness, vice-chair of the School’s Board of Overseers, was named one of Montgomery County’s 1999 Women of Achievement by the March of Dimes.

Dr. George W. Leighow, V’58, was named Distinguished Veterinarian of the Year by the Pennsylvania Veterinary Honor Roll. Dr. Moss’ practice, the Brandywine Valley Veterinary Hospital, was featured in Purina’s Today’s Breeder. Dr. Bossart breeds and shows collies and operates a small animal hospital in Fort Lauderdale, FL.

Dr. Kevin Byrne, lecturer in dermatology, was appointed chair of the examination committee of the American College of Veterinary Dermatology.

Dr. Kathryn Michel, assistant professor of nutrition, organized the nutritional support workshop for the AAAT in October and was an invited speaker at the Purina Nutrition Forum the same month. In December, Dr. Michel lectured at Azabu University, Azabu, Japan.

Dr. Cynthia Otto, assistant professor of critical care medicine, was elected vice president of the American College of Veterinary Emergency and Critical Care. Dr. Otto co-chaired the Advances in Veterinary Shock Research Meeting held in Philadelphia in association with the 4th International Shock Congress. Dr. Otto received a grant from Merck to develop antibodies to canine tumor necrosis factor. Dr. Otto was sent to North Carolina with the Pennsylvania Task Force 1 Urban Search and Rescue Team in response to Hurricane Floyd.

Dr. Leslie King, associate professor of critical care, assumed the office of president of American College of Veterinary Emergency and Critical Care.

Dr. Ron Harty, assistant professor in pathobiology, received an American Cancer Society institutional grant for his project “Role of Proline-Rich Motifs of LMP2A in EBV-Induced Transformation.”

Dr. David Holt, associate professor of surgery, lectured at the American College of Veterinary Surgeons meeting in San Francisco in October. Dr. Holt presented lectures at the Danish Small Animal (continued on page 18)
The breed standards for a number of breeds call for docked tails and/or cropped ears. This has been a controversial procedure and is now banned in most European countries. The American Kennel Club has adopted a position statement which "recognizes that ear cropping, tail docking and dewclaw removal, as described in certain breed standards, are acceptable practices, integral to defining and preserving breed character and/or preserving good health. Appropriate veterinary care should be provided."

For many years, the American Veterinary Medical Association’s position on ear cropping was “The AVMA has recommended to the American Kennel Club and appropriate breed associations that action be taken to delete mention of cropped or trimmed ears from breed standards for dogs and to prohibit the showing of dogs with cropped or trimmed ears if such animals were born after some reasonable date.” The AVMA at that time had no position on tail docking.

Last July, the AVMA passed the following resolution. “Ear cropping and tail docking in dogs for cosmetic reasons are not medically indicated nor of benefit to the patient. These procedures cause pain and distress, and, as with all surgical procedures, are accompanied by inherent risks of anesthesia, blood loss and infection. Therefore veterinarians should counsel dog owners about these matters before agreeing to perform these surgeries.”

In this country, we are seeing more uncropped ears in the show ring, and some of these dogs are winning over those with cropped ears. Laws in many states require that this must be done by licensed veterinarians. Probably arguments against the procedure will continue, but for now it is not against the law.
Vaccination Protocols

For many years, annual “booster shots” for dogs and cats has been a standard practice. Recently, this practice has been questioned and many veterinarians are reconsidering the need for annual re-vaccination. There is no question that vaccination is essential to protect animals from infectious disease. At this time, there is no general agreement on how often to vaccinate. Part of the problem is due to the fact that vaccine manufacturers have not been required to determine the duration of immunity produced by their vaccines. The question is under review and studies currently being conducted may result in a change in recommended vaccination protocols.

Generally, puppies are vaccinated at six to eight weeks of age, then every two or three weeks until 14 or 16 weeks. This is followed by a “booster” one year later. The usual vaccine for these “puppy shots” is against distemper, adenovirus (infectious hepatitis) and parvovirus. Rabies vaccination is a must—first at three months with a booster one year later and then depending on the type of vaccine, annually or triannually.

A number of other vaccines are available. Consult with your veterinarian about which ones are indicated. Research findings may result in changing protocols.

Core vaccines for cats protect against feline panleukopenia virus, feline herpes virus, feline calicivirus and rabies. Kittens usually are vaccinated at eight and 12 weeks, then one year later. Depending on risk of exposure to infectious agents, boosters may be given every three years or more frequently.

Discuss the benefits and risks of vaccination with your veterinarian and work out a protocol that fits your animal’s needs.

The Japanese Bobtail

Although a comparatively new breed in North America, the Japanese bobtail, known as Mi-Ke, has been seen in Japan for centuries, and portrayed by artists many times. These bobtailed cats were considered spiritual creatures and were kept in temples and imperial palaces. They helped protect sacred documents from rodents. In Japan today, small figurines showing the tri-colored pattern, bobbed tail and raised, beckoning paw can be found as a charm to bring luck, prosperity and happiness.

In 1969, the Cat Fanciers Association accepted Japanese bobtails for registration. They are quite rare—only a few hundred are registered each year. Most are shorthaired but some are longhaired. The official standard describes the coat as medium length, soft and silky but without a noticeable undercoat and relatively non-shedding. The traditional Mi-Ke cats are tri-colored (black, red and white), but most colors are accepted. Males usually are bi-colored (black and white or red and white). The tail is the defining characteristic of the breed. It is governed by a recessive gene. Bobtail breeding produces only bobtailed offspring, and the short tail is not known to be associated with any health defect. The hair on the tail grows outward in all directions, creating a pom-pom or bunny-tail effect. The tail bone is rigid and may be straight or curved. The short tail does not seem to affect the cat’s balance in jumping or playing.

JBTs are active, intelligent cats with large “window-to-the-soul” eyes. They can be hard to find and expensive. In demand are odd-eyed (one blue eye and one gold eye), blue eyes and the calico Mi-Ke color pattern.

The Manx is a tailless breed but the responsible gene is considered dominant and associated with skeletal defects and abnormalities which are not found in the Japanese Bobtail.

Book Review


The author has been a psychologist and psychoanalyst in private practice in New York City for the past 25 years. His book discusses how the pets in our lives affect our personal and family relationships — how we integrate them into our families and the way they mirror our own personalities. The book is not about behavioral problems, but mostly shows what happens when one of the parties in a human relationship regards the pet as a problem instead of finding where the problem really lies.

What’s the answer when a man adores a woman—but resents the affection she lavishes on her feline? Through case histories, Dr. Gavriele-Gold uncovers the real causes behind pet-people clashes and offers hope for humans and animals living in harmony.

The true-life cases reveal the role of projection—how people vent anger, jealousy and guilt over people on animals. Also, we see how pets can open old wounds and trigger destructive pattern. Another subject is how pets can stand in for a parent, an in-law, or an ex-lover.

Hyperthyroidism in Cats

Hyperthyroidism is a common hormonal problem in middle to older aged cats. It usually results from benign enlargement of one or both thyroid glands that overproduce thyroid hormone. Excess thyroid hormone in the bloodstream causes clinical signs that commonly include weight loss, increased appetite, hyperactivity, excess water consumption, and excess urination. Some cats, however, become very lethargic with this disease and have a decreased appetite.

Treatment options for this disease include daily medication, surgical removal of the enlarged thyroids, or radioactive iodine. Radioactive iodine treatment has proven to be very successful, noninvasive, and safe. It is considered the treatment of choice for some hyperthyroid cats. One injection under the skin is sufficient to cure most hyperthyroid cats and side effects are few and minimal. However, cats must remain hospitalized for approximately one week while the radioactivity dissipates.

The Veterinary Hospital of the University of Pennsylvania is planning to introduce radioactive iodine treatment for feline hyperthyroid patients within the year. Radioactive iodine therapy is limited to larger and institutional facilities because a license is required to handle radioactive materials, and the treated animals must be carefully monitored.
Special Gifts

The following have contributed gifts to the Friends of the Small Animal Hospital in memory of a special pet:

Ms. Patricia Adamow in memory of “HOBO”
Mr. Lee and Mrs. Arlene Bartoletti in memory of “BRUNO”
Mr. Alec Beekmans in memory of “BARKLEY”
Dr. & Mrs. M. Mendel Bocknek in memory of “TIFFANY”
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The following have contributed gifts to the Friends of the Small Animal Hospital in honor of “Georgia”:

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Ms. Nancy Sullivan
Ms. Jean Ann Toney
Ms. Caroline Vecchiallo
Ms. Myra and Ms. Barbara Warner
The following have contributed gifts to the Friends of the Small Animal Hospital in honor of “Earl” Sheppard:

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- Mr. Michael and Mrs. Kathleen Bradshaw
- Ms. Marjorie Brooken
- Mr. Robert Brunet
- Mr. Ronald Deblasi
- Mr. Robert and Mrs. Joan DeLong
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- Mrs. Patricia and Mr. Stephen White
- Mrs. Carolyn and Mr. Clair Whitmore
- Ms. Joanne Sebring Witscha

Mr. Paul James in honor of “SPROCKET”
Mr. & Mrs. Martin A. Joyce in honor of “MAC”
Ms. Barbara Prinavera in honor of “MISCHIEF”
Mrs. Martin E. Resovsky in honor of “OLIVER”
Mr. Richard Schlegel in honor of “MEE TOO”

The following have contributed gifts to the Friends of the Small Animal Hospital in honor of the following:

- Ms. Anne Rachel Brown in honor of Dr. Lily Duda
- Mrs. Mary and Mr. Alan Dickey in honor of Albert Berkelhammer
- Ms. Nancy Goldsmith in honor of Dr. Tricia Kull
- Mrs. Anne and Mr. Andrew Green in honor of Dr. Meryl Littman, Mark Coleman, Steven Savant, Judy Chappetta, Beth Hicks, Richard Bailey, Marilyne Gregg, Patti Andrews, Lynne Sherer, Connie Webb and Jean Pierre Demers
- Ms. Kaye Bard Paletz in honor of Ralph Tonza
- Mr. Theodore Roth in honor of Dr. Leslie King
- The Strum Family in honor of Dr. Weiner

The following have contributed gifts to the Friends of the Small Animal Hospital in memory of the following:

- Ms. Marion Blanton in memory of Martin
- Ms. Barbara Bortner in memory of Richard L. Peterson, D.V.M.
- Ms. Carol A. Crook in memory of Ann Majois
- Ms. Doris Fink in memory of Joan A. O’Brien, V.M.D.
- Ms. Eileen Joseph in memory of Richard L. Peterson, D.V.M.
- Mr. James and Mrs. Glenda McDonald in memory of Andrew B. Smith
- Ms. Chris Mottola in memory of Julie Cavanaugh Oxman
- Mrs. Catherine and Mr. Robert Phillips in memory of Dorothy Phillips
- Mr. and Mrs. Joseph L. Schwartz, Jr. in memory of Ellen B. Major
- Ms. Bernadette Smith in memory of William Boyer
- Ms. Patricia A. Smith in memory of Christina Tichy
- Ms. Elizabeth C. Tauscher in memory of Dee Dee Colkert

Scholarships

- Rachael Feigenbaum, V'01, and Carol Frollo, V'02, each received a scholarship from the American Veterinary Medical Foundation. The Dr. Ginnie Lieblein Memorial Scholarship was awarded to Dana Fite, V'00, and the American Kennel Club has awarded scholarships to Heather Chalfant, V'00, and Melissa Voll, V'01.
- Heather R. Jones, V'02, received a scholarship from Dog Writers’ Educational Trust. The William Goldman Foundation has provided scholarships to Amy Franklin, V'01, Edward Cooper, V'02, John J. Hershey, V'00, and Heidi Phillips, V'01.
- The Lalitta Nash McGaig Foundation has awarded a scholarship to Darah Resh, V'03. The Kelley Foundation and the Barnstable County Agricultural Society have awarded scholarships to Rachael Feigenbaum, V'01. The French Benevolent Society of Philadelphia has awarded a scholarship to Eric Lombardini, V'01.
- The Israel and Anna Live Endowment Fund Scholarship was awarded to Sean Sawyer, V'00. Marcela Salas, V'00, has been awarded the Richard A. Dorr, Jr. Memorial Scholarship. The Iris M. McGee Scholarship has been awarded to Cheryl Gross, V'00.
- Bushy Run Kennel Club has awarded scholarships to Erika Krick, V'02 and Christopher Gibson, V'02.
- Kelli E. Weaver, V'00, and Michael R. Watts, V'00, have received scholarships from the Allegheny Foundation. Jamison DeSantis, V'00, received a scholarship from Schering-Plough Animal Health. The Clifford F. Wright, Jr. scholarship was awarded to Tracey Anne Hall, V'00. The Lloyd’s Brokers and Kentucky Agents Joint Equine Research and Education Program has awarded a scholarship to Jennifer Buchholz, V'00. The Harrisburg Kennel Club, Inc. awarded scholarships to Dana Walek, V'00, and Linda Bender, V'00. Aubrey Fecho Fitch, V'03, received a scholarship from the Northwestern Connecticut Dog Club, Inc. The Naugatuck Valley Kennel Club awarded a scholarship to Laney Baris, V'00. Mary-Margaret Clements V'01, was a scholarship from The Starr Foundation. Annette Belovi, V'00, received a scholarship from the Edward and Hovnan Tashian Endowment Fund of the Armenian Missionary Association of America. Pfizer Animal Health awarded a scholarship to Carrie Hutchinson, V'01.
Special Gifts
(continued from page 21)

The following have contributed gifts to the Josephine Deubler Genetic Disease Testing Laboratory in memory of those listed:
- Dr. Edwin J. Andrews in memory of Miss Sylvia Sydney
- Mrs. Adele Millett in memory of Virgil Millett and Fran Wasserman

The following have contributed gifts to the Gretchen Wolf Swartz Prize Fund in memory of Gretchen Wolf Swartz:
- Mr. and Mrs. Robert Bauer

The following have contributed gifts to the Charles S. Wolf Veterinary Scholarship Fund in memory of those listed:
- Mr. and Mrs. George Knopf in memory of Charles and Gretchen Wolf

The following have contributed gifts to the Humanitarian Fund in memory of a special pet:
- Mrs. Terri Fedeli in memory of “DRIBBLES”

The following have contributed gifts to the Humanitarian Fund in honor of a special pet:
- Ms. Paula Levine in honor of “SMOKEY JOE”
- Ms. Ruth Levine in honor of “SMOKEY JOE”

The following have contributed gifts to Clinical Studies Cancer Research in memory of a special pet:
- Ms. Catherine Ciric in memory of “BU”
- Mr. Richard and Mrs. Teresa Woods in memory of “TEEK” and “KONA”

The following have contributed gifts to Junior Faculty Clinical Research in the area of Feline Studies in memory of a special pet:

The following have contributed gifts to VHUP Facilities in memory of a special pet:
- Ms. Donna Cremini in memory of “SHADOW-CLOVER”

The following have contributed gifts to the Kidney Transplant Program in memory of a special pet:
- Ms. Donna Cremini in memory of “SHADOW-CLOVER”

The following have contributed gifts to the Deubler Scholarship Endowment Fund in memory of those listed:
- Mr. and Mrs. Thomas A. Deubler in memory of Dr. James A. Deubler

The following have contributed gifts to the E.R. Marookian Scholarship Fund in honor of E.R. Marookian:
- Mr. Steven Feldman
- Ms. June Taber

The following gifts were made to Friends of New Bolton Center in memory of Joyce Ann Daily, V.M.D.:
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  - Mr. and Mrs. Manfred Neumann
  - The Pulos Family
  - Mr. and Mrs. Frederick J. Schachinger
  - Anna May & Susan Schneider

The following gifts were made to New Bolton Center in memory of Mr. Hardie Scott:
- Mrs. Nan Deubler
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- Ms. Elizabeth Cremini
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- Mr. Sewell Shuger
- Mr. James Silvers
- Dr. and Mrs. Louis Witten
- Mr. and Mrs. Louis Witten
- Mr. and Mrs. Seymour Yaffe

The following gifts were made to Friends of New Bolton Center in honor of the marriage of Ms. Susie Needle and Mr. Allen Coven:
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- Mr. Dyer P. Bilgrave & Mr. Michael O’Pecko
- Mr. and Mrs. David R. Coven
- Ms. Donna N. Crosby & Mr. James E. Fowler
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- Dr. and Mrs. William J. Smulyan
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- Dr. and Mrs. Louis Witten
- Mr. and Mrs. Seymour Yaffe

The following gift was made to Friends of New Bolton Center in honor of Dr. Edward Mersky:
- Mr. Jerre Frankhauser

A gift was made to Friends of New Bolton Center in memory of Mr. Max Hempt:
- Hempt Farm

A gift was made to Friends of New Bolton Center in memory of Mr. Jerold C. Hoffberger:
- Miss Louise Easte Hollyday
A gift was made to Friends of New Bolton Center in honor of the birthday of P.S. Maiocco, D.D.S.:  
Mrs. Letitia O. Principato

A gift was made to Friends of New Bolton Center in honor of Dr. Charles W. Raker, Dr. Corinne Sweeney, and Dr. Raymond Sweeney:  
Neal C. Ralston, V.M.D.

A gift was made to Friends of New Bolton Center in honor of the marriage of Ms. Sue Barrett & Mr. Jim Bullitt:  
Mr. Ernest J. Reiver and Dr. Lois W. Dow

A gift was made to Friends of New Bolton Center in memory Miss Avery Silverman:  
Ms. Janet E. Sidewater

A gift was made to Friends of New Bolton Center in appreciation of Dr. Elaine Hammel:  
Ms. Deborah J. Somers

A gift was made to Friends of New Bolton Center in honor of Dr. Charles W. Raker:  
Ms. Sara Sperling

A gift was made to Friends of New Bolton Center in honor of Dr. Carolyn Arnold:  
Mr. John D. Tallman

The following gifts were made to Friends of New Bolton Center in memory of a beloved animal:  
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Mrs. Barbara Bauer in memory of “WOODSTOCK”
Ms. Nancy Lydia Chiappini in memory of her llama “PICOTEE”
Ms. Elizabeth Glasscock in memory of “TIOGA”
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Ms. Emmie Prettyman in memory of “QUEEN SARVER”
Ms. Susan W. Sensor in memory of “OLLIE”
Ms. Jeanne M. F. Swarthchild in memory of “NICKI” and “BITTERSWEET GONE AWAY”
Unionville Equine Associates, Dr. John Lee, Jr. in memory of “PASSIONIST” & “SILVER IN FLIGHT”
Warren Animal Hospital, Vincent Zucchero, V.M.D. in memory of “MOSELLE”
Ms. Theresa A. Zappone in memory of “SUNSHINE” and “DOUBLE SCOTCH”

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**Sample Rate Chart for a $10,000 One Life Charitable Gift Annuity**

<table>
<thead>
<tr>
<th>AGE</th>
<th>RATE</th>
<th>DEDUCTION*</th>
<th>ANNUITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>6.1%</td>
<td>$3,377</td>
<td>$610</td>
</tr>
<tr>
<td>60</td>
<td>6.6%</td>
<td>$3,384</td>
<td>$660</td>
</tr>
<tr>
<td>65</td>
<td>7%</td>
<td>$3,638</td>
<td>$700</td>
</tr>
<tr>
<td>70</td>
<td>7.5%</td>
<td>$3,972</td>
<td>$750</td>
</tr>
<tr>
<td>75</td>
<td>8.2%</td>
<td>$4,327</td>
<td>$820</td>
</tr>
<tr>
<td>80</td>
<td>9.2%</td>
<td>$4,722</td>
<td>$920</td>
</tr>
<tr>
<td>82+</td>
<td>9.5%</td>
<td>$4,995++</td>
<td>$950</td>
</tr>
</tbody>
</table>

* Charitable deduction will vary slightly with changes in the Federal Discount Rate.
** Annuities with an income beneficiary above 82 will receive a higher income tax deduction depending on the age of the beneficiary.

For more information or a personalized illustration with no obligation, call Penn’s Office of Gift Planning at 800-223-8236.

Penn Annual Conference

Despite a crippling snow storm on January 24th, the Penn Annual Conference was held at the Adam’s Mark Hotel in Philadelphia on January 25 and 26, 2000. The Conference was attended by 630 veterinarians, 160 veterinary technicians, and 67 exhibiting companies. Faculty, staff and students brought attendance over 1,000. The Office of Continuing Education would like to express our thanks to all alumni who braved the weather to help celebrate the 100th anniversary of the Conference. A big thank you to everyone who returned the Penn Annual Conference surveys—your feedback will be taken into consideration as we plan future Conferences.

The 2001 Penn Annual Conference will be held on Wednesday, January 31 and Thursday, February 1, 2001. Speakers tentatively scheduled for the Veterinary Small Animal Program include: Drs. Richard Broadstone—Anesthesia; Gary Ellison—Critical Care/Surgery; Tim Hackett—Feline Medicine; Johnny Hoskins—Geriatrics; Mike Poddle—Epilepsy; Craig Thatcher—Nutrition; and Larry Tilley—Cardiology. Equine, Bovine and Technician programs are planned and will be announced in the summer of 2000.
Join Us for the
American Gold Cup
September 14-16 at the
Devon Show Grounds, Devon, PA
and the
School’s Open House
September 23rd at
New Bolton Center, Kennett Square, PA

Calendar

May 20  Alumni Golf and Tennis Tournament, Avondale, PA
May 21  Alumni Day, New Bolton Center
August 4  “An Evening in Old Saratoga,” Saratoga, NY
September 14-16  The American Gold Cup, Devon Show Grounds, Devon, PA
September 23  Open House of the School of Veterinary Medicine, New Bolton Center

Find the School on the internet at www.vet.upenn.edu

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