

**FY 2003**

**ANNUAL REPORT**



**UNIVERSITY OF ILLINOIS  
COLLEGE OF VETERINARY MEDICINE**

February, 2002

## ANNUAL REPORT College of Veterinary Medicine

### **Mission**

The missions of the College are to educate students, veterinarians and the public; to discover, accumulate and disseminate knowledge that will protect and improve human, animal and environmental health; and to provide veterinary, analytical, diagnostic, clinical and outreach services to the state, region, nation, and other parts of the world.

### **Abstract Summary of FY 02 Highlights**

The College is and has experienced a moderate amount of change in the past year. New faculty have been hired in all three departments and the Veterinary Diagnostic Laboratory, filling positions created by retirements and resignations or by reallocation of resources to strategic areas of emphasis. The College is continuing to respond to concerns identified in the most recent (1999) American Veterinary Medical Association accreditation review (attached) and the USDA research review. We are beginning a new comprehensive planning process at the department and College levels. We are also very interested in establishing a presence in the greater Chicago-land area for our referral practice, allowing us to increase case material for clinical instruction and scholarly activity as well as providing better service for our clientele and referring veterinarians. We continue to evaluate our physical structure and develop plans for refurbishing areas such as the Veterinary Teaching Hospital that receive extensive use by faculty, students and staff (7 days/week, 24 hours/day) and are a significant aspect of public outreach and visibility.

### **Faculty**

In summary, the College of Veterinary Medicine hired 15 new faculty in 2001-2002. Of those hires, five were replacements for vacancies created by resignations or retirements and ten hires were new positions to the discipline/section by reallocation of existing positions or newly established positions to support the College's areas of programmatic emphasis. There are several other anticipated faculty searches, however, the exact positions and numbers are not known and will be determined after discussions on budget rescission issues. General details of these hires follow:

The Department of Veterinary Clinical Medicine hired ten new faculty over the past year, including five regular title and five clinical title faculty. In three instances, faculty were replacements for faculty who had resigned or retired, leading to restoration of faculty effort in the vital areas of radiology, equine surgery and production medicine/theriogenology. In one instance, small animal surgery, the line of a retiring faculty was split and with supplementation from hospital income, two faculty members were hired. This provided significant consolidation and expansion of strength in both the instructional and research arms of the comparative orthopedics program. The section of small animal medicine benefitted from the hire of three new faculty members. One hire resulted from an academic couple's accommodation and has provided significant stability and leadership in a previously depleted area--small animal internal medicine. The other two hires have established a new presence in an area of significant demand and visibility; wildlife, avian and zoological medicine. Two additional junior faculty hires were made in the fields of anesthesiology and oncology. The former will have instructional responsibilities in the fields of anesthesiology and clinical pharmacology. The latter will help develop and maintain the department's reputation as one of the nation's premier graduate training programs in

veterinary oncology. The Department is currently conducting searches in the core areas of small animal medicine, equine surgery, and imaging.

The Department of Veterinary Biosciences had two vacancies created by retirements. One, a reproductive biologist has been hired and is teaching reproductive physiology in VB 315, a core course in the professional curriculum. In addition, the faculty member adds to our stellar reproductive biology program with expertise in the molecular basis of embryo implantation. The second, a neurobiologist is teaching the neurobiology portion of the core course, VB 310. To strengthen our reproductive biology program further, we have added expertise on the effects of reproductive steroids on circadian rhythms. VB recently completed a search to replace a pharmacologist who resigned to accept a position with industry. This new hire will bring a molecular dimension to the department's pharmacology program. Also, the Department is in the final stages of negotiations with a candidate for a newly created position—reproductive biologist—as part of the Post-Genomics Initiative.

The Department of Veterinary Pathobiology has hired a new epidemiologist by reallocating an existing vacant position from another division. This addition will strengthen the Department's emerging programs in epidemiology and preventive medicine. The Department is presently conducting two national searches to fill vacancies created by a resignation and a retirement in the areas of parasitology and clinical pathology respectively. In addition, the search for a permanent Head of the Department is progressing. Candidates have been identified and will be interviewed in late March and early April of 2002.

The Veterinary Diagnostic Laboratory has hired a microbiologist with expertise in the area of molecular diagnostic microbiology and is developing innovative methods for diagnosing infectious diseases. A geographic information systems specialist has been added to the staff of the VDL which will complement the College's new Program in Wildlife, Conservation, and Ecosystem Health, as well as many existing programs. Negotiations have been completed for the hiring of one anatomical pathologist and negotiations are continuing for the second position. One of the positions is vacant is due to a resignation and the other is due to the need to convert a "visiting" position to permanent status.

Veterinary Medicine Administration has experienced many personnel changes over the past year. The position of Dean was filled in August 2001. The Assistant Dean for Administration was hired in January 2002. Searches are underway for Associate Dean for Research, Assistant Dean for Academic and Student Affairs, and Director of Financial Operations. We anticipate the searches will be completed with personnel in place between July 1 and August 20, 2002. With an impending retirement, the Continuing Education and Public Service unit is conducting a national search to fill the position of equine extension veterinarian.

## **Students**

The College Admissions Advisory Committee is currently reviewing applications that meet the University and College's minimum qualifications--215 Illinois residents and 429 non-residents. These numbers are similar to last year. For the Class of 2006, we anticipate a class size of 105 with approximately 80 residents and 25 non-residents. While we reviewed six applications for each admission slot, these numbers continue to be down slightly from previous years, which is reflective of the national trend. The credentials of the entering Class of 2005 remained very similar to the Class of 2004--3.55 average cumulative GPA, 3.46 average science GPA, and the mean GRE was at the 69<sup>th</sup> percentile.

Graduate and advanced training programs continue to remain strong in the academic departments. Presently, the College has 104 graduate students (49 PhD, 2 DVM/PhD, 9 MD/PhD, 1 PhD/Residency, 31 MS/Residency, 2 DVM/MS, and 10 MS), 12 postdoctoral fellows, and 13 interns (non-degree).

### **Teaching/Curriculum**

As stated in past reports, a major factor in the quality of our academic program is that 95.7% of our teaching (Campus Profile #622) of the 17,936 total IUs offered (Campus Profile #614) are provided by faculty. Our faculty are committed to teaching and consider it an honor and a privilege to contribute to the instruction of professional and graduate students in the College and University.

Refinements continue to be made to the limited tracking system of clinical rotations available in the fourth year of the professional curriculum. Dr. Jennifer Langan, Diplomate of the American College of Zoological Medicine, has joined the faculty and is based at the Brookfield Zoo. Dr. Langan will be offering a four-week zoological medicine clinical rotation throughout the year at Brookfield Zoo for the fourth year students. The addition of this clinical rotation to our offerings means our students no longer have to go “off campus” to gain this experience. A clinical orientation course has been added to each semester in the first year. These two courses are designed to give the students an introduction to the Veterinary Teaching Hospital, basic clinical skills, and reinforce the continuum between the basic and clinical sciences. The three medicine courses (in the second semester for the second year and both semesters of the third year) have been complemented by formal concurrent laboratory courses. A “Professional Career Development and Life Skills Management” elective course has been added to each of the first three years to help develop and polish those non-medical skills so necessary for professional success. Moreover, the faculty continue to consider ways to incorporate more of this material into core courses. Also, faculty remain active in the Campus Discovery Course program with the delivery of four courses in 2001-02.

In an effort to increase diversity of the professional student body and ultimately the veterinary profession, the College has been working with the Principal Scholars Program in Urbana and Chicago to expose minority high school students to the basic sciences of clinical veterinary medicine. The College is also supporting a 4-H program in Chicago in cooperation with the Anti-Cruelty Society for the same goals.

In association with the Illinois State Veterinary Medical Association, the College is actively involved in providing mentors for our professional students. Students interact with their mentors to get a “nonacademic” perspective of the profession. The College sponsored a “Meet Your Mentor” dinner in November which brought together approximately 40 practitioners from across the state and 130 students. The interactions were lively and this will become an annual event. A steering committee comprised of faculty, students, and practitioners representing constituent regions of the state has been formed to help coordinate activities and to improve the program.

Veterinary Education Online (VEO) is currently offering one continuing education course on pain management with 75 enrollees. Courses in dentistry and ophthalmology are nearing completion and additional courses in other subject areas are in the planning stages. Using VEO as a model, the College successfully competed for a grant from the Alfred P. Sloan Foundation (\$100,000) to develop additional online veterinary continuing education programs. The University and College each provided matching funds for this project; bringing the total grant award to \$300,000.

## Research

Faculty efforts in research have continued to grow with grant and contract expenditures increased to \$67,635/faculty FTE (2000-01 = \$66,871/faculty FTE) while the number of principal investigators dropped by 2 FTE. The College's overall external research funding base has increased from \$6.5 million (FY 00) to \$6.9 million this past fiscal year (FY 01).

The College's research emphasis remains strongly focused on continuing the programmatic development underway in infectious diseases, reproductive biology and environmental toxicology. In addition, following a renewed departmental strategic planning effort, the College's areas of research emphasis have been realigned to include oncology, anesthesiology and pain management, orthopedic biology and comparative cardiovascular disease.

The College's significant research highlights/accomplishments include the awarding of a matching grant (\$1.5) from NIH to complete approximately 16,000<sup>2</sup> ft of the shell space (with matching funds provided by the Campus and College) and the Department of Veterinary Biosciences' recently funded FRIENDS Children's Environmental Health Center which is a joint program of the National Institute of Environmental Health Sciences and the Environmental Protection Agency to study the effects of mercury and polychlorinated biphenyls (PCBs) on mental function. In addition, the College received a \$1.5 million grant from the Governor's Venture Technology Program to support graduate student stipends, major equipment purchases, research projects and remodeling. The research projects (both individual and collaborative proposals) were funded through an internal, peer-reviewed competition. Efforts will continue with the Illinois Department of Agriculture and commodity groups to maintain support for this funding.

## Service

The **Veterinary Teaching Hospital (VTH)** had 17,480 patient accessions, 5,672 in-patients, 11,808 out-patients and 27,938 hospital days. This caseload is comparable with last year's load. The Production Medicine section of the VTH made 2,120 calls to individual farms, that involved 72,934 animals, with 11,928 of these animals undergoing treatment. These numbers are also comparable with last year.

The **Continuing Education and Public Service (CEPS)** unit provides outreach directed at continuing professional education and animal owner education, as well as a focus on the major needs of Illinois animal owners. This unit had 13,273 contacts with the animal owning public and consulting veterinarians. It provided 38 programs in continuing education (2,719 registrants). The unit provides continuing education on a formal basis in the area of the Executive Veterinary Programs in Small Animal Practice Management and Swine Health Management. A total of 180 post-graduate students participated in these programs.

The **Veterinary Diagnostic Laboratory (VDL)** at the College of Veterinary Medicine and its off-campus branch, the Zoo Pathology Program (ZPP), assist in the identification, control, and treatment of diseases, toxicities, and other conditions that affect the animals and animal industries of Illinois and the public health of the citizens of Illinois. Each day the Laboratory completes nearly 150 complex laboratory procedures to provide diagnostic information to practicing veterinarians, animal health officials, public health officials, zoo veterinarians, and laboratory animal care veterinarians as well as to animal owners. During 2001 over 39,000 diagnostic problems were submitted to the VDL. For more detail on the activities of the Veterinary Diagnostic Laboratory, see their directly reviewed subsidiary report.

The VDL and ZPP are also part of a broad-based, state-wide diagnostic investigatory service, along with the Animal Disease Diagnostic Laboratory run by the Illinois Department of Agriculture in Galesburg and Centralia, that maintains an active disease surveillance in livestock, animal athletes, poultry, companion animals, and wildlife. This partnership enables the state to quickly recognize outbreaks of new or emerging diseases, the introduction of foreign animal diseases, or acts of bioterrorism aimed at or concurrently affecting animal populations. The VDL director has been actively involved with state and national agencies in disaster planning post September 11, 2001.

### **FY 01 Goals and FY 02 Progress**

**FY 01 Goal:** *“To strengthen the support of extraordinary facilities,”*

The College requested **\$200,000 in state support for the Veterinary Teaching Hospital (VTH)** with College match of \$100,000 to provide \$300,000 for staff salaries now on generated funds.

**FY02 Progress:** Gaining state support for the VTH has been the College’s first priority for the past three years. To date, we have secured a recurring base of \$400,000 from Campus and College reallocation. These funds were used to hire additional technical staff and pay a portion of the salary of clinical (nontenure track) faculty. We have received approval from the Provost for an additional \$100,000/year in recurring funds for support of the VTH in FY03, FY04 and FY05 (totaling \$300,000 in recurring fund support). These funds are coming from the tuition surcharge. Based upon our present level of recurring state support and the Campus’ commitment for an additional \$300,000, we consider this goal achieved if the commitment is met.

**FY 01 Goal:** *“To improve compensation for faculty,”*

The College requested **\$47,000 to continue to address faculty salary inequities** to retain key faculty and assist recruitment. These funds would be matched, from the College through internal reallocation, to address salary inequities and outside offers.

**FY 02 Progress:** In the budget process, \$93,880 in Campus and matching College funds were distributed to 25 faculty judged by the departments to be inappropriately below peer salaries.

**FY 01 Goal:** *“To enhance the pool of funds available for graduate student support,” and “To develop and strengthen specific programs of teaching,....”*

The College requested **\$100,000 to respond to a USDA/CSREES review recommendation to increase support for graduate programs.**

**FY 02 Progress:** The College provided \$60,000 to each of the three academic departments (\$180,000) in support of graduate student stipends. This allocation was on a cash basis, through a grant from the Governor’s Venture Technology Program. The College is making efforts to seek recurring funds from this source. Funding from the

Campus is also critically important to the future success of our research programs. In addition, funding of such students will help us re-establish the pool of experts qualified to serve as future faculty members in this and other competitive veterinary medical colleges. The marketplace in industry, government, and private practice specialties has attracted many established faculty and recent graduates creating difficulty in hiring of veterinarians with advanced degrees and often board certification based on residency training for faculty positions. Accordingly, expanding upon the pool of qualified individuals is an urgent priority issue.

**FY 01 Goal:** *“To develop and strengthen specific programs of teaching, research and service” and “to strategically restore faculty capacity and strength,”*

The College requested **\$120,000 in support to recruit a faculty excellence hire in the area of infectious disease and \$90,000 in support to recruit a faculty excellence hire in the area of animal behavior.**

**FY 02 Progress:** Negotiations with Dr. Kapur, infectious disease expert, were discontinued because of the overwhelming lack of support for the position within the department faculty. Negotiations with Dr. Overall, animal behaviorist, were discontinued following protracted discussions and our inability to identify a tenured faculty position for her husband. The College does not have immediate plans for recruitment of another specialist in behavior medicine but is looking into establishing a collaborative teaching program with Purdue University.

**FY 01 Goal:** *“To develop and strengthen specific programs of teaching, research and service,” “to strategically restore faculty capacity and strength,” and “to generate public understanding and support for the Campus mission and contribution to society,”*

The College requested **\$60,000 for a shared faculty excellence hire in neurobiology (shared 50/50–CVM/ALS) and \$60,000 for a shared faculty position in cellular and molecular pathology (shared 50/50–CVM/COM).**

**FY 02 Progress:** These two requests are being re-evaluated in our current strategic planning process.

**FY 01 Goal:** *“To develop and strengthen specific programs of teaching, research, and service,”*

The College requested **\$80,000 to establish a Genomics Informatics Service Laboratory.**

**FY 02 Progress:** In light of funding issues, a College committee was appointed to further study the need for this laboratory. They determined that the capability was available in the Biotechnology Center and recommended that the College not duplicate the service.

#### **Areas of Current and Developing Programmatic Excellence** *(alphabetical order)*

**Anesthesiology and Pain Management.** Our society is becoming increasingly aware and concerned regarding issues of pain diagnosis and prevention in research and domestic animals.

The Department of Veterinary Clinical Medicine has established a leadership role by developing an internationally recognized program in veterinary anesthesiology and pain management. The goals of the program are to advance our knowledge and understanding of the pathophysiology and pharmacology of pain perception and treatment in domestic animals; improve therapeutic options and expand veterinary practitioner awareness of pain management techniques. The section of anesthesiology has four board certified faculty who, together with faculty from Colorado State University and the University of Tennessee, comprise the Companion Animal Pain Management Consortium. This is an industry sponsored group which provides continuing education to veterinarians across the country. It is expected that this program will have a broad reaching impact, including changing the way we diagnose and treat acute and chronic pain in research and domestic animals and establishing the University of Illinois as a compassionate leader in this sensitive area.

**Biomolecular Research.** The Department of Veterinary Pathobiology is implementing the necessary personnel and infrastructure improvements to build a unified research program. This program will integrate the expertise of individuals and academic units across Campus to solve real world biomedical disease problems through multidisciplinary research teams. It will also allow the Department and College to build upon its strengths in developing and utilizing animal models to understand molecular and genomic mechanisms involved in human diseases.

**Comparative Cardiovascular Biology.** Cardiovascular diseases remain the number one cause of population mortality and morbidity in developed societies. The Departments of Veterinary Clinical Medicine, Veterinary Biosciences, and Veterinary Pathobiology have built considerable strength in comparative cardiovascular biology including cardiologists, internists, surgeons, pathologists, clinical pathologists, and physiologists. The goals of the program are to expand our understanding of similarities and differences in the basic biology mammalian cardiovascular systems; develop experimental models of the major cardiovascular diseases of humans and domestic animals; explore naturally occurring animal diseases as models of human cardiovascular disease and develop and evaluate novel therapeutic strategies for treatment of such diseases. If successful, it is expected that this program will have a major impact on diagnosis, prevention and treatment of cardiovascular diseases of humans and domestic animals.

**Environmental Toxicology.** The Environmental Toxicology program of the College involves all three departments and interacts with the Campus Interdisciplinary Environmental Toxicology Program. Goals of the program focus on understanding and offsetting the adverse effects of environmental contaminants on animal, human, and ecological health. Areas of emphasis in the group include developmental and reproductive toxicology in human beings and domestic and wild animals. In addition, members of our program faculty undertake research into the properties of nutritive as well as non-nutritive substances that can protect against the toxic properties of a host of other chemicals. The College also is allied to the National ASPCA Animal Poison Control Center (APCC) located in Urbana. Through collaborations among the Department of Veterinary Biosciences, the Veterinary Diagnostic Laboratory and the ASPCA APCC, the College conducts one of the largest residency programs in veterinary toxicology. In addition, the Department of Veterinary Pathobiology's subspecialization program in toxicologic pathology is actively pursuing stronger links with this program to enhance its training program and to provide its expertise to the faculty in Environmental Toxicology.

The Department of Veterinary Biosciences is coordinating an NIH-sponsored Training Program in Endocrine, Developmental and Reproductive Toxicology in conjunction with faculty from the Departments of Animal Sciences, Food Science and Human Nutrition, Physiology and Biophysics, and Molecular and Integrative Biology. Also, the new FRIENDS Children's

Environmental Health Center centered in the Department of Veterinary Sciences was funded under a joint program of the National Institute of Environmental Health Sciences and the Environmental Protection Agency to study the effects of mercury and PCBs.

**Infectious Diseases.** In light of the worldwide attention to infectious diseases (many of them zoonoses), the development of new research tools, and the achievement of critical mass of faculty, the College and Department of Veterinary Pathobiology are putting major emphasis on the revitalization of the Center for Zoonosis Research (CZR) and its expansion to the Center for Zoonosis Research and Infectious Diseases (CZRID). Center goals will include the promotion of collaborative work and dissemination of information concerning zoonoses research, developing grant applications for NIH and USDA training grants, establishing WHO collaborative center status, and becoming a recognized research and training center by other international organizations.

**Oncology.** Cancer continues to be a leading cause of morbidity and mortality both in humans and domestic animal populations. The Department of Veterinary Clinical Medicine has a comprehensive program in comparative oncology including two medical oncologists and one surgical oncologist, supported by an imaging section with three faculty providing support in radiation oncology, computed radiology, ultrasound, CT, MRI, and nuclear medicine. The goals of the program are to increase our understanding of the comparative biology of tumors in varying species, including humans; explore naturally occurring animal cancers as relevant models for human disease and to develop and evaluate novel diagnostic and therapeutic strategies. If successful, this program could have a significant impact on both human and animal welfare. Already, this program is considered one of the premier training programs in veterinary oncology nationally.

**Orthopedic Biology.** Orthopedic disease continues to be a significant cause of debility and pain in both humans and domestic animals. Orthopedic diseases in both populations share common pathophysiologies, most notably in the areas of fracture non-union, osteoarthritis and growth deformities. The Departments of Veterinary Clinical Medicine and Veterinary Biosciences are building considerable strength in comparative orthopedic biology, including five small and large animal orthopedic surgeons, one orthopedic oncology surgeon and several basic scientists. The goals of the program will be to evaluate the pathophysiology of naturally occurring orthopedic diseases of domestic animals, and develop therapeutic strategies of relevance both to these and human patients. This program has extensive overlap with the oncology and pain management programs.

**Reproductive Biology.** The Department of Veterinary Biosciences is developing plans for a new Center for Reproductive Steroid Research which will build upon a newly established endowed chair in reproductive biology. The Center would support multi- and interdisciplinary research on the UIUC Campus with national and international collaborations. In addition to reproductive biology, the interdisciplinary topics would include, but not be limited to the general areas of steroid receptor biology and chemistry, cardiovascular health and disease, oncology, immunology, and aging. Specific areas of research that fit these broad categories and are now being actively conducted include estrogen effects on cancer of the breast and prostate, male and female contraception, cholesterol and atherosclerosis, obesity and lipids, ischemia/reperfusion injury, genetics of inflammation and the acute phase response and the neurobiology of aging. This initiative will be implemented through the recruitment of a faculty position created by the endowed chair. It is envisioned that this faculty member will provide the leadership to focus the many Campus disciplines into a significant force for pursuing outside funding. The successful development of this area of research emphasis will involve approximately 20 faculty and impact

programs in the Departments of Molecular and Integrative Physiology, Cell and Structural Biology, Animal Sciences, Food Science and Human Nutrition, Kinesiology, and the Center for Microscopic Imaging at UIUC as well as programs at the state, national, and international levels.

### **FY 03 Programmatic Initiatives**

**Production Animal Medicine and Management.** A panel comprised of veterinarians, industry collaborators and academicians has been appointed to evaluate and develop a comprehensive program in Production Animal Medicine and Management. This team will be meeting with College faculty over the next several months. This is an exciting opportunity for us to shape the future of veterinary medicine and to make this a signature program in the College of Veterinary Medicine. Also, we anticipate collaboration between this program and the Program in Wildlife, Conservation Medicine and Ecosystem Health described below to mesh animal production management with environmental stewardship and thus gain increased public support for animal agriculture in the state and region.

**Program in Wildlife, Conservation and Ecosystem Health.** We are developing this program to meet the need for an organized program of study and research exposure for veterinary students, nationwide, whose primary career intentions are in the field of wildlife and ecosystem health. This builds on strong existing programs, including our Envirovet Summer Institutes, Zoological Pathology Program, Zoo Medicine Program, and Wildlife Medical Clinic in addition to our role in the Conservation Medicine Center of Chicago and a number of other areas of College research emphasis.

**Chicago Satellite Practice.** We are currently evaluating opportunities for partnership with existing large veterinary practices in suburban Chicago for provision of specialty companion animal medical care in the Chicagoland area. We view this as a natural extension of our service mission to the public of the State of Illinois, particularly in light of the state population distribution in the Chicago area. This is an opportunity for significant expansion in our clinical practice, allowing for increased case material for clinical instruction and scholarly activity.

### **FY 03 Budget Issues/Proposals**

The College will be collaborating with CCSO and Campus on funding a new College network which is estimated to cost \$1.2 million.

As reported previously, the National Center for Research Resources (NIH) grant proposal for renovating the shell space of the Veterinary Medicine Basic Sciences Building was funded. As this project begins, the College will be working with Campus to provide the match to this construction grant. Total cost of the renovation is estimated to be \$3-\$4 million dollars—NIH grant award for \$1.5-\$2 million with equal matches (up to \$1 million respectively) to be provided by the College and Campus.

The College will be making a concerted legislative effort to renew its grant from the Governor's Venture Technology Program. The funds provided in FY 02 (\$1.5 million) have been instrumental in broadening the College's research efforts and strengthening our programmatic initiatives.

A steering committee is being appointed to study the University's need for a Biocontainment Facility. Such a facility would enable extramurally-funded research on infectious agents with the potential to cause major outbreaks of disease. Included are disease organisms that are highly

infectious, those that have been eliminated from the state and nation through previous control programs, and those with the potential to serve as agents of bioterrorism. Also of importance for the Campus is the need for a biowaste disposal system (digester or incinerator). The present incinerator will be out of compliance with EPA regulations in 2003.

Following a formal Facilities Condition Audit, the VTH submitted an application for renovations and improvements to the Large Animal Hospital via the FPC Minor Remodeling Programmatic Projects program. The subcommittee has recommended funding the renovations in FY 05 at a level of \$800,000. Due to urgent needs for facility improvement, the Department of Veterinary Clinical Medicine continues to expend significant amounts on VTH renovation and maintenance. In calendar year 2001, VCM spent \$260,000, not including vehicle replacement and repair. The College will continue to develop plans for refurbishing areas in the Veterinary Teaching Hospital that receive extensive use by faculty, students and staff (7 days/week, 24 hours/day) and are a significant aspect of public outreach and visibility.

Laboratory remodeling projects are underway in the Basic Sciences Building (1727, 3417A&B, 3828, 3618) to support new programmatic initiatives. These upgrades are being funded through state building maintenance funds.