

MISSOURI ALUMNUS

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VET MED SECTION

Fee Schedules To Be Changed

An adjustment in the supplementary fee for students in the School of Veterinary Medicine on the Columbia campus was approved by the University of Missouri Board of Curators.

Under the revised supplementary fee schedule, first and second year students in the Veterinary School will be charged \$75 per semester. Third and fourth year students will be charged \$75 twice a year, payable by July 1 and January 1. Previously all veterinary students were charged a supplementary fee of \$32.50 per semester.

The supplementary fee structures in the Veterinary School have remained unchanged through nearly two decades, despite increased costs of operation of professional schools. The School accepts 65 students in its entering class each year.

Best Teacher Named

For the second time, Dr. C. J. Bierschwal, professor of veterinary medicine, has been awarded the School's Norden distinguished teacher award. The award, which he first received in 1967, was presented at the honors convocation banquet in May.

'Block' Gets Funds

The School of Veterinary Medicine has been awarded \$129,083 for a health professions educational improvement program institutional grant. It is funded through the National Institutes of Health of the U.S. Department of Health, Education and Welfare.

The grant which is for July

1, 1971 to June 30, 1972 will be used to support the educational resources program and aid in the implementation of a new curriculum which will begin in June. The new curriculum divides the final two years into 12 two-month blocks in which one subject will be studied for the entire block. For graduation, students must complete eight blocks and may use the other four to strengthen or specialize in an area or to gain practical experience working with a practicing veterinarian.

The grant will be under the direction of Dr. B.W. Kingrey, dean of the School of Veterinary Medicine.

Awards Made

Clinical awards named in honor of the late Dr. Edgar F. Ebert have been established as a memorial by Mrs. Ebert with contributions and gifts from faculty, alumni, and friends.

The fund now contains about \$2000 and specifies that earnings from the endowment will be used to establish clinical awards in small animal and large animal medicine for fourth year students, based on academic excellence as well as character, citizenship and leadership.

The first awards were made this year at the May 6 Honors Convocation Banquet.

Dr. Ebert was killed in a tractor accident on his farm last June. He joined the faculty in 1950 as director of clinics and served also as a former chairman of medicine and surgery. He was nationally-recognized for his work in equine medicine.

Donations may still be made to the fund through the Development Office, 310 Jesse Hall, and designated for the Ebert Fund.

Group Selects Dr. Morehouse

Dr. L.G. Morehouse, professor of veterinary pathology and director of the Veterinary Medical Diagnostic Laboratory, has been appointed to the accreditation committee of the American Association of Veterinary Laboratory Diagnosticians for a two-year term.

The committee administers a program designed to help laboratories develop and maintain minimum standards of instrumentation, operation and personnel.

Dr. Morehouse is presently serving as chairman of the North Central Conference of Veterinary Laboratory Diagnosticians. He has been on the School of Veterinary Medicine faculty since 1964 and became the director of the Diagnostic Laboratory when it was first organized in 1968.

Conference To Be On Columbia Campus

All veterinarians are invited to attend the scientific programs sponsored by the North Central Conference of Veterinary Laboratory Diagnosticians and the North Central Poultry Disease Conference on June 14, 15, and 16 at the Columbia campus.

Programs have been planned which will be of special interest to the practitioner and will include in the diagnosticians meeting papers on subjects such as swine dysentery, TGE, salmonellosis, respiratory disease of cattle, sudden death syndrome in feeder cattle, and thromboembolic meningoencephalomyelitis of cattle as well as new developments in diagnostic

laboratory techniques.

Demonstrations of teaching carrels used for undergraduate and continuing education instruction in the diagnostic laboratory will be available.

Papers for the North Central Poultry Disease Conference include Marek's disease, infectious bursal disease, entericairsacculitis and salmonellosis.

Dr. William McCulloch or Dr. L.G. Morehouse should be contacted for information concerning the Diagnosticians program and Dr. McCulloch or Dr. L.D. Olson for the Poultry Disease Conference.

Seek Early Diagnosis

Growing evidence that rabies is not necessarily a fatal disease but that present methods of diagnosis are inadequate has lead Columbia campus researchers to consider ways to diagnose rabies in its early stages.

Dr. T.H. Fuh, a resident fellow in microbiology at the School of Veterinary Medicine, has been working the past year and a half with Dr. D.C. Blenden, associate professor of veterinary microbiology and community health and medical practice, to find a useful technique to make this early diagnosis. Until now the only method of positive diagnosis of rabies was from the brain tissue of the dead animal or person. This method has biased us to believe that the disease is 100 percent fatal once the symptoms have appeared. Therefore, a technique which will positively diagnose rabies in a living animal or person in the early stages may prove it is not always fatal.

Fuh told participants at the

Missouri Students Enjoy Career Day

Even though the weather was snowy and cold, the spirits of the visitors attending the Eighth Annual Career Day at the School of Veterinary Medicine were not dampened. More than 200 high school students were brought to the School by 19 Missouri veterinarians.

Career Day at the Veterinary School is unique in the field of veterinary medicine because the event is sponsored by the Missouri Veterinary Medical Association and the student chapter of the AVMA. The School cooperates by organizing the program, displays and tours which give the visitors a chance to see exhibits and talk with students in all departments of the School.

One of the most popular exhibits this year was in the anatomy laboratory which students prepared with the assistance of Dr. R. C. McClure. Included were an open cow stomach, a horse leg used to demonstrate how they lock their legs to stand and sleep, a series of pig feti from 10 days to birth, a cat uterus containing five feti, and skeletons from eight animals ranging in size from a bird to a horse. Anatomy students explained each exhibit.

Other exhibits included such things as a hair ball from a cow's stomach about the size

of a coconut in the pathology display and a monkey with tapeworm cysts in the microbiological exhibit.

An intensive care unit was set up in the small animal clinic where a dog's vital signs were being monitored by an elaborate machine using a small transitor taped to the dog's body. The system has been developed by the Space Science Research Center staff under the direction of Dr. A. W. Hahn and will be in regular use in the clinic soon.

The visitors were divided into two sections with one group taking tours while the other met in the Clinic Auditorium for a program which included a welcome from Dean B.W. Kingrey; Cecil



TWO STUDENTS DISPLAY THE INTENSIVE CARE UNIT TO VISITORS DURING THE ANNUAL CAREER DAY.

Moore, president of the student chapter of the AVMA; and Dr. Robert Hertzog, president of the MVMA.

Fourth year students told of the various facets of the profession: Preparation for Veterinary School, Professional School, Veterinarians in Public Service, Practice Specialties, Large Animal Practice, and Small Animal Practice. Associate Dean for Academic Affairs George Shelton gave the visitors information on admissions and application procedures.

A movie "The Gentle Doctor," telling the story of the history and development of the veterinary medical profession, was also shown.

guests began their tour through the small animal clinic area. They saw examining rooms, a mock-up operation, a dog in an intensive care unit, and the facilities of the area. In the radiology area the visitors saw how video tapes and radiographs are used in the treatment of animals.

One of the ambulatory trucks was open for inspection in the large animal section along with operating rooms and the patient area with horses, cows and a lame ostrich from the Kansas City Zoo.

Exhibits from Career Day were still open in Connaway Hall in anatomy, microbiology and pathology and a monitoring unit showing how a dog's vital signs are checked was in operation in the physiology building. Student chapter members conducted the tours and explained the exhibits for the day's events.

annual meeting of the American Society for Microbiology on May 3 in Minneapolis that he has been working with a biopsy technique to identify rabies virus in skin (epithelial cells which surround the hair follicles in mice. A fluorescent antibody is applied to the frozen sections of skin. The virus can be identified on the first day of symptoms in the skin of the inoculated mice by this method. In addition, the same finding in naturally occurring cases of rabies has been demonstrated in dogs and skunks.

The same technique applied to the salivary glands of these animals also proved a satisfactory diagnosis.

A major advantage of these techniques is the possibility of performing the biopsy at the time a human is bitten and reliably predicting whether the animal is rabid, thus, preventing the necessity of expensive anti-rabies vaccinations and the anxiety of waiting until a definite diagnosis can be made.

It is estimated that 50,000 courses of anti-rabies vaccine and 8000 doses of anti-rabies horse serum are given each year.

Dog Breeders Give

Emil Klinckhart, the president of the St. Louis Dog Breeders Association, presented a check for \$1550 to Dr. Harlan Jensen, chief of veterinary ophthalmology, on behalf of the association.

The grant will be used to purchase three stereo viewers and an indirect ophthalmoscope. The viewers will contain 20 three-dimensional or stereo slides and will be used by students and practicing veterinarians who come to the School for continuing education. They can also be used for exhibits at meetings and conferences.

Dr. Jensen has a special camera used to make the stereo slides for the viewers.

The ophthalmoscope, which is used in the examination of a patient's eyes, will be used for teaching and service in the hospital-clinic.

Hahn, Rowley Get Heart Fund Grant

A grant for \$10,040 from the Missouri Heart Fund has been awarded to Dr. Allen W. Hahn,

professor of veterinary medicine and surgery and bioengineering and investigator at the Space Science Research Center, and Dr. Blair A. Rowley, assistant to the director for engineering at the Space Science Research Center and assistant professor of physical medicine and rehabilitation.

The grant is for continuing research in a "Cardiac Pacing System Powered by an Implanted Hybrid Power Cell." Dr. Hahn and Dr. Rowley, both biomedical engineers, are designing and testing a low-power cardiac pacemaking system which will last at least ten years. Those currently in use by man are of relatively short duration with a maximum of two to three years.

The power cell, which is implanted surgically in laboratory dogs, can also be used to power other devices

such as transmitters which record physiological information such as body temperature, heart and respiratory activity.

Student Open House Successful

Veterinary medical students and their wives who organized the School of Veterinary Medicine Open House entertained almost 650 visitors with tours, displays, free literature, a movie and refreshments.

Dean B.W. Kingrey and Associate Dean George Shelton were asked to serve as greeters at the Hospital-Clinic where