VETERINARY MEDICAL REVIEW

School of Veterinary Medicine
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Students Follow Fathers' Footsteps

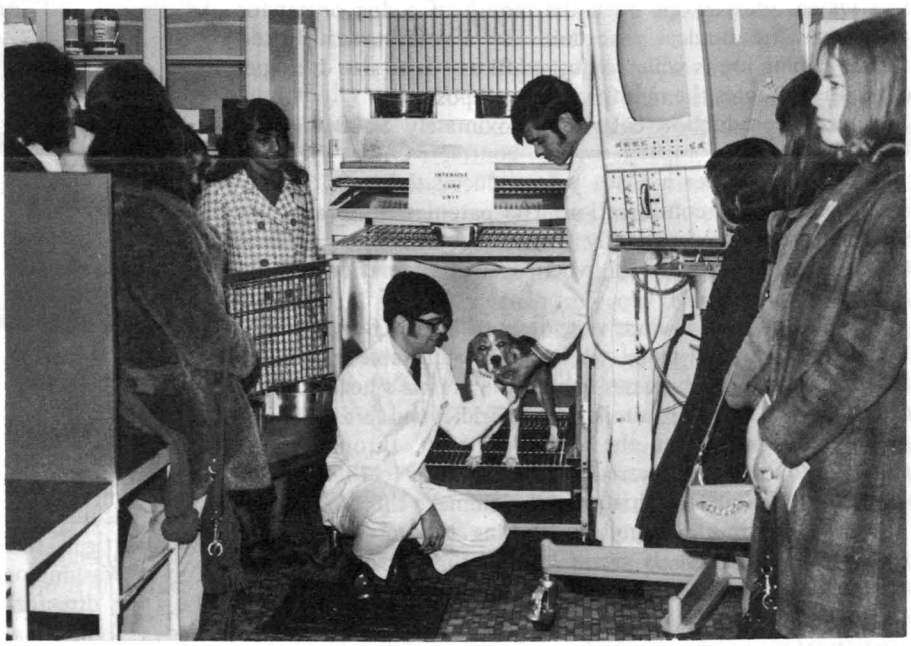
Despite lengthy discussions of the generation gap, there are a number of college and university students preparing for a career similar to their father's. Some even anticipate a partnership with this parent after graduation.

Nine students from the 249-member student body of the School of Veterinary Medicine list their father's occupation as veterinarian on their application for enrollment.

These seven male and two female veterinary students share backgrounds of observing their father in his practice and assisting with minor office duties. Three of the students come from homes where three, five, and seven other family members hold D.V.M. degrees.

The students' interest in animal care appears to be derived directly from the father's or other relatives' interest, rather than from rural or urban environment. Seven of the students are Missouri natives from towns and cities of varying size, with Green City the smallest and St. Louis the largest. Six of the students decided before high school graduation to enter veterinary school. The remaining three decided after receiving a bachelor of science degree or having completed several semesters of basic sciences curriculum. The students unanimous agree that the decision to enter veterinary school was entirely their own without persuasion or pressure from the father or any other family member.

(continued on page 4)



Career Day Is March 30

Career Day 1972 is scheduled for March 30. This is the Ninth Annual Veterinary Career Day at the UMC School of Veterinary Medicine, A project of the Missouri Veterinary Medical Association, it is held in cooperation with the faculty of the School and the student chapter of the A.V.M.A.

High School students from across the state are sponsored by local veterinarians for the one-day visit to the School. More than 200 students attended last year to see the exhibits and displays and to talk with students and faculty. Tours take the students to Connaway Hall where there are displays in anatomy, microbiology and pathology and to the Veterinary Science Building where there is a display by the physiology department. In the Hospital-Clinic Building the students see operating rooms, examining rooms, radiology, pathology, one of the ambulatory trucks and the patients in the large animal clinic.

An assembly provides an opportunity for students to learn about the profession from students and faculty and obtain information about attending the University.

For information, contact Dr. George Shelton, associate dean for academic affairs, Connaway Hall, School of Veterinary Medicine, Columbia, Mo. 65201.

Veterinarian Enjoys Creating Inventions

Patenting an invention does not necessarily insure product demand even if the inventor's brainchild can be usefully applied to the field for which it was designed.

Such is the case with Dr. H.H. Berrier, associate professor of veterinary pathology in the Veterinary Medical Diagnostic Laboratory, UMC School of Veterinary Medicine. He patented a device which safely props open the mouth of a dog or cat for examination and surgical procedures by a veterinarian. Fitted with telescoping joints which adjust to fit any head size or shape, the invention secures the mouth in an open position.

However, production cost is approximately $100 and the veterinary supply company which contracted for exclusive rights from Dr. Berrier has not yet produced the invention because of initial cost consideration. The patent was obtained in 1958, but Dr. Berrier patiently awaits the time when production costs can be reduced or when cost consideration will be eliminated by demand.

A cattle mouth speculum was invented by Dr. Berrier. Basic parts include a hollow metal tube with an adjustable mouth bit and a small chain which passes behind the animal's head to hold the instrument in place, similar to a bridle and bit. The adjustable tube is placed in the animal's mouth, through which a stomach tube can be passed. This eliminates teeth scratches on the stomach tube and irritating the animal's throat. Because of precision tooling required in making the interchangeable parts of the bit, cost is again the factor which precludes production and use.

He also created an instrument which fills blood-diluting pipettes but did not apply for a patent because the instrument is basically composed of a precision piston and metal threads, which are in the area of public domain. Resulting from an article in a science journal, several medical schools requrested these instruments, and they were even used by the Atomic Energy Commission in work with radio isotopes. Invented in 1956, the instrument has since been outdated by plastic, disposable pipettes.

A unique "bleeding fishing plug" was created by Dr. Berrier that would almost insure a good catch on every fishing expedition. The lure is hollow and contains a bottle of citrated blood. A ball bearing acts as a stopper when the lure is cast and then rolls free to release the blood when the lure is floating in water. Since all game fish are carnivorous, the smell and taste of blood will attract them when the lure is used. This device is also expensive to produce, but Dr. Berrier plans to consult with tackle manufacturers for possible production. A U.S. patent attorney has conducted a patent search and found this device is patentable.

Dr. Berrier's creative bent was first cultivated as a vocational agriculture teacher in high school, which included instructing students in various types of shop work. Now he has a 30x30 foot workshop in his home basement, supplied with precision tools. Currently he is making bird feeders, bird houses and framing pictures.

Other hobbies which consume the veterinarian's off-duty hours include oil painting and photography. His painting of a white tiger, which is one of the specimens at the National Zoo in Washington, D.C., hangs in the home of Dr. Ted Reed, the zoo's director and former classmate of Dr. Berrier. He also enjoys flying, having logged over 150 hours, and mountain hiking. He completed a course in taxidermy a few years ago.

Dr. Berrier has published three editions of the book "Diagnostic Aids in the Practice of Veterinary Medicine" since 1958, with the second and third editions each consuming more than three years of work at home at night. The third edition was printed in 1968. Publication will end this spring because of the time required in revising editions, Dr. Berrier said.

A company in Indiana had previously purchased from the publisher enough of these books each year to distribute a copy as a gift to every veterinary student in the United States; a practice it continued since the first edition. Almost 30,000 copies have been sold by the publisher.

Dr. Berrier has been at the UMC School of Veterinary Medicine for 23 years. He is active in the U.S. Air Force Reserve Veterinary Corps, with the rank of colonel, and is the Air Force medical service liaison officer to the Veterinary School. He has served as president and in other executive offices of the American Society of Veterinary Clinical Pathology. Dr. Berrier has published 25 papers in professional journals and is listed in "Who's Who in the Midwest," "American Men of Science" and "Who's What and Why in Missouri."

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Dr. Howard Elected To Surgeons College

Dr. Donald R. Howard, research associate in veterinary medicine and surgery, was elected as a diplomate in the American College of Veterinary Surgeons at their 7th Annual Meeting at the University of Illinois, Feb. 2-4.

Dr. Howard received a B.S. and D.V.M. from Michigan State University, an M.S. from Texas A&M and is presently completing a Ph.D. in veterinary anatomy at UMC.

Dr. Howard was an assistant professor at Texas A&M from 1966-70 in small animal surgery. He will join the staff of Michigan State University as an associate professor of surgery in the Department of Surgery and Medicine on May 1.

He is a member of Phi Zeta, American Society of Veterinary Ophthalmologists, American Animal Hospital Association, American Veterinary Medical Association and the Michigan and Missouri Veterinary Medical Associations.

Laboratory Animal Grant Continued

A project to conduct research to increase understanding of spontaneously occurring diseases of laboratory animals has been granted to the University of Missouri-Columbia by the Public Health Service.

Now in its fourth year, the project has been awarded $46,740 under the direction of Dr. J.E. Wagner, associate professor of veterinary pathology. Others working on the project include D. R. Owens, research associate in veterinary microbiology, and Dr. N. C. Ronald, senior research technician.

The project provides consultative services to faculty and personnel engaged in research requiring laboratory animals at the University of Missouri and other regional paramedical research institutions. The project utilizes space in the Veterinary Medical Diagnostic Laboratory and provides residency training for post-doctoral fellows in Laboratory Animal Medicine as well as junior and senior veterinary students.

Senior Student Plans Exotic Animal Career

Changing the image of the veterinarian is the goal of UMC senior veterinary student Miss Joanne Stefanatos. Miss Stefanatos, who left Jan 18 for Las Vegas to join a veterinarian in practice at the Paradise Animal Hospital, believes the public must be made aware that the veterinarian is much more than just a horse doctor.

People must realize, she says, that the veterinarian is an active and important member of the community.

"He should be an educator," she says.

She hopes eventually to emphasize the veterinarian's role as educator by means of regular television programs in which the veterinarian discusses and demonstrates what veterinary medicine is all about.

"Television is going to open up everything in the future; it will be THE means of communicating," she adds.

Educating the public about veterinary medicine and about animals in their natural state is so essential to Miss Stefanatos that she hopes to incorporate it into her plans to establish a wild animal preserve in the United States. She plans eventually to design and build such a preserve, which will include animals in their natural habitats, an animal hospital, a learning center for the public and an area for research.

Although she thinks it will take about five years to become well enough established to start building a wild animal preserve, Miss Stefanatos thinks the times are right for such an undertaking. It is a transition period, she says. She notes that zoos are now termed zoological gardens and are concentrating more on displaying animals in their natural surroundings.

Over the years Miss Stefanatos herself has become familiar with animals in in their natural habitats. Born and raised in New York for 18 years before moving to Las Vegas with her family, she spent all her summers in the Catskill Mountains working at her father's resort. She had a lot of time to walk around and communicate with nature, she says. It is to these summers that she most attributes the high reverence she holds for all forms of life.

As far as her veterinary practice is concerned, Miss Stefanatos hopes to concentrate on exotic feline medicine.

"I've always been attracted mainly to the felines, especially the large felines," she says.

Seeing them encaged has bothered her, and she hopes to give them more freedom someday on her preserve.

As if television and wild animal preserves weren't enough to keep her busy, she also hopes eventually to write at least three books. These would cover such subjects as the interpersonal relationship between an owner and his pet and the photography of animals.

Miss Stefanatos has a rich background for such aspirations. Among other interests, she has written plays and prose and has done some photography. In veterinary school she created, designed and edited "Anastomosis," the School's yearbook. She was editor-in-chief and chief photographer for four years. A University Scholar, she was one of four UMC veterinary students chosen in 1971-72 for "Who's Who Among Students in American Universities and Colleges." She received a B.S. in zoology in 1967 from the University of Nevada at Las Vegas.

Has being a woman affected Miss Stefanatos' veterinary career so far? She says no, other than the fact that perhaps she is called upon more frequently in class than the men. She views the University of Missouri School of Veterinary Medicine as quite a progressive school. Women are pretty well accepted on an equal basis, but being accepted of course depends on the individual, she says.

"The ones in my class are the type to do something about it in the future," she says.

After she returns to graduate with the rest of her class in May, Miss Stefanatos intends to do just that.

Students Follow Fathers

Fourth-year student **Larry Bailey** will be the fifth member of his family to hold a D.V.M. when he graduates. The Bailey family veterinarians begin with Larry's great-great-grandfather, and continue through his grandfather, Dr. E. G. Bailey Sr., retired, and his father, Dr. E. G. Bailey Jr., in mixed practice in Dexter. The 23-year-old attributes his father, Missouri Veterinary Medical Association's 1972 'Veterinarian of the Year," as being one of the better equine practitioners in the state.

Larry Bailey's lifelong ambition to become a veterinarian results from his exposure to the profession and from working on the family's small farm. Bailey had assisted his father during the summer months until last year when he toured the northern-midwest states as a calf roper with the United Rodeo Association. He is a member of Sigma Nu Fraternity.

Gary Church likes the pride and interest animal owners display around their pets so he wants to become a small-animal practitioner. The third-year student from Springfield decided on a veterinary career in high school, influenced somewhat by admiration for his father. The late Dr. John W. Church, a large-animal specialist in Lockwood, Mo., was accompanied by his son on house calls, but the 23-year-old said he couldn't offer much assistance since he was 11 at the time of his father's death. Church said that the childhood recollections of his father's practice aren't strong enough to have been the decisive factor toward enrollment in veterinary school.

Third-year student **Bob Gouge** is extending a veterinary tradition in his family. His grandfather, Dr. M. E. Gouge, a meat inspector in Sedalia, Mo.; his father, Dr. Robert E. Gouge, a Kansas State University graduate who is in private practice in Sedalia; and his uncle, Dr. Hardin E. Gouge, in veterinary research at St. Joseph, Mo., all hold D.V.M. degrees. Sandy-haired, 25-year-old Gouge graduated from Westminster College in 1968 with a B.A. in biology. He worked in Kansas City a year at Midwest Research Institute before enrolling in the Veterinary School.

Gouge explained that his pursuit of a D.V.M. degree comes from his interest in animals, the outdoors, and the diversity offered practicing veterinarians, both in location and type of work, not from any pressure exerted by the veterinarians in his family. His interests lean toward outdoor sports, remaining single for a while, and a general practice after graduation, possibly in a western United States location such as San Francisco.

Richard Kent developed an interest in large-animal care from growing up on a farm where about 50 head of cattle were raised. The home atmosphere of the second-year student from Green City, Mo., naturally served as an influence for veterinary school enrollment. Reinforcing Kent's decision was observation of his father, Dr. Kyle Kent, 1953 UMC School of Veterinary Medicine graduate, at his large-animal practice in Green City. At 21, Kent's future plans encompass owning a practice and farm similar to his father's. His devotion to achieving a veterinary degree is reflected through his membership in Phi Eta Sigma, Sigma Rho Sigma, and Alpha Zeta, Veterinary School honor societies based on the members' academic and extracurricular achievements.

(Additional students continued next month)

—About the Faculty—

Dr. J. N. Berg, instructor in veterinary microbiology, gave a talk on "Synergistic Mechanisms of Anaerobic Bacteria in Pathological Lesions with Special Reference to *Fusobacterium necrophorum"* at a seminar series on anaerobic bacteria Jan. 11 at Iowa State University in Ames, Iowa.

Dr. W. R. Threlfall, resident in veterinary medicine and surgery, presented a seminar on "Metritis-Mastitis-Agalactia in Swine" Jan. 21 at the Tuskegee Institute.

Dr. H. E. Garner, professor of veterinary medicine and surgery, presented "Cardiovascular Hemodynamics in Domestic Ponies," a paper he co-authored, at the National Conference on Research Animals in Medicine in late January in Washington, D.C.

Dr. H. E. Jensen, associate professor of veterinary medicine and surgery, presented a "Seminar of Clinical Ophthalmology" to the Central Florida Veterinary Medical Association in early February in Orlando, Fla.

Dr. J. E. Breazile, professor and chairman of veterinary anatomy, presented a paper on "CNS Problems in Small Animals" at the annual Oklahoma Veterinary Medical Association meeting Feb. 1 in Oklahoma City.

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