



VETERINARY MEDICAL REVIEW

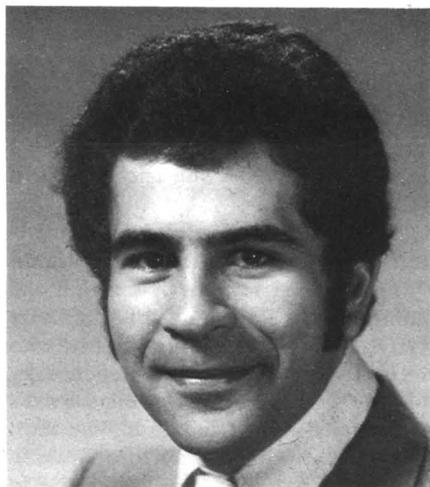
School of Veterinary Medicine
University of Missouri-Columbia

February 1, 1973 No. 59

School Appoints Three to Faculty

Three new faculty members have been appointed to the School of Veterinary Medicine. Dr. Moses Joseph Bojrab has been appointed associate professor of veterinary medicine and surgery and will begin May 1. Dr. Robert Miller, research associate in veterinary pathology, and Dr. Jack Stees, research associate in veterinary microbiology, recently joined the staff.

Dr. Bojrab recently completed a Ph.D. in Spinal Biomechanics at the University of Bristol, England. He also has a D.V.M. from Purdue University and an M.S. in Physiology from Oklahoma State University. He has been on the staff of Oklahoma State University since 1966. His professional affiliations include American Association of Veterinary Medical Colleges, American Animal



Hospital Association, American Association of Veterinary Clinicians, American and Oklahoma Veterinary Medical Associations and Phi Zeta.

(Continued on page 3)



Dr. E. S. (Sid) Brokken, left, research veterinarian with Merck and Co. regional research facility at Mexico, presents a check for \$5,000 to Dr. E. R. Ames and Dean B. W. Kingrey.

Merck Supports Internship For Teaching Parasitology

Dr. E. R. Ames, associate professor of veterinary microbiology, University of Missouri-Columbia School of Veterinary Medicine, has received a \$5,000 grant from Merck and Company for a "Teaching Internship in Parasitology."

Third and fourth year veterinary students who are interested in gaining experience in teaching and in parasitology will have the opportunity to assist with instruction of the parasitology curriculum offered in the second year of veterinary medicine. One or two students will be selected to help with the instruc-

tion and will help relate clinical cases to the courses. The interns will serve for eight weeks during an optional block of the segmented curriculum. This plan divides the final two years of veterinary medical training into twelve blocks, eight completed blocks of instruction being required for graduation. The optional block program encourages students to gain experience in the field working with practitioners, industry, or in additional course work. The interns will receive a stipend from the Merck and Co. grant.

Dr. C. J. Bierschwal:

Profile of an Outstanding Teacher

What makes a man an outstanding teacher?

There are probably as many answers to that question as there are students, since students each have a different concept of what a teacher should be and use different criteria in evaluating their instructors.

In the case of Dr. C. J. Bierschwal, professor of veterinary medicine and surgery at the School of Veterinary Medicine, however, the combination of a thorough knowledge and an intense interest in his subject matter coupled with a sincere desire to communicate effectively with his students seems to be the successful formula.

In his 21 years at the University of Missouri, Dr. Bierschwal has gained the respect and admiration of his students and fellow faculty members alike and acquired a well deserved reputation as an outstanding educator. A two-time winner of the Norden Distinguished Teacher Award, Dr. Bierschwal was also given recognition as a Distinguished Faculty Member in 1970 by the University of Missouri Alumni Association.

Nationally recognized for his work in veterinary theriogenology (obstetrics and gynecology), Dr. Bierschwal is chief of the theriogenology section at the Veterinary School and, along with his co-workers Doctors C. E. Martin and E. C. Mather, he provides the School's students with instruction in this field.

Enthusiasm Affects Students

Dr. E. A. Corley, chairman of the School's department of veterinary medicine and surgery and the only other veterinary faculty member to win the Norden Award twice, cites Dr. Bierschwal's exceptional knowledge and interest in the area of theriogenology and the impression this makes upon his students. "He's very dedicated to the field of theriogenology," Dr. Corley notes, "and this gives him an infectious enthusiasm that he passes on to his students."

Any of Dr. Bierschwal's former students will readily testify to his profound knowledge of his subject matter. "He really knows his material," says Michael Vaughn, a third-year student who recently completed coursework in the theriogenology block of instruction. "And he puts a lot of thought into the way he presents it, indicating he has a real interest in it," he adds.



Dr. Bierschwal's teaching methods include the extensive use of audio-visual materials. Dr. Bierschwal pioneered the use of autotutorial study aids within the Veterinary School some twelve years ago and at present he and his co-workers have a collection of 25 8mm movies and 36 slide-sound programs which are used in classes and in individual student study.

Dr. Bierschwal says he developed this use of visual and autotutorial aids "out of necessity, after trying to stretch myself into two places at once." In laboratory instruction for instance, he says, the use of audio-visuals enable him to demonstrate to the students what is to

be done and supervise their performance of the task simultaneously. "Also," Dr. Bierschwal explains, "due to the seasonal nature of animal reproduction problems, a cause-oriented approach to theriogenology instruction cannot be used. Audio-visuals take the monotony out of a lecture and help explain things which are almost impossible to explain in words alone," he adds.

Dr. Corley refers to the theriogenology autotutorial setup as the most extensive of any block of instruction at the School. "Dr. Bierschwal was the first at the School to use these techniques," he notes, "years before they became popular." In addition, Dr. Corley says, Dr. Bierschwal is well aware of the limitations of audio-visual and autotutorial aids. "he knows it's only a set of hardware," he explains, "limited in value unless there's also personal contact with the students."

A-T's are "Wonderful Tools"

Though he uses them to good advantage, Dr. Bierschwal will quickly admit that audio-visual and autotutorial aids are not a panacea for educational problems. "They're a wonderful tool," he says, "but they can't be relied upon to get the whole job done. Veterinary students, for instance, have plenty to do," he adds, "and they will not make use of an autotutorial program unless they are motivated and encouraged in the classroom."

Most of Dr. Bierschwal's students react favorably to his teaching methods. "I find it easier to learn by seeing it and doing it than by reading about it," says Gary Prewitt, a fourth-year student who recently completed the theriogenology block. "That's sort of Dr. Bierschwal's philosophy—'see it and do it,'" he adds.

Dr. Bierschwal spent three years in the Marine Corps and has been active in the Army Reserve Veterinary Corps (where he now holds the rank of Lt.

(Continued on page 3)

School Receives Research Grant

The School of Veterinary Medicine has received a \$10,989 grant from Parke, Davis & Company in support of research in feline anesthesiology currently being conducted in the School's Veterinary Hospital-Clinic.

The feline anesthesiology studies are being conducted by Dr. Charles E. Short, professor of veterinary medicine and surgery, with the assistance of Dr. Robert R. Paddleford, Dr. Stuart L. Nelson and other personnel in the School's pathology and medicine-surgery departments.

The studies involve the evaluation of the effects and clinical pathological changes observed in felines under varying doses of selected anesthetics. Thirty experimental animals have been tested since the research project began in November.

Parke, Davis & Company, a Michigan pharmaceutical firm, has been instrumental in the development of some of the new anesthetics being tested in the studies, particularly a group known as dissociative anesthetics which produce varying degrees of dissociative behavior ranging from sedation to surgical anesthesia.

Bierschwal Con't

Colonel) since 1950. "The military has been the basis of a lot of my teaching ideas," he says, "the use of autotutorial programs, for instance. The military has been writing objectives and plans on how to teach someone to do something for a long time. They were talking about things in 1951 that most educators are just starting to think about," he adds.

Dr. Ebert Was Great Influence

Dr. Bierschwal also describes the great influence the late Dr. E. F. Ebert, director of the School's Veterinary Hospital-Clinic from 1950 to 1969, had on his career as an educator. "he was an extremely unselfish individual," Dr. Bierschwal explains, "whose patience and encouragement helped motivate and guide my teaching efforts."

Dr. Bierschwal also points out that the quality of instruction in the theriogenology block is the product of the

Dr. Schmidt Receives Certification

Dr. Donald A. Schmidt, professor of veterinary pathology, has been certified as a clinical pathologist by the American College of Veterinary Pathologists. Dr. Schmidt is one of only nine pathologists to be so honored by the ACVP, a professional organization composed of practitioners in the field of veterinary pathology throughout the country.

Dr. Schmidt became an ACVP diplomate in clinical pathology after passing a two-day exam in Atlanta, Georgia in November. The exam, administered in

conjunction with the ACVP's annual seminar, included both written questions and practical exercises in the areas of hematology, biochemistry, toxicology, cytology, microbiology and immunology.

Dr. Schmidt received his D.V.M. and Ph.D. from Michigan State University in 1947 and 1961 respectively, and remained at MSU as an associate professor of pathology until coming to the University of Missouri in 1966.



Dr. Schmidt first became a diplomate of the ACVP in veterinary pathology in 1959. He is also a member of the American Association for the Advancement of Science, the American Veterinary Medical Association, the Missouri Veterinary Medical Association, Sigma Xi, Phi Zeta and the American Society of Veterinary Clinical Pathologists.

First Year Student Receives Scholarship

Miss Barbara Ann Rickelmann, a first-year student in veterinary medicine, has been named a recipient of the Alpo Pet Food Company's four year, \$1,000 a year scholarship.

Under the terms of the scholarship, which was established in 1971, Miss Rickelmann will receive a yearly stipend of \$1,000 to continue her veterinary studies at the School.

Alpo scholarship recipients are selected from among the entering freshmen class, one from each of the nation's 18 veterinary colleges, by the scholarship programs committee.

combined efforts of himself and his fellow teachers, Dr. Mather and Dr. Martin, whom he characterizes as "outstanding people to work with. If our theriogenology section is any good," he says, "it's because all of us work together to make it that way."

In addition to teaching undergraduates at the School of Veterinary Medicine, Dr. Bierschwal spends a considerable amount of time in extension and continuing education. His activities withing the last year have included organizing and implementing workshops for the state's veterinary practitioners on improving conception in the mare and on bovine infertility, and the presentation of a seminar at the American Association of Bovine Practitioners annual meeting.

As with any instructor of a complex

New Faculty Con't

Dr. Miller has been in veterinary practice in Warrensburg, Mo., the past 16 years. He received a B.S. and D.V.M. from Kansas State University. He is a member of the American Veterinary Medical Association, American Association of Bovine Practitioners and the American Animal Hospital Association.

Dr. Jack Stees has been a research fellow and research associate at the Dalton Research Center, University of Missouri, since 1967. He received a B.A. from Indiana University, an M.S. and Ph.D. from the University of Missouri-Columbia. He is a member of the American Society for Microbiology, the American Association for the Advancement of Science and Sigma Xi.

and dynamic subject, Dr. Bierschwal also spends time keeping up with new knowledge in the field of theriogenology and finds it necessary periodically to update the School's theriogenology curriculum.

Is being a good teacher really worth all the effort it entails? Dr. Bierschwal feels it is.

School of Veterinary Medicine

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