



VETERINARY MEDICAL REVIEW

School of Veterinary Medicine, University of Missouri-Columbia



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Students Honored At Awards Banquet

Awards were given to 24 students in the School of Veterinary Medicine at the Honors Convocation Banquet sponsored by the UpJohn Company on May 6.

Departmental awards were presented to students for their interest and potential in the following basic science areas: Veterinary Anatomy, Dru Pippin; Veterinary Physiology, John James Tune; Veterinary Microbiology, Walter McNicholas; Veterinary Pathology, John McGruder; and the Kalish Memorial Award in Physiological Chemistry, Michael Klausner.

Awards given for proficiency in clinical skills were presented to: Ebert Memorial Awards for small animal, Keith Conklin; large animal, Grover Blair; Ebert Memorial Award for Equine Medicine, Richard Kester; Veterinary Medicine Magazine Award for small animal, Michael Klinger; large animal, Marcellus Markway Jr.; Hickory Hill Saddle Club Equine Award, Jerry Espey; and Columbia Kennel Club award for small animal surgery, Keith Conklin.

Scholastic awards were given to: Phi Zeta Award, John McGruder; Samson Memorial Award, Steve Holmstrom; Merck Awards, Joseph Derr and Larry Congdon; Groth Research Award, Larry Congdon; Pfizer Award, Cecil Moore; Curators Scholarship, Richard Kent and Sherry Clark.

Awards for service in the field were presented to: West Central Veterinary Medical Association Leadership Award, Samuel Adams; American Veterinary Medical Association Women's Auxiliary Award, Lee Volker; Humane Society Award, Joan Flynn; *Missouri Veterinarian* Service Award, Jim Bob Long; Senior



Dr. J. W. Kappenberger, left, president of Norden Laboratories Inc., presents Dr. C. J. Bierschwal with the Norden Distinguished Teacher Award and honorarium for excellence in teaching. Dean Kingrey enjoys watching the surprised "Dr. Busch."

Dr. Bierschwal Receives Distinguished Teacher Award

Dr. C. J. Bierschwal, professor of veterinary medicine and surgery, was chosen to receive the Norden Distinguished Teacher Award for the second time at the Honors Convocation Banquet May 6. He also received the award at the first Awards Night held in 1967.

In November 1970, Dr. Bierschwal received recognition as a Distinguished Faculty Member by the University of Missouri Alumni Association. He is nationally-recognized for his work in veter-

Case Report Award, James Simpson; Anastomosis Award, Ted Lock and Joan Stefanatos.

inary obstetrics and gynecology.

He holds a D.V.M. degree from Iowa State University and an M.S. from the University of Missouri. He spent three years in the U.S. Marine Corps and has been in the Army Reserve Veterinary Corps since 1950.

Dr. Bierschwal was in private practice in Excelsior Springs, Missouri, for a short time before coming to the University of Missouri in 1951 as an instructor.

He was on sabbatical in 1968-69 at the University of Utrecht, Utrecht, The Netherlands (Holland). He taught half-time and was involved in research half-time in the Obstetrics/Gynecology clinic.



Dr. and Mrs. John Schwada, at right, honored guests at the Honors Banquet, are greeted by Dean and Mrs. Kingrey. Dr. Schwada, former Chancellor of the Columbia campus, was presented with a framed grouping of sterling art medals of sculptured birds "in appreciation of excellence in University Administration from the faculty of the School of Veterinary Medicine."

Phi Zeta Initiates 26 New Members

Twenty students and four faculty members of the School of Veterinary Medicine were initiated into Phi Zeta, national professional veterinary medical honorary, Thursday, April 29.

Two honorary members were also initiated: Dr. Elmer Ellis, president emeritus of the University of Missouri; and Dr. Howard C. Hopps, curator professor of pathology at the University of Missouri.

The faculty members initiated included: Dr. L. A. Corwin, assistant professor of veterinary medicine and surgery; Dr. H. H. Berrier, associate professor of veterinary pathology; Dr. A. W. Hahn, professor of veterinary medicine and surgery; and Dr. Newell McArthur, assistant professor of veterinary anatomy.

Graduate students initiated were: Dr. W. H. Halliwell and Dr. Michel Morin.

Fourth year students were: Robert E. Barnett, Grover C. Blair, Forrest S. Byergo, Larry L. Dearking, Jerry R.

Espey, Charles L. Kessinger, Robert William Locke, Terry D. Maltz, Leslie A. Reed, Carroll Lee Tyner, Leland J. Volker, Gary Joe Whitsell.

Third year students were: Diane Marie Brune, Larry Lee Congdon, Gerald Gilbert Long, Forest Wayne Miller, Cecil Paul Moore, Linda Clare Votaw.

New officers for the coming year were introduced by Dr. Lawrence Morehouse, president of Pi Chapter. They are: Dr. Terrance M. Curtin, president; Dr. Edward Mather, vice president; and Dr. Arthur A. Case, secretary-treasurer.

Dr. Middleton Elected To Pathology Society

Dr. Charles C. Middleton, director of the Sinclair Comparative Medicine Research Farm and associate professor of veterinary pathology, was elected to the American Society for Experimental Pathology, one of the societies of the Federation of American Societies for Experimental Biology, at the annual business meeting April 14 in Chicago.

Dr. Middleton has been director of the Sinclair Farm since 1966. He received a B.S. and D.V.M. from the University of Missouri-Columbia and an M.S. from Michigan State University.

Dr. Brown Receives Alcoholic Study Grant

A grant of \$5,865 from the Licensed Beverage Industries Inc. has been awarded to Dr. Russell V. Brown, associate professor of veterinary pathology and research geneticist at the Sinclair Comparative Medicine Research Farm.

The grant will be used to continue a pilot study of alcoholism in miniature swine to determine the suitability of the swine in such studies where other laboratory animals have not been suitable for a number of reasons.

Because of the size of the miniature swine which is comparable to humans—from 80 to 140 pounds—and the similarity of the metabolic processes, they are used to great advantage to investigate human nutritional problems.

The aim of this project is to determine the suitability of the miniature swine for alcoholic studies. This is to be done by determining alcohol consumption patterns under several nutritional diets, if drunkenness and withdrawal symptoms occur; the effects on metabolism, blood, and damage to organs such as the liver; and what if any other biological changes occur.

Grant Awarded To Dr. Solorzano

Dr. Robert Solorzano, senior virologist, Veterinary Medical Diagnostic Laboratory and associate professor of veterinary microbiology, has received a \$4,000 unrestricted grant for study of the viricidal effectiveness of disinfectants against hog cholera.

The grant was awarded by Vestal Laboratories, Division of W. R. Grace and Company, St. Louis, Missouri.

Dr. Solorzano was instrumental in the development of a fluorescent antibody test for hog cholera several years ago.

He has worked in research and diagnostic virology at the Department of Veterinary Science, Pennsylvania State University, and the Diagnostic and Research Laboratories at the University of Georgia, Tifton. He came to the School of Veterinary Medicine in 1968.

Annual Conference Set

The 47th Annual Conference for Veterinarians, School of Veterinary Medicine, University of Missouri-Columbia, will be held October 31 and November 1.

Supplementary Fee Goes to \$75/Semester

An adjustment in the supplementary fee for students in the School of Veterinary Medicine at the Columbia campus was approved recently 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 on the segmented curriculum 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 School recently approved the new segmented curriculum which begins June 2. The final two years of study are divided into 12 two-month "blocks" of one subject each instead of the conventional semester system with students studying from four to seven subjects.

The supplementary fee structures in the veterinary school have remained unchanged through nearly two decades, despite increased costs of operation of professional schools.

Dr. Selby Listed In 13th Who's Who

Dr. Lloyd Arthur Selby, associate professor of veterinary microbiology, has been named to Who's Who in the Midwest. He has been on the University of Missouri faculty since 1967 and has appointments also as associate professor of community health and medical practice and as field epidemiologist of the Environmental Health Surveillance Center.

Dr. Selby received a B.S. in 1959 and a D.V.M. in 1961 from Colorado State University and an M.P.H. in 1964 and a Dr.P.H. in 1967 from Tulane.

He is a member of the Missouri and American Veterinary Medical Association, Missouri and American Public Health Association, Wildlife Disease Association, Royal Society of Health, Society for Epidemiologic Research, Sigma Xi, New York Academy of Science, American Board of Veterinary Public Health and the Downtown Optimists.

School Honors Dr. McDougle

Special recognition for years of service to the School of Veterinary Medicine went to Dr. H. C. McDougle along with two round-trip airplane tickets to the State of Washington and a bound volume of letters of appreciation from friends and alumni. The presentation was made at the Honors Convocation Banquet May 6.

Dr. McDougle is retiring this year after 41 years on the veterinary medicine faculty.

He received a B.S. in Agriculture with a major in poultry husbandry in 1928 and an A.M. in Agriculture with a major in poultry diseases in 1930, both from the University of Missouri. In 1946 he completed a D.V.M. at Michigan State University.

Dr. McDougle's first appointment was as a research assistant in the Department of Veterinary Science in the College of Agriculture in 1930. Since that appointment he has become professor in the Department of Microbiology in the School of Veterinary Medicine and served for many years as chairman of that department.

The Annual Meeting, District 7, American Association of Bovine Practitioners, will be held August 31-September 1, University of Missouri-Columbia.

Dr. McGinity Attends Inauguration at Fayette

Dr. J. T. McGinity, associate professor of veterinary medicine and surgery, represented Kansas State University at the inaugural of the President of Central Methodist College, Fayette, on April 26.

Dr. Anderson Visits UMC

Dr. Robert K. Anderson visited the UMC Schools of Medicine and Veterinary Medicine for a week, April 29-May 6. He is associate dean of academic affairs at the University of Minnesota College of Veterinary Medicine.

Dr. Anderson has been visiting learning centers in medical and veterinary medical schools throughout the United States while on a one-year sabbatical.



Associate Dean Shelton presented the McDougles with a flight bag, two tickets to the State of Washington for a vacation, and a supply of film for Dr. Mac's photography hobby.

Gamma Sigma Delta Honors Ben Ellis With Senior Award

Ben F. Ellis Jr. received the Gamma Sigma Delta Senior Award for Veterinary Medicine at the Spring Banquet May 7. He has an accumulated grade point average of 3.792.

He has received numerous awards in his college career since beginning in pre-veterinary medicine work in the College of Agriculture in 1965. Among those awards are the sophomore award for outstanding performance in anatomy and the Phi Zeta veterinary honor society scholarship award for the highest grade average in the School of Veterinary Medicine for the first three semesters.

In 1970 Ben received one of two national Lassie 4-H Veterinary Medicine educational scholarships for \$800 given by the Cooperative Extension Service and donated by the Wrather Corporation, owners and producers of the Lassie television series, and Campbell Soup Company, sponsor of the show.

He was recently named to Who's Who Among Students in American Universities and Colleges.

— About the Faculty —

Dr. Dudley Sisk, assistant professor of veterinary physiology and pharmacology, *Dr. Louis G. Tritschler*, assistant professor of veterinary medicine and surgery, and *Dr. Lloyd A. Selby*, associate professor of veterinary microbiology, attended a workshop at the University of Illinois Medical Center in Chicago entitled, "Instructional Skills for Medical Educator," March 21-26.

Dr. Dennis W. Duffield, assistant professor of veterinary anatomy, gave a seminar on "Pyramidal Influences on Thoracic Motoneurons in the Dog," at Purdue University March 30-April 1.

Dr. Charles E. Short, associate professor of veterinary medicine and surgery, conducted a workshop on "Inhalation Anesthesia in Small Animals, March 20-21 in Kansas City.

Dr. Newell H. McArthur, associate professor of veterinary anatomy, presented a seminar on "Ultrastructural changes in the ependymal cells, tanycytes, and pituicytes of the distal infundibulum in newborn and adult male rats following castration and treatment with cyproterone acetate," at Texas A & M, College Station, Texas, April 8-9.

Four members of the veterinary anatomy staff attended the American Association of Anatomists meeting April 19-22, in Philadelphia: *Dr. Esther Brown*, professor; *Dr. Robert C. McClure*, professor; *Dr. James E. Breazile*, chairman and

professor; and *Dr. Victor S. Cox Jr.*, assistant professor. *Dr. Cox* presented a paper, co-authored by *Dr. Breazile*, on "Bridging the gap between light and electron microscopy for neurocytological study." *Dr. McClure* and *Dr. W. S. Bivin*, former instructor in anatomy and Ph.D. graduate January 1971, presented two papers which they co-authored.

Dr. Donald C. Blenden, associate professor of microbiology, spoke to the spring meeting of the Southeast Missouri Veterinary Medical Association April 20-21 on "Current Developments on Rabies" in Poplar Bluff.

Dr. Raymond Loan, professor and chairman of microbiology, presented a research lecture to the Kansas State Chapter of Phi Zeta on April 19-20 in Manhattan. He also attended a meeting of the examinations committee of the American College of Veterinary Medicine.

Dr. Don Howard, research associate of veterinary medicine and surgery, gave an all-day seminar on "Ophthalmologic Surgery" to the Palaski County Veterinary Medical Association, Little Rock, Arkansas, April 24-25.

Dr. Raymond Loan, chairman and professor of veterinary microbiology, and *Dr. A. R. Allbritton*, research associate in veterinary microbiology, attended the annual meeting of the Federation of American Society for Experimental Biology, April 13-17 in Chicago.

Four members of the Department of Medicine and Surgery attended the American Animal Hospital Association meeting April 23-May 1 in Bal Harbour, Florida. *Dr. Charles E. Short*, associate professor, was a consultant for questions on anesthesia problems. *Dr. Larry M. Cornelius*, research associate presented a paper on "Water and Electrolyte Balance in Dogs with Diarrhea: The Value of Skeletal Muscle Biopsy." *Dr. H. E. Jensen*, research associate and chief of ophthalmology, presented two 3-hour seminars and an exhibit of 3-dimensional slides of ophthalmology in the scientific exhibits. *Dr. John D. Rhoades*, associate professor, also attended.

Dr. John Schmitz, research associate in veterinary pathology, attended the annual meeting of the Livestock Conservation, Inc. and presented current research efforts at the University of Missouri on streptococci lymphadenitis of swine, May 4-6 in Waterloo, Iowa.

Dr. Robert F. Solorzano, associate professor of microbiology, attended a meeting of the American Society for Microbiology, May 1-7 in Minneapolis. *Dr. T. H. Fub*, resident fellow in veterinary microbiology, gave a paper on "Biopsy Technique for the Early Clinical Diagnosis of Rabies," which was co-authored by *Dr. D. C. Blenden*. Also presenting a paper was *Dr. A. R. Dommert*, associate professor of veterinary microbiology, on "Bacteriocin Production by Cecal Anaerobes."

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