



# SCHOOL OF VETERINARY MEDICINE FACULTY NEWSLETTER

UNIVERSITY OF MISSOURI - COLUMBIA



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## Dr. Short to Head New ASVA

Dr. C. E. Short, assistant professor of veterinary medicine and surgery and chief of anesthesiology, has been elected first president of the newly formed American Society of Veterinary Anesthesiology. The Society was formed June 24, 1970, during the 107th annual American Veterinary Medical Association convention, June 22-26 in Las Vegas, Nev.

Objectives of the Society are to improve the teaching of veterinary anesthesiology; to assist practitioners through a more thorough understanding of their problems and needs and to encourage the availability of Society members for discussion, meetings and short courses in anesthesiology.

The Society will also encourage new knowledge through increased research and will cooperate with industrial concerns to develop new anesthetics and anesthetic equipment.

Preliminary work on the organization was begun in 1968 with representatives from schools of veterinary medicine, industry and interested practitioners participating in the final formation. Headed by Dr. Short, a committee is presently preparing an organizational structure according to the AVMA guidelines. The first scientific presentation of the Society is scheduled for the next AVMA convention.

Dr. Short received his D.V.M. degree from Auburn University in 1958, then entered a general practice in Kingston, Tenn. From 1962-65, he worked

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*Dr. C. E. Short discusses new developments in anesthetics with Dr. E. E. Burgess during last year's veterinary conference.*

### 46th Conference Set

*Remember! The 46th Annual Veterinary Conference is set for October 26-27.*

## Dr. Dommert Accepts Two Awards

\$50,000 has been awarded to Dr. A. Roland Dommert, associate professor of veterinary microbiology by the U. S. Department of Agriculture Research Service for two research projects.

\$30,000 will be used to further research on "Foot Rot in Cattle" which is in its fourth year. Dr. Dommert and his associates are attempting to characterize the causative agent of this disease which costs cattlemen many thousands

## \$27,449 Awarded To Dr. C.R. Short For Drug Study

The U. S. Public Health Service has recently awarded \$27,449 for the third year of research on "Drug Metabolism in the Newborn." The project is under the direction of Dr. C. R. Short, assistant professor of veterinary physiology and pharmacology.

The study is ultimately aimed at expanding knowledge of the pharmacology of the fetus and newborn by defining normal pre- and postnatal development of enzyme systems which metabolize drugs, miscellaneous foreign compounds, and certain normal constituents of the body that are deficient at birth. The pig was chosen as the experimental species for its many similarities to man.

The study is designed to determine the rates at which various components of these enzyme systems develop in the perinatal period. It will also determine whether the development of drug metabolizing systems is a function of gestational age or age after birth.

of dollars annually.

A study on "Anaplasmosis" is being continued under a \$20,000 award. Anaplasmosis appears only in cattle and produces a severe anemia by damaging the red blood cells.

Dr. Dommert's research will attempt to purify infectious agents from the blood of infected cattle, maintain the organisms in laboratory cultures and hopefully develop protective measures against the disease.



## Edgar F. Ebert, D.V.M.

Dr. Edgar F. Ebert, a nationally known equine practitioner and well-loved member of the School of Veterinary Medicine faculty, was killed in a tractor accident on his farm near Rocheport, June 29. Funeral services were held July 2, in Columbia with burial in Memorial Park Cemetery.

Dr. Ebert was born July 6, 1908 at Fort Collins, Colo., and received his D.V.M. degree from Colorado State University in 1931. In 1933, he married the former Hazel Christine Jenkins.

For fifteen years following his graduation, Dr. Ebert practiced veterinary medicine in the general Kansas City area, except for 1942-46 when he served in the U.S. Army Veterinary Corps as a major.

He joined the UMC faculty in 1950, as director of clinics, a position he held until 1956. A professor of veterinary medicine and surgery, Dr. Ebert also served as a former chairman of that department. In each capacity, he greatly improved clinical activities and services, especially in the area of equine medicine.

Dr. Ebert was a member of the American Veterinary Medical Association, the Missouri Veterinary Medical Association, Kansas Veterinary Medical Association, West Central Veterinary

Medical Association, the British Equine Veterinary Association, the American Veterinary Clinicians, Alpha Psi, Phi Zeta, Gamma Sigma Delta and the Cosmopolitan Club of Columbia.

In 1966, Dr. Ebert was named Missouri Veterinarian of the Year and in 1965, was recognized as Cosmo of the Year. He was named to Who's Who in America in 1951.

A memorial fund has been established in honor of Dr. Ebert and contributions may be sent to the University of Missouri-Columbia School of Veterinary Medicine in care of Dr. C. J. Bierschwal, Veterinary Hospital-Clinic.

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with the University of Tennessee Atomic Energy Commission Agriculture Research Laboratory at Oak Ridge, Tenn., in surgery, radiology, herd health and as a laboratory veterinarian.

In 1965, he was at Baylor University, Houston, Tex., as an NHI fellow in physiology; the following year he worked with the DeBaKey team on cardiac research as an anesthesiology specialist. Dr. Short joined the UMC faculty in 1967.

A well-known expert in the field of

## Dr. Moseley Selected For AAEV Position

COLUMBIA, MO.—Dr. Bonnard L. Moseley, assistant professor of veterinary pathology and veterinary extension specialist at the University of Missouri-Columbia School of Veterinary Medicine, has been elected Midwest Regional Director by the American Association of Extension Veterinarians.

The AAEV is concerned with bringing new ideas and knowledge to veterinarians and livestock and companion animal owners. Dr. Moseley's duties will include acting as liaison officer between the Midwest region and the AAEV. Several endeavors such as an educational resource pool and an exchange of audio-visual material on a national scale are planned.

After receiving his D.V.M. and B.S. degrees from the University of Missouri-Columbia in 1962, Dr. Moseley entered private practice for a year before returning to UMC as an instructor. He completed his M.S. degree in 1967.

His professional and honorary society memberships include the Missouri Veterinary Medical Association, the AVMA, the West Central Missouri VMA, the American Association of Extension Veterinarians, Phi Zeta and Gamma Sigma Delta.

anesthesiology, Dr. Short has given world-wide demonstrations in anesthesiology and was selected a speaker for the 18th World Veterinary Congress held in 1967.

His professional memberships include the AVMA, American Association of Equine Practitioners, the Missouri Anesthesia Society and the International Anesthesia in Research Society. He is also a corresponding member of the Society of Veterinary Anesthesiologists of Great Britain and Ireland.

## Dr. Larks Receives \$31,372 Contract

A population regulation mission aimed at a more effective means of fertility control has recently been contracted between the School of Veterinary Medicine and the Center for Population Research of the National Institute of Child Health. Headed by Dr. Saul D. Larks, professor of veterinary physiology and pharmacology, the \$31,372 research project will be conducted with animals with ultimate benefits for humans.

The multi-disciplinary grant will involve Dr. Earl J. Charlson, associate professor of electrical engineering, and

## Dr. P.N. Khanna Visits Schools

Dr. Pran Nabh Khanna, bacteriologist at the Indian Veterinary Research Institute, Izadnagar, UP province, India, recently visited the public health section of the School of Veterinary Medicine, June 15-19. He is on a World Health Organization fellowship to study this area at several schools of veterinary medicine.

Along with another Indian veterinarian, Dr. Khanna visited the University of California Davis School of Veterinary Medicine. From here he traveled to the University of Minnesota, Minneapolis. His associate was at the Auburn School of Veterinary Medicine, Alabama.

They are gathering information for a Master's degree program at the Indian Institute of Hygiene and Public Health, Calcutta. It caters to the needs of Southeast Asian countries mainly in the areas of zoonoses, food hygiene and epidemiology.

Dr. Khanna received his B.V.Sc. and a degree in animal husbandry from IVRI and his D.V.M. and Candidate of Science from the University of Budapest, Hungary. He returned to India in 1966 and has been working at IVRI with neurotropic viruses and poultry respiratory diseases.

Dr. Richard E. Hoffer, associate professor of veterinary medicine and surgery.

Specifically the research will be concerned with the female reproductive system and will measure the biological-electric activity of the oviduct in vivo.

Sensors will be placed on animal

oviducts to register the bio-electric signals that trigger muscle movements, and to register pressure changes. While the sensors initially will be connected by wire to registering instruments, ultimately the sensors will be implanted radio transmitters to allow more or less normal movement of the animals.



## Dr. Larks to Head Local IEEE Group

Dr. Saul D. Larks, professor of veterinary physiology and pharmacology, has recently been named organizer and interim chairman of the newly chartered chapter of Institute of Electrical and Electronic Engineers.

The chapter is part of the bio-engineering section of IEEE. Interested faculty from medicine, veterinary medicine, engineering and liberal arts are involved in the interdisciplinary organization.

A native of London, Dr. Larks joined the UMC School of Veterinary Medicine in 1966 with specialty areas in physiology of the fetus and birth processes, biophysics and bioengineering.

He received his A.A.Sc. in 1941 from DePaul University and his B.S. in electrical engineering from Massachusetts Institute of Technology in 1943. In 1951, he earned his M.S. at Northwestern University and in 1956, received his Ph.D. from the University

of California, Los Angeles.

Dr. Larks' professional organizations include the Biophysical Society, IEEE and the bioengineering group within that organization, the International Federation for Medical Electronics and Biological Engineering, the American Association for Advancement of Science and the Pan-American Medical Association. He is a member of the following honoraries: Tau Beta Pi, Phi Theta Kappa, Eta Kappa Nu and Sigma Xi.

## Congratulations!

*It's a girl! Dr. and Mrs. Glenn Frank have a happy new addition to their family, Julie Marie. The new arrival weighed in at 8 pounds, 2 ounces, June 6, to join another Frank daughter Pamela, 3.*

*Dr. Frank is a newly appointed research associate in the department of medicine and surgery.*

# —About the Faculty—

Presenting papers to the Canadian VMA, *Dr. C. E. Short*, assistant professor of veterinary medicine and surgery, was in Winnipeg, Manitoba June 27-31. His topics were "Comparisons of Equipment and Techniques for Administration of Halothane Anesthesia in Equines", "The Responses in the Horse to Respiratory Stimulants During and Following Anesthesia." "Respiratory Responses with Various Anesthetic Agents in Dogs", and "A Comparison of the Responses to Tranquilizers and Analgesic Agents in Dogs." June 28-July 2, he was in New York City for a conference of the N.Y.A.S. He presented "Drug Metabolism in Man."  
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*Dr. H.-D. Dellmann*, professor of veterinary anatomy and research associate at the Space Sciences Research Center, was at the University of California-Berkeley, June 26, to attend a seminar on "Reactive, Degenerative and Regenerative Phenomena in Neurosecretory Axons under Normal and Experimental Conditions."  
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*Dr. Roger E. Brown* associate professor of veterinary medicine and surgery, and *Dr. J. T. McGinity*, associate professor of veterinary medicine and surgery, were at Purdue University, July 30-31 at a multi-media workshop and conference sponsored by that institution.

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Presenting an illustrated discussion on "Neurological Examination of Animals", *Dr. J. E. Breazile*, professor and chairman of veterinary anatomy, was in Kansas City, June 18-19.  
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*Dr. M. E. Tumbleson*, associate professor of veterinary physiology and pharmacology and research associate at the Sinclair Farm, was in Minneapolis, Minn., during late June for the national annual conclave of Gamma Sigma Delta honorary.  
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*Dr. A. R. Allbritton*, research associate in veterinary microbiology, was in Buffalo, N. Y., June 20-27, for the Second

International Convocation for Immunology-Cellular Interaction in the Immune Response.  
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*Dr. H. H. Berrier*, associate professor of veterinary pathology, was in Las Vegas, Nev., June 21-25, at an Executive Board meeting of the American Society of Veterinary Clinical Pathologists of which he is secretary-treasurer.  
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Visiting Dellens Laboratories, Omaha, Neb., June 29-30, were *Dr. J. D. Rhoades*, assistant professor of veterinary medicine and surgery, and *Dr. W. E. Wingfield*, research associate in veterinary medicine and surgery.

## Dr. Blenden to Study Rabies

*Dr. D. C. Blenden*, associate professor of veterinary microbiology and of community health and medical practice, in cooperation with *Dr. Elmer Spurrier*, director of Missouri Division of Health Laboratories in Jefferson City is attempting to develop a simple and inexpensive test to monitor human response to rabies immunization under a \$9,000 grant from the Missouri Division of Health.

"The present test is lengthy and expensive," according to *Dr. Blenden*. "Man cannot be innoculated with a supposed correct amount of vaccine, then challenged with the rabies virus as animals are. A man is innoculated, then

his blood injected into laboratory mice which are then challenged with the virus." This process costs about \$35 per test. *Dr. Blenden* and *Dr. Spurrier* hope to develop a rabies antibody test that won't require mice, but rather may be conducted in laboratory glassware.

This test would have world-wide implications, especially for underdeveloped countries such as India where, it is estimated, there is a thousand times greater incidence of rabies than in the United States. If there was a less expensive and quicker test for rabies, *Dr. Blenden* continued, more research could be conducted on vaccine evaluation.

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