



SCHOOL OF VETERINARY MEDICINE FACULTY NEWSLETTER

UNIVERSITY OF MISSOURI - COLUMBIA

SEPTEMBER, 1968, NO. 14



New Title for Dr. Murphy

The new title of associate dean for research development was announced in July for Dr. Leslie C. Murphy, formerly director of research development. He has been with the School since August, 1964. Dr. Murphy was previously engaged in research in viral diseases, zoonoses, leptospirosis and diseases of laboratory animals. His current duties are in research administration.

Dr. Murphy is chairman of the University of Missouri Comparative Medicine Research Committee and the Laboratory Animal Welfare Committee, and the Columbia Laboratory Animal Welfare Committee, as well as the School of Veterinary Medicine Research Council. He is a member of the University Environmental Health Committee and of the Columbia Space Science Center Policy Committee.

His honors include Phi Sigma, Alpha Psi, Phi Zeta and Sigma Xi.

U. S. Public Health Service Awards 4 Fellowships

Four U.S. Public Health fellowships were recently awarded to research associates in the School for pursuing advanced degrees.

Dr. Henry W. Taylor of veterinary pathology is studying the Twiehaus virus (T-virus, Twiehaus leukosis virus) under the sponsorship of Dr. LeRoy D. Olson, associate professor of veterinary pathology. Dr. Taylor's grant is from the National Cancer Institute.

The Animal Resources Branch awarded the other three grants to Dr. Jay R. Bryan, Dr. Louis R. Nelson, both of veterinary medicine and surgery, and Dr. Norris D. Rohde of veterinary microbiology. Dr. Bryan's sponsor is Dr. Richard B. Wescott, associate professor of veterinary microbiology, and his research is concentrated on the gastrointestinal microflora of miniature swine.

Dr. Nelson is pursuing an advanced degree and his study is entitled "Pathogenesis of Benign Melanomas in Miniature Swine." Dr. Ronald E. Flatt, professor of veterinary pathology, is his sponsor.

Dr. Wescott is also directing the research activities of Dr. Norris D. Rohde. The title of his study is "Virus-Nematode Interactions."

New Faculty Members Arrive

With the return of undergraduate classes in the middle of September, new faculty members are arriving in early September to get acquainted with the School and its procedures. Six new people were on the scene around September 1st.

Dr. Harold J. Cooper, a 1963 graduate of the School of Veterinary Medicine here, will join veterinary physiology and pharmacology as an instructor. For the past five years he was in private practice in Pilot Grove, Mo. He was once mayor of Pilot Grove and belongs to the MVMA and Cooper County Human Development Committee.

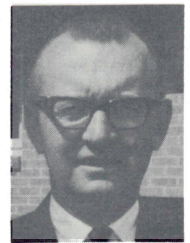
Dr. Louis A. Corwin, Jr. is a new assistant professor of veterinary medicine and surgery. He received his D.V.M. degree in 1952 from Colorado A. & M. College and his Ph.D. in 1968 from Colorado State University (same school with later name change).

From 1952-62, Dr. Corwin was a self-employed small animal practitioner in Jamaica, N. Y. He joined the Department of Radiology and Radiation Biology at Colorado State in 1962 and has been

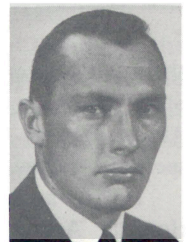
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Dr. Corwin



Dr. Kiger



Dr. Sprouse

Faculty Wife Dies Suddenly

Mrs. Marie A. Arnold, 31, died very suddenly of a heart attack August 12 while vacationing at the home of her parents in Manhattan, Kan.

She was the wife of Dr. Richard A. Arnold, research associate in veterinary anatomy, and the mother of Kent, 11; Steve, 8; Kelly, 6; and Craig, 5 months. Her immediate surviving family include parents, husband, children, three sisters and one brother.

The funeral was held on August 15 in Manhattan, Kan. and many faculty members and their families attended.

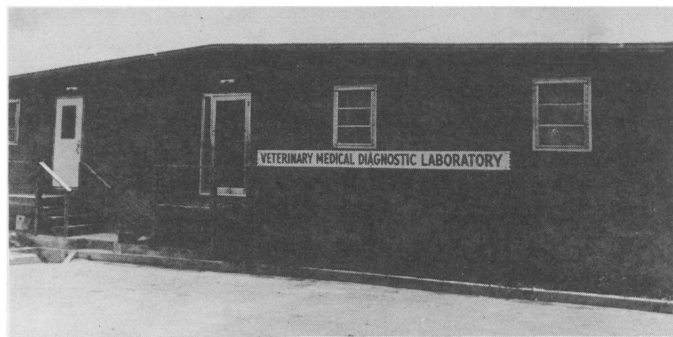
A trust fund for the Arnold children has been established and contributions can be mailed to Mrs. H. G. Holland, 305 Frederica, Columbia, Mo. or to the Columbia National Bank.

Diagnostic Work Organized Into Unit

Diagnostic work in the School has finally been centralized into a temporary, compact 3-trailer unit located behind the Veterinary Clinic on the southeast corner of the parking lot.

Not that diagnostic work is new to the School, but it has not been as formally organized as an administrative service unit until now. As stated in its annual report, the Veterinary Medical Diagnostic Laboratory was "organized last year in formal recognition of the needs and increased demands for diagnostic services by a wide variety of groups."

Despite the makeshift facilities, demands for diagnostic activity continued to increase during the past year as evidenced by the following statistics: 2,859 avian necropsies representing 646 flocks containing a total of more than 4 million birds; 2,435 mammalian necropsies and 460 surgicals and biopsies.



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there until his recent appointment at UMC. While at Colorado State he was an assistant research veterinarian on the Atomic Energy Commission. He was also a radiation health specialist fellow and an NIH post-doctoral research fellow.

He is a member of the AVMA, American Animal Hospital Assn., American Assn. for the Advancement of Science and Sigma Xi.

Joining veterinary pathology as a new research associate is *Dr. William H. Halliwell*. He was awarded a D.V.M. degree from Auburn University in 1964. He was a clinician at an animal hospital in Garner, N. C. from 1964-66 before joining the U. S. Air Force. He remained in the Air Force for two years.

His memberships include the AVMA, Alpha Psi and Omicron Delta Kappa.

Dr. Darrell G. Kiger will be a new research associate of veterinary medicine and surgery. He was awarded a D.V.M. degree from Kansas State University in 1951. He was engaged in a private practice in Nebraska from 1951-66.

Since 1966 he has been veterinary supervisor (Western) for the Nebraska Bureau of Animal Industry.

He is a member of the AVMA, and the Nebraska VMA. He was previously on the Advisory and Selection Committee for

Under the direction of Dr. Lawrence G. Morehouse, professor and acting chairman of veterinary pathology, the Laboratory is divided into three general sections which are completely staffed. The sections are: Avian pathology by Dr. Emmett L. McCune, assistant professor of veterinary microbiology, who is also senior bacteriologist for the Laboratory; Laboratory animal pathology by Dr. Billy E. Hooper, associate professor of veterinary pathology, whose prime responsibility is diagnosis and research in spontaneous diseases of research animals used in biomedical studies throughout the University of Missouri; and general mammalian pathology by Drs. Loren D. Kintner, professor of veterinary pathology and Stuart L. Nelson, associate professor of veterinary pathology. Clinical pathologic services to the Diagnostic Laboratory are provided by Drs. Donald A. Schmidt, professor of veterinary pathology, and Harry H. Berrier, associate professor of veterinary pathology.

Dr. Robert F. Solorzano, associate professor of veterinary microbiology, is the senior virologist of the Laboratory. Dr. Solorzano's earlier research was instrumental in the development of the fluorescent antibody test for hog cholera. He will continue to apply this technique in the diagnosis of other animal diseases.

Dr. Keith L. Kraner, director of laboratory animal medicine and professor of veterinary medicine and surgery,

the Nebraska School of Veterinary Medicine Laboratory Technicians.

Veterinary pathology will be increased by the appointment of *Dr. Nephi M. Patton*, research associate. He received his B.S. degree in 1958 and D.V.M. degree in 1962 from the University of California.

He was previously employed at an animal hospital in Yuba City, Calif. From 1963 to the present he had his own practice in San Leandro, Calif.

Dr. Patton belongs to the AVMA, California VMA, Alameda County VMA, Phi Zeta, Alpha Zeta and Phi Kappa Phi.

Dr. Ronald F. Sprouse will be assistant professor of veterinary microbiology and of microbiology. He received his B.S. degree in 1963 from Kansas State College, M.S. degree in 1966 and Ph.D. degree in 1967 from the University of Oklahoma.

From 1967 to the present he was chief of the Immunology Unit, National Communicable Disease Center, U.S.P.H. in Kansas City, Kan.

His memberships include the American Society for Microbiology, Medical Mycological Society of the Americas, Mycological Society of America, Sigma Xi and the International Society for Human and Animal Mycology.



Mrs. Carole Thomas records necessary information from a client while Dr. Morehouse asks questions.

also cooperates with the Laboratory along with Dr. Richard E. Doyle, assistant director of laboratory animal medicine and assistant professor of veterinary physiology and pharmacology, who visits all research animal colonies in the University. Problems involving diagnosis of disease in research animal colonies will be referred to Dr. Hooper.

Essentially the Laboratory is a non-charge operation except for a small fee for rabies examinations and selected clinical pathological procedures. Most of the groups using the services are veterinarians or their clients who represent livestock, poultry, wildlife, laboratory animal and companion

animal interests. The Laboratory also cooperates with the Office of the State Veterinarian and the veterinarians in charge of the Animal Health Division, U. S. D. A. in diagnostic laboratory support to regulatory programs. The case load involves about 1/4 to 1/3 companion animals and the rest food-producing animals with approximately 10% of the total accessions being research laboratory animal diagnoses last year. This is expected to grow rapidly with the addition of the laboratory animal component of the unit.

The Laboratory will naturally serve the needs of the Veterinary Clinic here because of its joint School personnel and geographic location. The post-mortem laboratory in the Clinic will continue to handle the large animal necropsies until a permanent diagnostic laboratory facility is constructed.

The Diagnostic Laboratory contributes significantly to teaching at both undergraduate and graduate levels. General and systematic pathology courses in the second year will rely heavily on the Laboratory for teaching personnel and pathologic specimens. During their clinic years, students will now be rotated through an avian and laboratory animal necropsy area in addition to the general mammalian pathology necropsy in the Clinic.

Graduate students majoring in veterinary or comparative pathology and those from other departments taking course work in advanced pathology will gain laboratory experience in this area. More than 28 students from 9 different departments were enrolled in graduate courses utilizing this laboratory last year.

The new graduate program in laboratory animal medicine will also involve the laboratory animal diagnostic area directed by Dr. Hooper. These graduate students will rotate through the laboratory as a part of their graduate experience.

A critical need still exists for a permanent facility for the Diagnostic Laboratory. Efforts are currently underway to acquire funds from various sources to build a permanent home for this Laboratory in order to provide better service to the veterinary profession and the clients they represent.



A histopathology laboratory has been moved to the Diagnostic Laboratory complete with experienced technician, Mrs. Maggie Biddle.



Live animals are kept in this animal room next to the avian necropsy area.

—About the Faculty—

Two faculty members conducted a two-week course on epidemiology of zoonosis at the Pan-American Health Assn., World Health Assn. Zoonosis Research Center in Buenos Aires, Argentina, South America.

The members are *Drs. Donald C. Blenden*, associate professor of veterinary microbiology and of community health and medical practice; and *William F. McCulloch*, director of veterinary medical continuing education, professor of veterinary microbiology and associate professor of community health and medical practice.

Dr. Charles E. Martin, assistant professor of veterinary medicine and surgery, talked on mastitis and other diseases at a pork production meeting of Audrain and Callaway Counties, August 14 in Auxvasse, Mo.

Dr. Harry H. Berrier, associate professor of veterinary pathology, was recently elected as secretary-treasurer of the American Society of Veterinary Clinical Pathologists.

Dr. James E. Breazile, professor of veterinary anatomy, presented a short course on "Veterinary Neurology" to the Central Indiana VMA September 10-13 in Indianapolis.

The titles of his subjects were "Basic Neurophysiology," "Neurologic Examination of the Dog," "Pediatric Neurology" and "Canine Disc Syndromes."

Dr. Edward C. Mather, instructor of veterinary medicine and surgery, contributed a paper at the annual meeting and symposium of the Society for the Study of Reproduction August 28-30 at Vanderbilt University School of Medicine, Nashville, Tenn. The paper on "Respiratory Studies of Bovine Endometrial Preparations" was co-authored by *Drs. Mather* and *Homer E. Dale*, professor of veterinary physiology and pharmacology.

Dr. John P. Hickcox, assistant professor of veterinary medicine and surgery, will talk on "Orthopedics" September 25-26 at a meeting of the Southeastern Missouri VMA in Festus.

Three faculty members of the School are among the authors of "Domesticated Farm Animals," a March, 1968 publication of the *Annals of the New York Academy of Sciences*, Vol. 147, Article 4, p. 129-204.

The authors are: *Dr. Richard E. Doyle*, assistant University director for laboratory animal medicine and assistant professor of veterinary physiology and pharmacology; *Dr. Solomon Garb*, professor of pharmacology; *Dr. Lloyd E. Davis*, associate professor of veterinary physiology and pharmacology, and of pharmacology; *Dr. Dallas K. Meyer*, professor of physiology; and *Dr. Frederick W. Clayton*, assistant professor of veterinary microbiology and of community health and medical practice, and deputy director of the U.S.P.H. Ecology Field Station.

Dr. Frederick W. Oehme, research associate in veterinary physiology and pharmacology, is the co-author of the book entitled "Plants Poisonous to Livestock" which was recently published in its 3rd edition. The other co-author is *Dr. L. C. Hulbert*, botanist at Kansas State University.

Mr. Ralph E. Bond, research assistant in veterinary pathology, attended a 2-week training program on "Biological Control of Vector Borne Diseases" August 5-17 in Alameda, California. The program was sponsored by the U. S. Navy Bureau of Medicine and Surgery.

New History Club Forming

Faculty members in the Medical Center are forming a new club or society on History of Medicine. The interest of the club will be broad including all health related sciences.

An exploratory and feasibility meeting will be held at 12 noon, September 23 in Room M-178, Medical Center. If you are interested in this new organization please contact *Dr. L. L. Eisenbrandt*, Department of Pharmacology, Room M-178, Medical Sciences.

School of Veterinary Medicine FACULTY NEWSLETTER

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Color settings	covers in 24 bit color; text in 8 bit grayscale
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