



# VETERINARY MEDICAL REVIEW

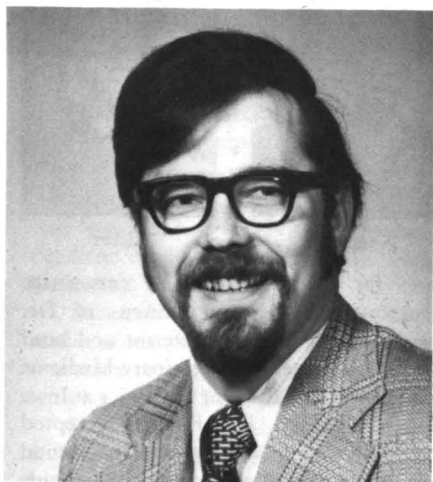
School of Veterinary Medicine  
University of Missouri-Columbia

April 1, 1974 No. 72

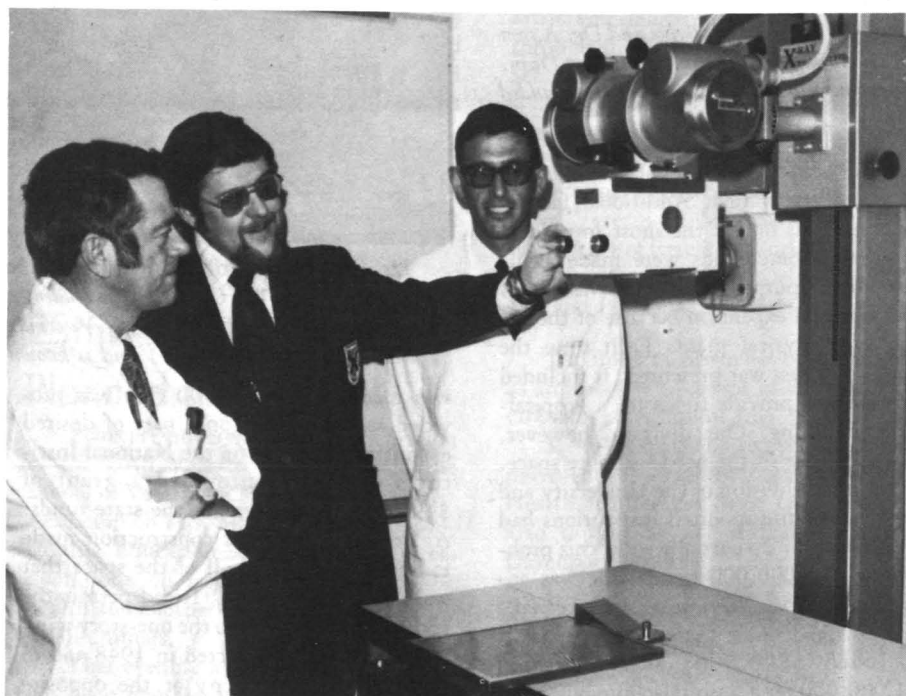
## Dr. Van Gelder Named Chairman

Chancellor Herbert Schooling has announced the appointment of Dr. Gary Van Gelder as chairman of the newly formed Department of Veterinary Anatomy-Physiology of the University of Missouri-Columbia School of Veterinary Medicine. He will begin his duties April 1.

Dr. Van Gelder is presently a professor of veterinary pathology in the Departments of Veterinary Diagnostic Laboratories and Biomedical Engineering at Iowa State University. He has been there since 1965 when he began as a research associate after receiving his D.V.M. He also received an M.S. in 1967 with a major in physiology and a minor in biomedical engineering and a Ph.D. in 1969 with a major in physiology and minors in toxicology and biomedical engineering from Iowa State University.



He is presently the senior investigator in the Behavioral Toxicology Laboratory



*The new radiograph machine is demonstrated by Mr. Neal Johnston, Johnston's Inc., to Dr. L. A. Corwin Jr., left, and Dr. Norman Ackerman.*

## Radiograph Machine Installed

A new radiograph machine has been given to the School of Veterinary Medicine on a consignment basis by the H. G. Fischer Co.

The machine will provide a second

and has been involved primarily in teaching and research in the Toxicology area. As an assistant professor he supervised behavioral toxicology experiments with sheep. He has also been involved in research on the biological effects of insecticides and the behavioral and neurological effects of lead. The most recent research has been on the behavioral and neuro-

unit for diagnostic radiography in the Small Animal Clinic.

Mr. Neal Johnston of Johnston's Inc., a distributor for H. G. Fischer, installed the unit which is valued at about \$9,000.

physiological effects of pesticides in sheep and monkeys. Because of his background in biomedical engineering, he has also worked on projects dealing with the use of computers in research. He is currently responsible for coordinating the research efforts in the behavioral, biomedical engineering and toxicology areas.

*(continued on page 4)*

# The School Expands & Grows

*The first Commencement was held June 5, 1950, for graduates of the new School of Veterinary Medicine. The 25th graduation will be held on May 11, 1974.*

*Each month in the last several issues of the VETERINARY MEDICAL REVIEW, an excerpt has been selected from the History of the School of Veterinary Medicine written by Dean Emeritus Aaron Groth.*

*In this issue we begin as the former Department of Veterinary Science becomes a School of Veterinary Medicine and Dr. Aaron W. Groth has been appointed its first Dean. Several new faculty members have been added also.*

The needs of the school continued to be many and varied. Additional faculty members was one of the most important needs and some funds were made available for this purpose. But there was a definite limit on expansion because of the inadequate physical plant. Each time the budget request was presented, it included a request to provide funds for a hospital-clinic building. Our division, however, was not alone in the need for more space. Every other division of the University and all of the state-supported institutions had similar needs. To partially solve this problem, a \$75,000,000 bond issue was approved in 1956. The University received a fair but inadequate share of the funds. It included \$800,000 of a requested \$1,000,000 for a hospital-clinic building. Most of the other University buildings were given priority and it was not until late in 1960 that bids were opened on our building. Construction costs had been rising steadily and all of the bids exceeded \$800,000. It was decided to exercise several options and proceed with construction, even though it would result in an unfinished building. Only the first floor could be used and while it lacked a great deal of being completed, it could be used and it was occupied in the fall of 1961. An additional appropriation was requested of the next General Assembly to permit completion of the building. The \$190,000 that was provided made this possible in the spring of 1964.

Funds had been regularly requested to remodel and add to Connaway Hall, but it was not until 1961 that an appropriation



*Dr. Paul Paquin (right), first veterinarian at the University of Missouri, spays a heifer with the assistance of J. W. Connaway, a student at the University, in 1888. Dr. Connaway later became the head of the Department of Veterinary Science in 1891 and the first veterinary science building was completed in 1911 and is known today as Connaway Hall.*

was made. The \$260,000 that was provided would permit only part of desired expansion and in 1963 the National Institutes of Health provided a grant of \$198,484 to supplement the state funds. Again, rising costs of construction made it impossible to add all of the space that was originally planned. It did permit the adding of two stories to the one-story wing that had been constructed in 1948 and to build a two story wing at the opposite end of Connaway Hall. It also provided for extensive changes of the original building. After construction had been completed on the two-story west wing, the University administration made sufficient money available to add a third story, but not to finish the interior. So, after graduating 14 classes in very inadequate facilities, it appeared that faculty and students could look to the future with more optimism.

Construction on the changes in Connaway Hall did not get under way until the fall of 1964, with most of it being completed in the late summer of 1965. However, the remodeling of the main building has been almost a continual process.

In the fall of 1963 Dr. Cecil Elder, chairman of the Department of Veterinary Pathology, reached the mandatory retirement age. He had been on the faculty

since 1931 and had contributed in many ways to the University and to the School of Veterinary Medicine, especially during its formative years. I had also reached the age at which I would be relieved of administrative responsibilities, although I would be permitted to continue as a member of the faculty. President Elmer Ellis appointed a committee of three members of our faculty to screen prospective candi-



**Kingrey**



**Elder**

dates for the position. The committee recommended the appointment of Dr. Burnell W. Kingrey, professor and head of the Department of Veterinary Medicine and Surgery and director of Clinics at Iowa State University. Dr. Kingrey accepted the appointment and became the second dean of the School of Veterinary Medicine on September 1, 1963.

## Canine Disc Research Receives 3-year Grant

A three-year research project is being initiated on "Studies on Canine Disc Disease," with the aid of a grant for \$6,000 per year from the Harry Freund Foundation to the School of Veterinary Medicine.

Dr. M. J. Bojrab, associate professor of veterinary medicine and surgery, is the investigator of the project. He hopes to improve the techniques of prognosing the outcome of animals that are paralyzed from a disc problem. There are many cases of paralysis each year especially among the dachshund breeds.

Dr. Bojrab says, "One of the methods which we would like to explore is the recording of evoke potentials from paralyzed animals in an attempt to assess the integrity of the spinal cord." This would provide a means of evaluating how much damage was done to the spinal cord in a paralyzed dog.

Dr. Bojrab completed a Ph.D. in Spinal Biomechanics at the University of Bristol, England, and has a D.V.M. from Purdue University and an M.S. from Oklahoma State University in physiology.

## Avian Leukosis Funds Received

A renewal has been granted for a study on "Cell Mediated Immunity in Avian Leukosis" from the Public Health Service to the School of Veterinary Medicine.

The \$26,857 grant is for the third year of the study which has been directed by Dr. Raymond Loan, professor and chairman of veterinary microbiology. This past year he was assisted by Dr. Ahmed Radwan and will be assisted this year by Dr. Miodrag Jovanovic.

While the study attempts to identify and measure the cell-mediated immune response in avian leukosis, a cancerous disease found in poultry, it also provides an excellent model for the study of human leukemia.

Researchers suspect that a type of cell-mediated immune response is important in resistance to cancer and think that small lymphocytes are involved in this process.

Dr. Loan is also directing a research study on "Immunologic Aspects of Avian Leukosis," which is sponsored by the Public Health Service.

## Three New Faculty Named

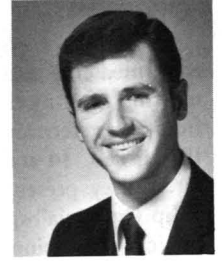
Dr. Gary Osweiler has been appointed associate professor of veterinary anatomy-physiology in the School of Veterinary Medicine.

Dr. Osweiler is presently associate professor of veterinary pathology at Iowa State University. He received a D.V.M. in 1966, an M.S. in 1968 and a Ph.D. in 1973 from ISU. He joined the staff of the Iowa Veterinary Diagnostic Laboratory in 1966. In 1967 he joined the ISU Small Animal Clinic in the area of internal medicine and clinical toxicology and in 1968 he became a member of the ISU Field Services in large animal medicine and toxicology. In 1969 he was named to his present position.

His responsibilities in Missouri will be primarily in toxicology. He will cross departmental lines to work with all the



Corwin



Osweiler

faculty on toxicologic problems and will assist veterinarians throughout the state through the Diagnostic Laboratory of the School of Veterinary Medicine.

Dr. Osweiler is a diplomate in the American Board of Veterinary Toxicology and is a member of the American College of Veterinary Toxicologists, American and Iowa Veterinary Medical Associations, Conference of Research Workers in Animal Diseases, Gamma Sigma Delta, Phi Kappa Phi and Phi Zeta.

Dr. Robert Corwin has been appointed as an associate professor of veterinary microbiology beginning July 1.

He is presently on the staff of the Department of Microbiology and Public Health at Michigan State University. He also taught at St. Ambrose College, Davenport, Iowa.

Dr. Corwin received a B.A. from St. Ambrose College, a M.S. and Ph.D. from the University of Georgia and a D.V.M. from Michigan State University.

Dr. Corwin is a member of the American Society of Tropical Medicine and Hygiene, American Society of Parasitology, American Veterinary Medical Association, American Association of Veterinary Parasitologists and Sigma Xi.

Dr. James Roger Easley has been appointed as a research associate in veterinary pathology and is also on the staff of the Dalton Research Center.

He has operated a veterinary practice in Black Mountain, N. C., the past year and was a veterinary officer in the Air Force for three years previous.

Dr. Easley received a D.V.M. from Auburn University and attended Tennessee Technological Institute and Tulane Medical School. He served as a post-doctoral fellow in Laboratory Animal Medicine at Tulane.

## 25th Activities Planned for May 11

Plans are underway for the celebration of the 25th class to graduate from the School of Veterinary Medicine. The activities begin on Fri., May 10, with two Continuing Education Seminars in the afternoon, one on large animals and public health and another on a topic dealing with small animals.

That evening a special Get-To-Gether has been planned for alumni and friends with a surprise program.

The Precommencement Exercise will begin at 9:30 Sat., May 11 in the Hearn Multipurpose Auditorium. Dr. Jack Quinn, AVMA president, plans to attend along with Dean Emeritus Aaron Groth and former Dean B. W. Kingrey. Dr. A. J. Durant, chairman of the Department of Veterinary Science when the School was formed, also plans to attend along with several professors emeritus.

Invitations have been sent also to all of the members of the first graduating class and they will be recognized at the Precommencement.

All other alumni, Missouri veterinarians, friends and spouses are invited to attend the activities. Because of the many events in Columbia, hotel reservations should be made as soon as possible.

# Faculty Notes

*Dr. E. A. Corley*, chairman of veterinary medicine and surgery, attended a meeting of clinical department chairmen from all veterinary schools in Chicago, Ill. on Feb. 14 and 15. On March 9-10, Dr. Corley presented a seminar entitled "Hip Dysplasia" sponsored by the Orthopedic Foundation for Animals at the Detroit Show in Detroit, Mich.

*Dr. Charles E. Martin*, professor of veterinary medicine and surgery, was chairman of Workshop #1 - "Swine Health Management" at the annual meeting of the American Association of Swine Practitioners. He also participated in and attended the American Pork Congress. The meeting was held in Des Moines, Ia. on March 4-6.

*Dr. Lawrence G. Morehouse*, director of the Veterinary Medical Diagnostic Laboratory, accompanied architects to a Lexington, Ky., Diagnostic Laboratory for a review of the incinerator installation in February. On Feb. 19-21, Dr. Morehouse served as Laboratory Consultant to the Regional Emergency Animal Disease Eradication Organization of the U. S. Department of Agriculture. Dr. Morehouse also served as American Association of Veterinary Laboratory Diagnosticians consultant to the Oregon State University Diagnostic Laboratory at Cowallis, Oregon. He presided as Chairman of the Accreditation Board of the American Association of Veterinary Laboratory Diagnosticians at their regional meeting in Las Vegas.

*Dr. Kenneth D. Weide*, dean of the School of Veterinary Medicine, attended and participated in the 1974 meeting of the Intermountain Veterinary Medical Association held in Las Vegas, March 2-8.

*Dr. John D. Rboades*, associate professor of veterinary medicine and surgery, attended the International Heartworm Symposium in Auburn, Ala., March 15-17.

*Dr. C. Richard Dorn*, associate professor of veterinary microbiology, was in Higginsville, Mo., on March 20 to provide field instruction in investigation of an epidemic.

*Dr. Clarence J. Bierschwal*, professor of veterinary medicine and surgery, presented a paper entitled "The Future of Theriogenology in Bovine Practice" at the Iowa Veterinary Medical Association and Bovine Practitioners Meeting at Des Moines, Ia., on March 21. On March 26-27, Dr. Bierschwal presented a seminar entitled "Breeding Soundness Examination of the Bull" at the Minnesota Extension Post Graduate Short Course, University of Minnesota, St. Paul, Minnesota.

*Dr. Dwight R. Owens*, research associate, veterinary medical diagnostic laboratory, attended the branch meeting of American Association of Laboratory Animal Science and presented a paper entitled: "Pseudomonas aeruginosa Dermatitis in Rabbits," March 15-16.

## Van Gelder, Con't.

Dr. Kenneth D. Weide, Dean of Veterinary Medicine, says "We are extremely fortunate to attract a young man of Dr. Van Gelder's caliber to the University of Missouri. His expertise in research, teaching and service will strengthen all programs of the School of Veterinary Medicine."

Dr. Van Gelder is a diplomate in the American Board of Veterinary Toxicology and is a member of Phi Zeta, Alpha Zeta, Gamma Sigma Delta, Phi Kappa Phi, Sigma Xi, American and Iowa Veterinary Medical Associations, American Association for Advancement of Science and the Society of Toxicology. He received the Guy Graham Award for Proficiency in Clinical Veterinary Medicine and was named Outstanding Young Religious Leader by the Iowa Jaycees in 1971 and Outstanding Young Alumnus by the Iowa State University Alumni Association in 1973.

While at Iowa State University, Dr. Van Gelder has served on the University Faculty Council and was chairman of the Faculty and Administration Relations Committee. He has served on the University Environmentology Council, the Veterinary Medical Curriculum Committee, University Graduate Research Advisory Council, Graduate Studies Committee and was chairman of the Veterinary Medicine Research Advisory Committee.

## School of Veterinary Medicine VETERINARY MEDICAL REVIEW

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Columbia, Missouri 65201



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