

School of Veterinary Medicine FACULTY NEWS

June, 1967 - No. 4

Precommencement Program Held

Another "first" for the School in 1967 was the Precommencement Program held June 6 in the Veterinary Hospital-Clinic auditorium.

This program contributed to the ceremonial spirit in the graduate's special day. Conveniently held at 2 p.m., the program required the candidates to don caps and gowns. As a group they repeated the Veterinarian's Oath and individually they received their hoods and membership certificates for the AVMA.



Academic Procession

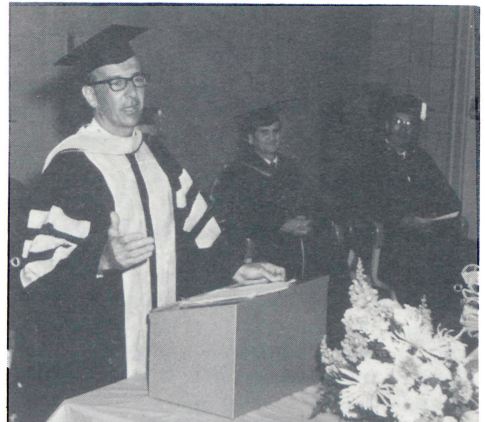
Those participating in the program were: Dr. Thomas R. ShROUT, dean of the Missouri School of Religion; Dean B. W. Kingrey; Dr. John Schwada, chancellor of the Columbia campus; Dr. James McKitterick, president of the MVMA; Dr. George C. Shelton, associate dean of the School; and Dr. Mark P. Rines, professor & chairman of veterinary medicine & surgery.

Also on the platform were: Drs. L. G. Morehouse, professor & chairman of veterinary pathology; H. E. Dale, professor &



Chancellor Schwada
chairman of veterinary physiology & pharmacology; and R. C. McClure, professor & chairman of veterinary anatomy.

A reception was held in Room 217 after the ceremony. This event proved to be successful in providing the families of the graduates with the opportunity to meet some of the faculty.



Dr. McKitterick

W e l c o m e A b o a r d



Dr. Flatt

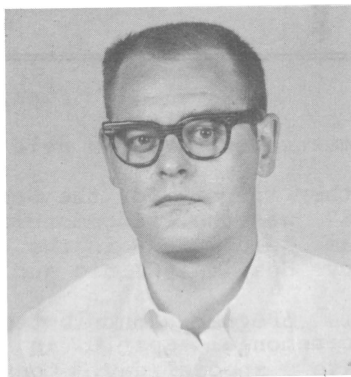
Dr. Ronald E. Flatt will add to the roster of names in veterinary pathology as assistant professor. He will be part of the anatomical pathology laboratory at Sinclair Research Farm. He is coming here from the University of California at Davis where he received B.S., D.V.M. and Ph.D. degrees. Having served two years at the Armed Forces Institute of Pathology in Washington, Dr. Flatt did his Ph.D. work in comparative pathology with special training in laboratory animal medicine. The Flatts have four children stair-stepping at ages 6, 4, 3 and 1.



Dr. Schmidt

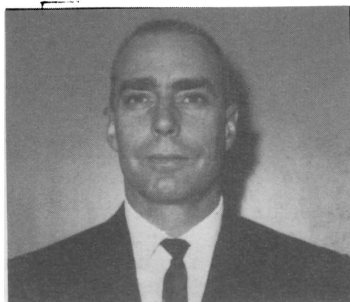
Another new member of veterinary pathology is Dr. Donald A. Schmidt, professor. Dr. Schmidt holds a B.S. degree from the University of Wisconsin, an M.S. from the University of Minnesota and D.V.M. and Ph.D. degrees from Michigan State University. Dr. Schmidt was selected as the outstanding teacher in the College of Veterinary Medicine, Michigan

State in 1963. He has also done work at Mayo Clinic and is a diplomate of the American College of Veterinary Pathologists. Dr. & Mrs. Schmidt have three daughters aged 14, 11 and 7.



Dr. Taylor

Dr. Henry W. Taylor has been with the School for about a month now as research associate in veterinary pathology. A bachelor from the South, Dr. Taylor holds a D.V.M. degree from Auburn University in Alabama. Presently he is working with Drs. L. D. Kintner, professor and S. L. Nelson, associate professor, both of veterinary pathology.



Dr. Wolff

Dr. William A. Wolff joins us as assistant professor of veterinary medicine & surgery. Formerly on the staff of Texas A & M University, Dr. Wolff has D.V.M. and M.S. degrees from Colorado State University where he spent a year in the specialized surgical laboratory. With six years of private practice he will effectively teach in t

Large Animal Clinic. Dr. Wolff is a member of Phi Zeta and was president of the Western Colorado VMA. The two Wolff "cubs" are 3 years and 16 months.

Dr. Joel D. Wallach has been appointed research associate in veterinary pathology. His appointment is on a consultant basis with the Sinclair Research Farm. Residing in St. Louis, he will remain Director of Research at the St. Louis Zoological Park.

New Appointment for Dr. Moseley

Dr. Bonnard L. Moseley will assist Dr. Terence M. Curtin full-time as extension specialist in veterinary medical continuing education. His new academic appointment is assistant professor of veterinary pathology. Holding B.S. and D.V.M. degrees from the University of Missouri, Dr. Moseley just received his M.S. degree from here.

Grants Awarded

A grant of \$2,500 has just been awarded to the University School of Veterinary Medicine for "Field Trial with SK & F 29044 in Swine" by the Smith Kline and French Laboratories.

The grant is under the direction of Dr. Richard B. Wescott, associate professor of veterinary microbiology. Dr. Wescott's research for one year will be to determine the effectiveness of a compound in treatment of helminth infections in swine.

Dr. Horst-Dieter Dellmann, professor of veterinary anatomy, will continue his second year of research in "Fine Structure and Hormones of the Neurohypophysis" with a \$13,468 grant from the U. S. Public Health Service.

The project is designed to obtain further information on the possible site of formation of the neurosecretory granules and their relation to hormone synthesis in the hypothalmo-neurohypophysial system of grasshoppers.

Speakers' Platform

Dr. Frederick W. Clayton, deputy director of the Ecology Field & Training Station of the USPHS and assistant professor of veterinary microbiology, took part in a three-day communications workshop June 19-21 at Northeast Missouri State Teachers College in Kirksville.

The workshop was for people in the field of health education. Dr. Clayton demonstrated three teaching devices: electronic blackboard by wire, video tape and single concept films before college-level teachers.

Dr. Donald E. Weinman, associate professor of veterinary physiology & pharmacology, spoke on "Interrelation of Nutrition and Diseases" June 7 at the Memorial Student Union. Dr. Weinman was a participant in the three-day Dairy and Livestock Seminar held June 6-8. The seminar was sponsored by the University of Missouri Cooperative Extension Service.

Dr. B.W. Kingrey, dean, talked on "Practitioner Population and Educational Trends" June 22 at the annual meeting of the Nebraska State Veterinary Medical Assn. in Omaha, Neb.

World Health Consultant Spoke

Dr. E.H. Kampelmacher, a consultant to the World Health Organization, presented a seminar on "Public Health Aspects of Episomal Antibiotic Resistance in Salmonella" June 9 in Connaway Hall.

Dr. Kampelmacher is also director of the Laboratory for Zoonosis, National Institute of Public Health, Utrecht, Netherlands. Dr. D.C. Blenden, associate professor of veterinary microbiology and director of veterinary public health, was partly responsible for Dr. Kampelmacher's visit here.

Faculty Participates in AVMA Convention

Convention time is here again. The 104th annual meeting of the AVMA will be held from July 9-13 in Dallas, Tex.

Many faculty members of the School will be participating in the AVMA's program or allied group conferences and meetings. Some of these participants are listed in chronological order below:

Dr. Thomas M. Eagle, associate professor of veterinary medicine & surgery, is an AVMA executive board member with his term of office expiring in 1970. He will attend the executive board meetings July 5-6.

Drs. A. A. Case, professor of veterinary medicine & surgery, and J. T. McGinity, associate professor of veterinary medicine & surgery, will attend the meeting of the American Association of Veterinary Clinicians July 8 in College Station, Tex.

Dr. Case will also help with the American Veterinary Radiology Workshop July 9-14 and participate in the Chemical Nominating Committee of National Phi Zeta and the Chemical Revision Committee of the American Veterinary Toxicologists.

Dr. George C. Shelton, associate dean and professor & chairman of veterinary microbiology, will preside at the July 9th meeting of the American Association of Veterinary Parasitologists of which he is the president.

Dr. Richard B. Wescott, associate professor of veterinary microbiology, will present a paper on "Effect of Ethylene Oxide upon the Infectivity of Sporulated Oocysts of *Eimeria tenella*" on July 9.

Dr. H. H. Berrier, associate professor of veterinary pathology, will present a paper on "T-3 Method Diagnosing Thyroid Function" July 9 at the Scientific program of the American Society of Veterinary Clinical Pathologists. He will also participate in the idea clinic on "Quickie Methods" and preside at the business luncheon. He is

president and chairman of the ASVCP's executive board.

Dr. L. C. Murphy, director of research development, will meet July 9 with the examinations committee for the American Board of Veterinary Public Health. He will help examine potential diplomates for the Board.

Drs. W. O. Cowart, instructor in veterinary pathology, and L. G. Morehouse, professor & chairman of veterinary pathology, will present a paper on "Effects of Attenuated Hog Cholera Virus in Pregnant Swine at Various Stages of Gestation" at the AVMA's section on regulatory veterinary medicine July 10.

Dr. R. C. McClure, professor & chairman of veterinary anatomy, will present a membership committee report and nomenclature committee report at the July 10th meeting of the American Association of Veterinary Anatomists. He will also be installed as the new president of the organization.

Drs. LeRoy Olson, associate professor of veterinary pathology, and Emmett L. McCune, assistant professor of veterinary microbiology, will present a paper on "Experimental Production of the Cranial Form of Fowl Cholera in Turkeys" at the AVMA's section on poultry July 11.

Dr. Charles E. Martin, assistant professor of veterinary medicine & surgery, will present a paper on "A Clinical and Pathologic Study of the Mastitis-Metritis-Agalactia Syndrome of Sows" at the third session on large animals July 11.

Dr. Wescott will also present a case report on "Ethylene Oxide Toxicity in Chickens" July 11 at the meeting of the American College of Laboratory Animal Medicine.

Dr. James E. Breazile, associate professor of veterinary anatomy, will participate in a symposium on "Paresis in Cattle" July 12 at the section on large animals. His subject is "The Role of Cations in Neuromuscular Functions."

Drs. A. R. Dommert, associate professor of veterinary microbiology, M. E. Tumbleson, assistant professor of veterinary physiology & pharmacology, and A. C. Strafuss, associate professor of veterinary pathology, will present a paper on "Hematologic and Biochemical Values in Miniature Swine with Melanomas" July 12 at the section on research.

Drs. Donald C. Blendon, associate professor of veterinary microbiology, and F.T. Szatalowicz, research associate in veterinary microbiology, will present a paper on "Ecologic Aspects of Listeriosis" at the section on public health July 12.

Dr. Frederick W. Oehme, instructor in veterinary pathology, will present a paper on "Locoweed Toxicity in Horses" July 13 at the technical and business session of the American College of Veterinary Toxicologists.

Papers Published

There were three papers published in the May, 1967 issue of the *American Journal of Veterinary Research*.

Dr. Bruce D. Rosenquist, research associate in veterinary microbiology, is primary author and Dr. Raymond W. Loan, associate professor of veterinary microbiology, is co-author of "Interferon Production with Strain SF-4 Parainfluenza-3 Virus."

Dr. H. E. Dale, professor & chairman of veterinary physiology & pharmacology, is co-author of "Effects of Ruminal Insufflation on Renal Function of Conscious Goats and Calves."

Dr. Albert C. Strafuss, associate professor of veterinary pathology, is primary author of "Hematologic Changes and Clinical Signs of Trichinosis in Pigs."

Dr. F. W. Oehme, instructor in veterinary physiology & pharmacology, is author of "Toxicology in European Veterinary Colleges" published in the July, 1965 issue of *Proceedings of the American College of Veterinary Toxicologists*. The publication is just recently circulated.



Dr. Murphy Appointed to National Advisory Committee

Dr. Leslie C. Murphy, director of research development, has just been appointed as a special consultant to serve on the Animal Resources Advisory Committee of NIH by the Surgeon General of the Public Health Service. His term of office will be from July, 1967 to June, 1971.

Members of the committee provide technical advice on matters relating to the research and research training problems of the nation. The prime objectives of the Animal Resources program are to plan, implement and establish a national effort to provide animals of the kind and in quantities needed for all branches of specialized medical research.

Dr. Murphy has been at the University of Missouri since 1964. With a B.S. degree from the University of Idaho and a D.V.M. degree from Washington State University, Dr. Murphy was in the U.S. Army Veterinary Corps from 1940-64. His assignments included diagnostic microbiology, research and administration at Walter Reed Institute of Research at Ft. Detrick and NIH.

He is a member of the AVMA, the Missouri VMA, New York Academy of Science, Conference Research Workers in Animal Disease, Conference of Public Health Veterinarians, American Association for Laboratory Animal Science, U.S. Livestock Sanitary Assn. & the American Board of Veterinary Public Health. His honors include Phi Sigma, Alpha Psi, and Phi Zeta.

Bon Voyage!

The World Veterinary Congress will be held July 17-22 in Paris this year. A few of our faculty members have made arrangements to attend this meeting.

Dr. H.-D. Dellmann, professor of veterinary anatomy, is on a lecture tour in Europe. He is presenting two papers at the World Congress. They are: "New Developments in Physiology of the Nervous System" and "Changes in the Structure and Function of the Neurosecretory Hypothalamo-Neurohypophysial System in the Distal Stump of the Transected Proximal Neurohypophysis of the Grass Frog (*Rana Pipiens*)."

Dr. R. C. McClure, professor & chairman of veterinary anatomy, will attend both the World Veterinary Congress and the meetings of the World Association of Veterinary Anatomists. As a chairman of two sub-committees of the International Veterinary Anatomy Nomenclature Commission, he will present two reports and participate in their deliberations.

Dr. R.W. Loan, associate professor of veterinary microbiology, will present a paper on "Tissue Culture Propagated Inactivated Hog Cholera Vaccine" at the World Congress.

Two papers written by Dr. F.W. Oehme, instructor in veterinary physiology & pharmacology, are going to be presented at the World Congress. They are: "Studies on the Factors Influencing the Elimination of Chlorinated Hydrocarbon Insecticides in Dairy Cows" and "Cytology of the Peritoneal Cavity and its Application in Large Animal Diagnosis."

Dr. Charles E. Short, research associate in veterinary medicine & surgery also plans to attend the World Congress.

Some are combining the trip into a European vacation. Drs. D. E. Weinman, associate professor of veterinary physiology & pharmacology, and J. E. English, associate professor of veterinary medicine & surgery, along with their families left for

Europe June 19. They will return in August. Among the places they will visit are: Iceland, Luxemburg, Switzerland, London, Scotland, Paris, Brussels, Holland and Germany. They plan to visit various veterinary medical schools, veterinary medical institutions and meetings of the Society for Study of Fertility and the World Congress.

Dr. S.D. Larks, professor of veterinary physiology & pharmacology, will serve as chairman of a scientific session within the area of biomathematics at the 7th International Conference on Medical and Biological Engineering August 14-17 in Stockholm, Sweden.

In Attendance

Dr. Bruce D. Rosenquist, research associate in veterinary microbiology, attended a meeting on "Immunity to the Bovine Respiratory Disease Complex" June 15-26 in Athens, Ga.

Dr. L. G. Morehouse, professor & chairman of veterinary pathology, attended the 29th annual conference for Kansas Veterinarians from June 5-6 in Manhattan, Kan.

Dr. C. C. Middleton, director of the Sinclair Farm, visited the Bowman-Gray Medical School June 26-July 1 in Winston-Salem, N.C. He consulted with the Medical School on publications and special equipment for Sinclair Farm.

Dr. Frederick W. Oehme, instructor in veterinary physiology & pharmacology, will attend a training course in Gas Chromatography August 2-4 in Bridgeton, Mo.

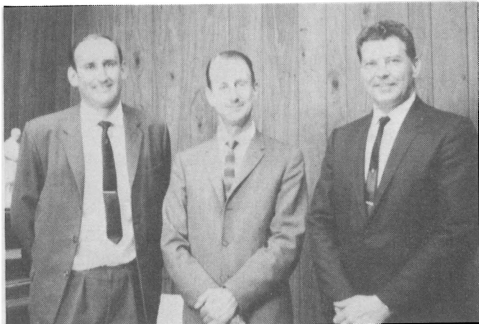
Dr. Raymond W. Loan, associate professor of veterinary microbiology, studied a method for the invitro detection of leukemia viruses June 3-11 in the laboratory of Dr. Roy Luginbuhl at the University of Connecticut Storrs, Conn.

South African Dean Visits School

A distinguished visitor from South Africa recently visited the School of Veterinary Medicine and its major research facilities.

Dr. B. C. Jansen (pronounced Yan'sen) was officially touring selected research institutes and veterinary schools in the U. S. and Canada this past month. Dr. Jansen is Director of the Veterinary Research Institute at Onderstepoort, South Africa and Dean of the Faculty of Veterinary Science at the University of Pretoria.

Among the places on his crowded itinerary were: National Institutes of Health, Walter Reed Hospital, Armed Forces Institute of Pathology, University of Pennsylvania, Ontario Veterinary College at the University of Guelph in Canada, University of California at Davis, Iowa State University and National Animal Disease Laboratory at Ames, University of Missouri, New York State Veterinary College of Cornell University at Ithaca, and Infectious Disease Laboratory at Plum Island.



Left to right: Dr. Jenkins, Dr. Jansen and Dean Kingrey.

His impression of the University of Missouri was "the training appeared to be sound and the School was certainly growing." Dr. Jansen spent some time with Dean Kingrey and each of the department heads and toured the School of Veterinary Medicine, the School of Medicine, the Nuclear Reactor, Veterinary Medi-

cal Research Farm, Sinclair Farm and other research facilities. Dr. Jansen holds B.V.Sc., D.V.Sc. and D.Sc. degrees which are equivalent to a D.V.M. and two Ph.D. degrees. His major research interest is in enterotoxemia in sheep.

An ex-officio editor of the *Onderstepoort Journal*, Dr. Jansen became director of the Research Institute in 1960 and Dean of the Faculty of Veterinary Science in 1963.

An associate of Dr. Jansen is presently a member of our faculty. Dr. W. L. Jenkins, graduate assistant in veterinary physiology & pharmacology, is on official study leave for three years from the University of Pretoria where he is still listed as a senior lecturer in the Department of Medicine. With a B.V.Sc. degree from the University of Pretoria, Dr. Jenkins is just completing his master's degree for work in "Sulfonamide Effects on Rumen Function." He will then start on his doctor's work entitled "Drug Absorption from the Rumen."

Dr. & Mrs. Jenkins came here with their three daughters aged 5, 3 and 1 in August, 1966 and will stay until June, 1969 when they will return to South Africa.

Miniature Swine Herd Receives Recognition

A recent article in the May, 1967 issue of *Business Week* brought a small ray of fame to the University of Missouri by mentioning its connection with the University of Minnesota Hormel miniature swine herd.

The connection links are Dr. Almut E. Detters, chief associate to Dr. William E. Rempel who is director of the Minnesota project; and Dr. M.E. Tumbleson, assistant professor of veterinary physiology & pharmacology here. A graduate of the University of Minnesota, Dr. Tumbleson helped to establish the herd at Missouri University. Presently there are about 150 miniature

pigs with an anticipated number of 1000 to be maintained at the Sinclair Farm under the direction of Dr. C. C. Middleton.

A first in these Hormel miniatures is the reported discovery of melanotic tumors in 11 of the miniature swine at Sinclair Farm. These melanoma investigations are headed by Dr. A. R. Dommert, associate professor of veterinary microbiology, with the help of Drs. A. C. Strafuss and C. C. Middleton, associate professors

of veterinary pathology, and Dr. Tumbleson.

Drs. Dommert and Tumbleson visited the Hormel Institute in Austin, Minn. June 29-30 to investigate the incidence of melanotic tumors in the University of Minnesota herd. While in Austin they discussed possible future cooperative research projects with the University of Minnesota personnel directly responsible for the Hormel miniature pigs.

Cabinet Meeting Minutes

June 2, 1967 - Members present: Dean Kingrey, Drs. Curtin, McClure, Murphy, Dale, Rines, Shelton and Olson

1. *"Suggested Guidelines for Graduate Veterinary Medical Education"*- These guidelines were considered and several cabinet members commented favorably on the report and thought it should be helpful to the division as it moves ahead with graduate education. Guidelines were unanimously approved by the Cabinet.
2. *Graduate Students in the School of Veterinary Medicine*-The Dean's Office would like to have records of all graduate students in the School of Veterinary Medicine as it is helpful to have such information readily available.
3. *Footrot Disease Money* -Dr. Murphy reported that Dr. Paul DeLay of the Agricultural Research Service has money available to support footrot disease research.
4. *Dr. Oehme's Fellowship*-It was announced that Dr. Frederick Oehme, instructor in veterinary physiology & pharmacology, has been awarded a Special Fellowship.
5. *Discussion of general faculty meetings*- One member repeated his department's feelings that faculty meetings should be called when needed, announced several days in advance and an outlined agenda distributed to all faculty members. Other cabinet members indicated they believed faculty meetings should be called only as needed for purposes of communication & faculty business transactions.
6. *Student dress* -The results of the work of a student committee concerning student dress was reported. The report was discussed, but no official action was taken by the cabinet.
7. *It was agreed* that cabinet meetings would be called during the summer as needed.
8. *Laboratory Animal Welfare Act Committee* - A report was given on the deliberations of the committee and an attempt had been made to define several words or phrases used in the official act. The University must register its intentions by August 24, 1967 that it is complying with the Act or has positive plans to do so within 2 years. It is believed a veterinarian should be in charge of the program at the University. Some questions were raised on how this person would relate to the University System; what should the School's policy be toward laboratory animal care, housing, and raising; should we stand for a central facility; possible campus-wide inspection and supervision by staff of the School.

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