

SCHOOL OF VETERINARY MEDICINE FACULTY NEWSLETTER

UNIVERSITY OF MISSOURI - COLUMBIA

MAY, 1968 - NO. 11



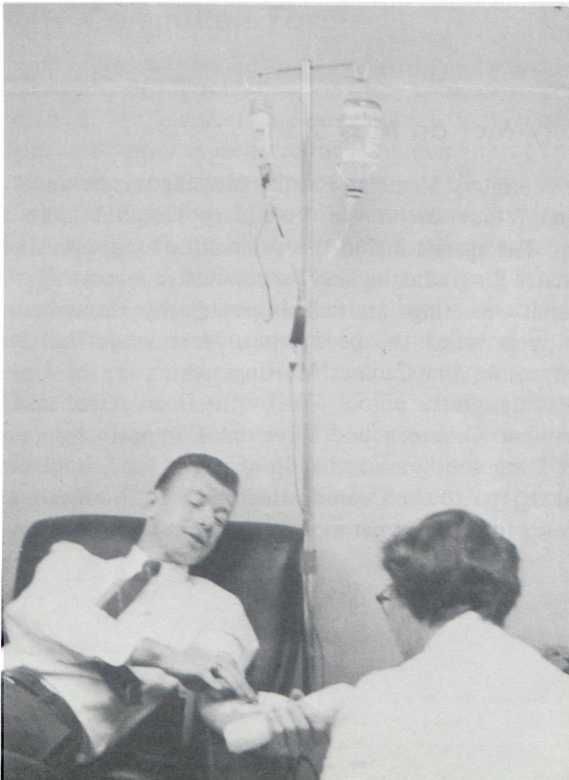
Rabies Program Involves UMC School

A special program was launched at the University of Missouri - Columbia which especially involved the veterinary medical students. It is called the "Rabies Immune Globulin Program" and is sponsored by Hyland Laboratories of California, one of the world's largest dealers in blood plasma and plasma fractions.

Dr. Donald C. Blenden, associate professor of veterinary microbiology and of community health and medical practice, is one of the persons in charge of the program here. The other co-project directors are Dr. William Galeota, director of Student Health Service, professor of psychology and associate professor of community health and medical practice; and Dr. Donald A. Senhauser, professor of pathology.

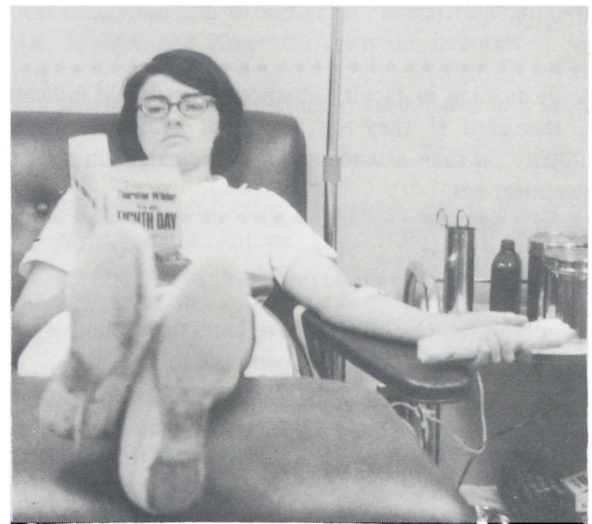
The purpose of the study is to find a better treatment for prevention of rabies using anti-serum of human origin instead of horse origin now being used. The rabies anti-serum works fine for most people, but many develop "serum sickness" from the other foreign protein in the horse serum. Also the vaccine is a long and uncomfortable treatment: often 14 daily shots

Mrs. Donna Goult, chief technician at the Medical Center's Blood Bank supervises the blood withdrawal of Bob Labdon, 3rd year student.



before the victim's plasma develops antibodies against rabies (the so-called "Pasteur series").

Although rabies is no longer a common disease in man, the treatment for prevention of rabies is very common (30,000 - 50,000 "Pasteur series" per year). By perfecting this human anti-serum, the person can receive protection in a matter of minutes rather than weeks without developing any severe



Miss Carol Steffen, 3rd year student, has the right idea of relaxing during the 1½ hour to 2-hour process.

reactions. It will take at least two years before this new serum can be perfected and marketed.

Missouri is the only place in the U.S. where blood samples are being collected for this program according to Dr. Blenden. Why was the student body of the UMC School of Veterinary Medicine chosen for this collection? Because of its interest in rabies study (the Public Health Section of the Department of Veterinary Microbiology) and the routine immunization shots received by the students during their four years here to safeguard their occupational exposure to rabies.

Dr. Blenden presented the program to the individual classes and volunteers donated blood samples which were studied to

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Dr. L. D. Kintner Receives Teaching Award of Merit

Dr. Loren D. Kintner, professor of veterinary pathology, was given the 1968 Gamma Sigma Delta Teaching Award of Merit in recognition of his superior teaching achievement. He received his D.V.M. degree in 1949 from Ohio State University and an M.S. degree from the University of Missouri - Columbia in 1952. Dr. Kintner also received the Norden Outstanding Teaching Award in 1966.



Dr. Kintner

He is a member of the AVMA, MVMA, Conference of Research Workers in Animal Diseases, AAAS, Phi Zeta, Sigma Xi, Gamma Sigma Delta and is listed in American Men of Science. He has been a Diplomate of the American College of Veterinary Pathologists for the past 12 years.

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• People turning in faculty absence cards should indicate
• on the card if they do *not* want prior newspaper
• publicity on their attendance or participation in out-of-
• town meetings.
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determine the rabies antibody level and the volunteers with the highest levels were chosen to continue the program.

Twenty-seven students were selected and each reported to the Student Health Service to get additional immunization shots bringing their total to nine. Afterwards they made three separate visits to the UMC Medical Center's blood bank where two pints of plasma were taken simultaneously from each person in about two hours time. A method called "plasmapheresis" was used to obtain the required plasma for the study. This method is performed by taking one pint of blood in the normal manner, but instead of removing the needle a drip of saline is given to keep the vein open while the blood sample is centrifuged at 4,000 rpms. The cells settle to the bottom and the plasma is left on top so that the cells can be returned back to the donor to prevent his body from having to replace the cells. The process is then repeated to obtain a second pint of blood.

From this study it is also hoped to determine the most effective route of administering the anti-rabies vaccine and to develop new serologic techniques for determining the amount of antibody in the blood.

Precommencement Program Held for Class of 1968

Dr. Ralph L. Kitchell, dean of the Iowa State University College of Veterinary Medicine, gave the main address at the second Precommencement Program of the School at 2 p.m. Tuesday, June 4 in the Veterinary Clinic.

The program to honor the Veterinary Medical Class of 1968 included the administering of the Veterinarian's Oath by Dr. A. E. Blum, president of the MVMA and the investiture by Dr. George C. Shelton, associate dean.

Dr. Thomas R. ShROUT, dean of the Missouri School of Religion, gave the invocation and benediction while Dr. Herbert W. Schooling, dean of faculties at the University of Missouri - Columbia, said a few words of greetings from the UMC administration.

A reception was held immediately following the ceremony in Room 217, Veterinary Clinic for the graduates, their families and the faculty members.

Grant Awarded to Dr. Loan

A grant of \$21,096 was awarded to Dr. Raymond W. Loan, associate professor of veterinary microbiology, from the Department of Health, Education and Welfare for the second year of his study entitled "Interferon in Leukemia Virus Infections."

Dr. Loan's grant involves the enhancement *in vivo* and *in vitro* of leukemia and leukosis viruses, as well as other viruses and cancer-producing physical and chemical factors.

Dr. Loan is testing for the appearance of Rauscher and Moloney murine leukemia viruses in the cells of animals. He will be interested in the effects of leukemia and leukosis viruses on cells *in vitro* and the accelerated signs of disease *in vivo*. The incidence of tumors will be noted in animals used in testing.

Faculty Met on May 23

A Veterinary Medicine Faculty Meeting was held at 4 p.m. Thursday, May 23 in the Veterinary Hospital-Clinic auditorium. The agenda included consideration for approval of the candidates for graduating and for committee reports.

Faculty meetings are called sporadically throughout the school year when the need arises. Most school business is carried on in the Cabinet Meetings which are held almost weekly through the school year by the Dean, Associate Dean, Department Chairmen and Directors. Committees appointed by the Dean continuously handle affairs of the School making special reports to the Dean on their progress. No meetings are scheduled for the summer months unless in an emergency.

— About the Faculty —

Dr. C. J. Bierschwal, professor of veterinary medicine and surgery, presented a paper on "Diagnostic Reproduction Techniques" at the University of Illinois School of Veterinary Medicine May 9-10 in Champaign, Ill.

Dr. Thomas M. Eagle, associate professor of veterinary medicine and surgery, attended a meeting of the Panel on Vocational Medicine May 11-21 at the annual Rotary International Convention in Mexico City, Mexico. Dr. Eagle is a past district governor of Rotary Club.

Dr. E. C. Mather, instructor of veterinary medicine and surgery, gave demonstrations on swine obstetrics and swine anesthesiology May 13-15 at a meeting of the Eastern Iowa VMA, Cedar Rapids.

Dr. Emmett L. McCune, assistant professor of veterinary microbiology, attended a meeting of the American Society of Microbiology Section on "Mycoplasma Marine Microbiology and Diagnostic Bacteriology" May 5-11 in Detroit, Mich.

Dr. T. M. Curtin, director of veterinary medical continuing education and professor of veterinary physiology and pharmacology; and *Dr. B. L. Moseley*, assistant professor of veterinary pathology and extension specialist, attended the National Extension Veterinarians Workshop May 5-10 in Atlanta, Ga.

Dr. Donald C. Blenden, associate professor of veterinary microbiology and associate professor of community health and medical practice, was recently elected President-Elect of the Missouri Public Health Association.

New Committee Formed

The faculty of the School of Veterinary Medicine approved and elected five members to constitute a new committee acting in an advisory capacity to the Dean in matters of policy. The committee is called the "Policy Advisory Committee."

The Committee elected its own chairman and decided upon the term of office for each member on a rotating basis.

Dr. Donald A. Schmidt, professor of veterinary pathology, is the chairman serving for three years. Other members include Dr. A. R. Dommert, associate professor of veterinary microbiology, for two years; Dr. M. E. Tumbleson, assistant professor of veterinary physiology and pharmacology and research associate of Sinclair Farm, for two years; Dr. J. E. Breazile, associate professor of veterinary anatomy, for one year; and Dr. J. D. Rhoades, assistant professor of veterinary medicine and surgery, for one year.

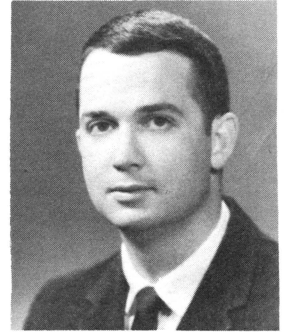
Two New Appointments

Dr. Robert E. Doyle will be joining the School in June as assistant University Director for Laboratory Animal Medicine and assistant professor of veterinary physiology and pharmacology.

Dr. Doyle received his B.S. degree in 1958 and D.V.M. degree in 1965 from the University of Missouri - Columbia. This year he is getting his M.S. degree from the University of Florida, Gainesville as a post-doctoral fellow in comparative medicine.

In 1961-62 he was a research assistant at the Institute of Medical Education and Research, St. Louis. He belongs to the AVMA, MVMA and American Assn. of Laboratory Animal Science.

The Doyles have three children aged 4 and 2 years and 5 months.



Dr. Doyle

Dr. Robert F. Solorzano has a joint appointment as associate professor in the Diagnostic Laboratory and associate professor of veterinary pathology beginning on June 1. His degrees include a B.S. in 1951 from Georgetown University, Washington, D.C.; an M.S. in 1956 and a Ph.D. in 1962 from Pennsylvania State University, University Park.

From 1958-62 Dr. Solorzano worked in research and diagnostic virology in the Department of Veterinary Science at Pennsylvania State. From 1962 to the present he has been with the Diagnostic and Research Laboratories at the University of Georgia, Tifton.

He is a member of the American Society of Microbiology, Animal Disease Research Workers in Southern States, American Assn. for the Advancement of Science and the National Conference of Veterinary Laboratory Diagnosticians.

Dr. and Mrs. Solorzano also have three children aged 7, 6 and 5 years.



Dr. Solorzano



Dean Kingrey awards PHT certificates (left to right) to Mrs. Ronald Brown, Mrs. Waybern Yates, Mrs. George Cunningham and Mrs. Wayne Sparks at the Student Auxiliary's annual Senior Dessert May 14 at the Charl-Mont Restaurant of the Downtowner Inn. The certificates ("push hubby through") have been awarded to wives of graduating seniors in the School since 1952 by the Dean of the School of Veterinary Medicine here.

Kraners Hold Picnic for Faculty Families

Dr. and Mrs. Keith Kraner will host a picnic for the veterinary medical faculty and their families on June 8 at their 500-acre farm near Harrisburg. (Rain cancelled May 25 plans.)

The community picnic will include fried chicken and a dish brought by each family. Entertainment will feature a hayride, soft ball, horseshoe pitching, croquet and various other outdoor sports.

Mrs. Kraner had talked about having such an informal affair for the faculty families with the other wives and she finally decided to take action. The picnic will allow everyone to become better acquainted.

Dr. Kraner is Supervisor of Laboratory Animal Medicine and professor of veterinary medicine and surgery.

Student A.V.M.A. Handbook Published

A student booklet entitled "Handbook for Students in the School of Veterinary Medicine, University of Missouri - Columbia" was recently published by the Missouri Student Chapter of the AVMA.

This 22-page booklet contains the School's Code of Ethics,

Student Chapter's Constitution, microscope purchasing recommendations, student dress requirements, equipment (excluding books) and various information about the Chapter's functions and School events.

These booklets will be sent directly to incoming first-year students and made available to the present student body and interested faculty members.

Need a Photographer?

The School has seen the growing need to acquire the services of its own photographer. Mr. James Bottom, an energetic young graduate student in photojournalism, will be available to all of the faculty during the summer months and early fall.

Jim is also a writer with undergraduate experience in advertising. Although he will be here on a temporary basis, Jim will lay the ground work for a permanent position to be filled at a later date.

Please feel free to contact him for any type of photography that you may require: visual aids, brochures, slide presentations, picture story ideas, movies, etc.

He can be reached through the office of Mrs. Pat Adams, #9-8083, ext. 22, 101 Conway Hall.

School of Veterinary Medicine FACULTY NEWSLETTER

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