



# VETERINARY MEDICAL REVIEW

College of Veterinary Medicine

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## Dr. Corley Appointed To Health Task Force

Dr. E.A. Corley has been named to a 20-man health manpower task force to study the need for doctors and other health care professionals in Missouri.

The two-year study is being funded by a \$400,000 grant from the Department of Health, Education and Welfare. An inventory of doctors, nurses and other professionals will be made with emphasis on the unequal distribution and over-specialization of health care professionals in the state.

"We are concerned that in some areas the need for health care providers is crucial, while in other areas we have an overabundance," said Henry Mandre, director of health manpower planning programs.

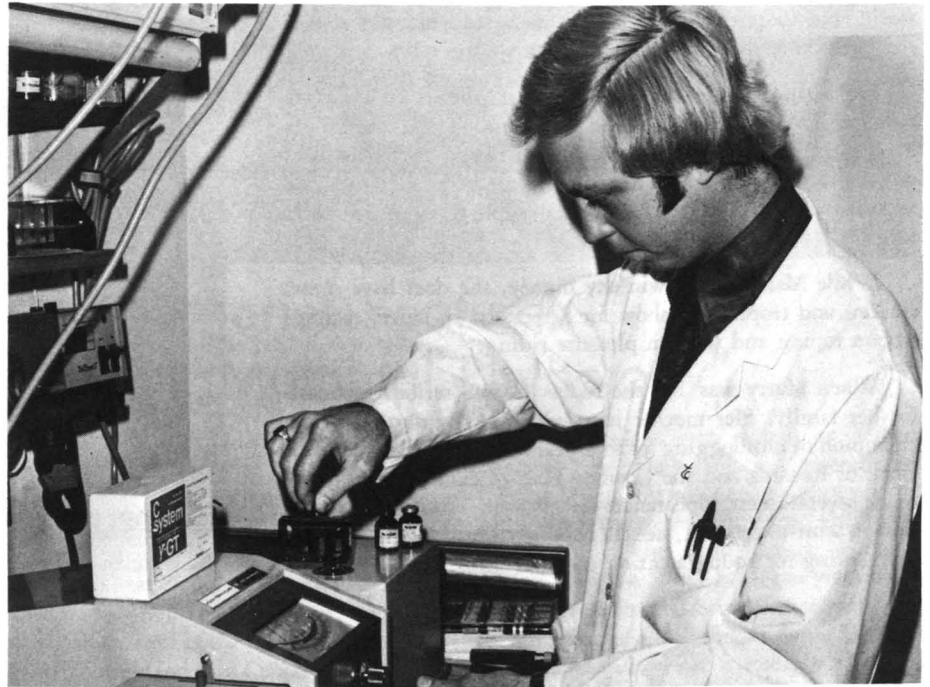
The findings of the study will be used to set up guidelines for the spending of federal funds in medical schools and other health education institutions in Missouri.

Dr. Corley is associate dean for academic affairs of the College of Veterinary Medicine.

## Swoboda Receives Alpo Scholarship

Stephen Swoboda, a first-year student in veterinary medicine, has been named the recipient of the Alpo Scholarship sponsored by the Alpo Pet Food Company.

The four-year scholarship is for \$1,000 a year. One recipient is selected from among the entering freshmen of each veterinary college in the U.S.



## Faculty Development Grant Used for Enzyme Study

An \$8,000 Faculty Development Grant has been awarded to the Department of Veterinary Pathology, University of Missouri-Columbia, by the Merck Company Foundation. The grant, which is specifically for young faculty members, is being used by Fred White, instructor in clinical pathology, to develop the diagnostic enzymology area. His primary

interest at present is in the enzyme profiles in the organs and tissues of the dog.

Presently, White is attempting to establish normal profiles for the various enzymes in the dog. When these have been established, abnormalities can be quickly detected. This will aid in the diagnoses of disease and in the treatments selected. Enzyme tests are used extensively in human medicine and are especially important in coronary cases where other tests may not detect important changes in the heart. Enzyme tests have not been

Stephen attended the College of Agriculture for two years where he was in the honors program. He is from St. Ann, Mo.

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# Students Find Rodeos

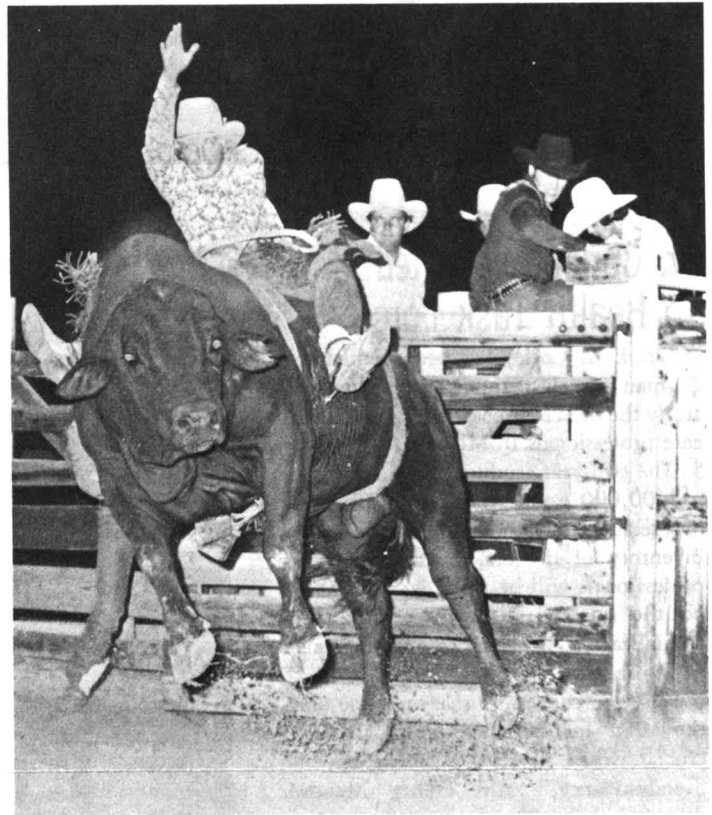
## Exciting . . .

Carl Martin and Dickson Varner are members of the "New Bronco Breed"—cowboys who love the challenge of the rodeo world. For these two veterinary medical students, the rough competition of rodeo participation holds a special fascination.

For a third student, Marty Johnson, the rodeo is a fun pastime. Marty started riding horses when she moved to Maypearl, Tex., at age 11. She began riding in rodeos five or six years later. "We used to go to the rodeos in the area as weekend entertainment, like some people go to the movie," says the VM II.

While Marty didn't win any money, she does have some ribbons and trophies to show for her efforts in barrel racing, ribbon roping and western pleasure riding.

When Marty was 17, the rodeo became serious business for her family. Her mother married James Bynum, a world champion in bulldogging for four years who is in the Guinness Book of Records and the Cowboy Hall of Fame. He has also made several quest appearances on "Wagon Train." Although now in semi-retirement, he still conducts a bulldogging school each spring for young aspiring rodeo champs.



## and sometimes profitable

As a student at North Texas State in Denton, Marty took courses in English jumping and riding which she found quite different from western riding. She completed a degree in medical technology, magna cum laude, at North Texas State and while an intern, met her husband who is also a registered medical technologist. He is now in his third year as a student at the College of Osteopathic Medicine in Kirksville.

Marty is not able to have any horses in Columbia but hopes that when she has finished school she will have a place for them and can spend some of her weekends at the rodeo.

Martin, a 23 year-old VM IV from Tarkio, is a calf-roping, bull-dogging member of the United Rodeo Association. Participating in Midwest rodeos since he was 15, Martin says, "There is a special secret to winning—you must learn to

eliminate wasted motion. For me it's a losing proposition, but it's a lot of fun!" Martin usually participates in seven shows and several "jackpot" rodeos (featuring only one or two events) yearly.

Varner, a VM IV from the Lake of the Ozarks, is a professional Brahma bull and bronc rider. He comes by his talent naturally—his father produced rodeos all over the country. Traveling in the professional circuits since he was 16, Varner averages 80 shows a summer. Last summer, he rode bulls in open rodeos from California, Colorado, and Wyoming to Madison Square Garden in New York City.

The winnings vary according to rodeo size. For the past several summers, Varner has averaged \$5,000. But he has received more than money for his efforts—he has suffered a broken back, broken arms and ankles, and a dislocated shoulder.

## Workshops Planned For Practitioners

Two workshops are planned for veterinarians at the College of Veterinary Medicine in December.

A one-day workshop on "Diagnostic Techniques" will be held on Dec. 4 to present up-to-date information on special and commonly used diagnostic techniques involving the gastrointestinal tract and anemias. Participants will perform the diagnostic procedures in a laboratory session.

Enrollment is limited to 12. Instructors for the workshop will be Drs. J.J. Broadhurst, R.L. Sexton, Ralph Richardson and J.D. Rhoades of the College faculty.

A three-day workshop on "General Small Animal Surgery" is scheduled for Dec. 5, 6, and 7 to provide up-to-date information and techniques for the practitioner who finds an increasing need for small animal surgery in his practice.

Enrollment is also limited to 12 for this workshop. Dr. Kenneth Niemeyer and Dr. M.J. Bojrab will conduct the workshop with the assistance of other members of the surgical staff.

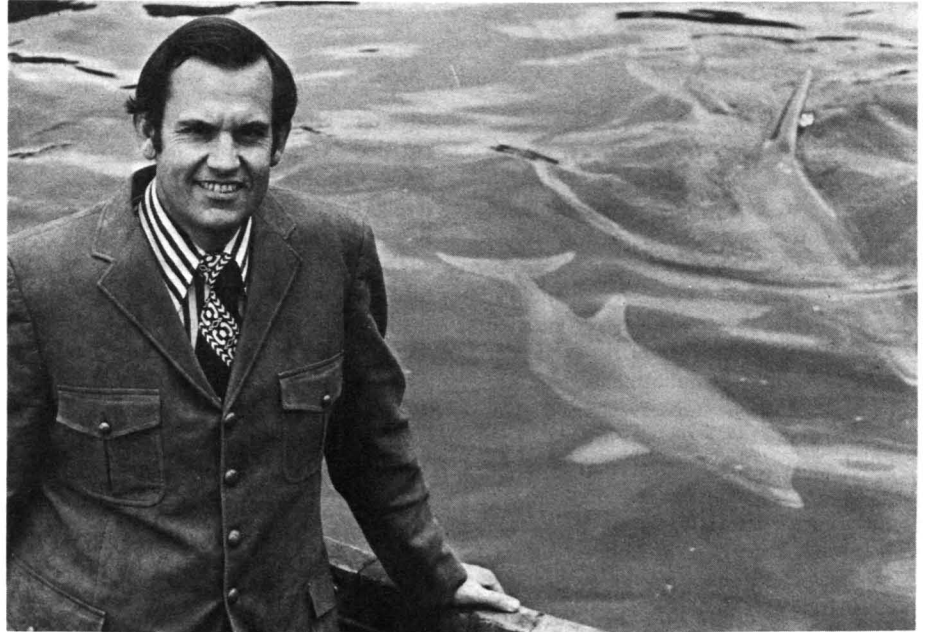
Both workshops are sponsored by the College of Veterinary Medicine, the UMC Extension Division and the University of Missouri-Columbia.

## Dr. Dellmann Visits Far East Countries

Dr. H.-D. Dellmann, professor of veterinary anatomy, recently returned from a 15-day trip to the Far East. While in Japan, he stopped in Nippondaira, Shizuoka and Kyoto. He also visited Bangkok, Thailand, and Hongkong.

Invited to speak in Nippondaira at the Second International Symposium on Brain Endocrine Interaction dealing with the Ventricular System in Neuroendocrine Mechanisms, Dr. Dellmann presented a paper (co-authored by Dr. J.B. Simpson, University of Pennsylvania) on "Comparative Ultrastructure and Function of the Subfornical Organ" to a group of about 100 scientists from all over the world.

He visited with Dr. R.C. Holland at the Department of Anatomy of Mahidol University in Bangkok and worked with



## Lecture Series Features "Marine Mammal Physiology"

Dr. Sam Ridgway will be the third speaker in the visiting lecturers series sponsored by the College of Veterinary Medicine for 1974-75. He will present a seminar entitled "Physiology of Marine Mammals" at 7:30 p.m., Dec. 5. Dr. Ridgway currently is head of the biomedical division of the Department of the Navy, Naval Undersea Center, San Diego.

He received a B.S. and a D.V.M. from Texas A&M and a Ph.D. from the University of Cambridge (England) where he was a fellow in neurobiology.

After receiving his D.V.M., Dr. Ridgway was briefly in private practice. Later he attended Medical Officers School and became the Chief of Veterinary Services at Oxnard AFB, Calif. He then was research veterinarian for the U.S.

him on unit responses and multiple unit activity in hypothalamic neurosecretory nuclei. Dr. Dellmann familiarized himself with new stimulation and recording techniques which will be used in a new research project on neuroendocrine cells conducted with Dr. J.E. Breazile, professor of veterinary anatomy.

While in Bangkok, Dr. Dellmann presented a seminar on the same topic as the paper in Japan.

Naval Missile Center where he helped initiate the Navy cetacean research at Point Mugu and was research associate for the University of Southern California working on the same project at Point Mugu. In July 1965 he began work with the Environmental Stress Institute of the University of California at Santa Barbara where he carried out a research program primarily concerning marine mammals. One of them was "Tuffy", a bottlenose porpoise, who was trained to work in the Navy's SEALAB II project to carry messages, tools and rescue lines. This was the first demonstration of the ability of these animals to serve useful functions to assist man in scientific investigation of the sea. In June 1966 Dr. Ridgway became a full-time employee at the Naval Missile Center as a research veterinarian and was later named program manager. This work was later transferred to the Naval Undersea Center where he continued research on marine mammal physiology and neural control mechanisms. After an interruption to complete post-graduate training at Cambridge, Dr. Ridgway returned to the Naval Undersea Center in his present position.

Career Day - March 27

# Faculty Notes

Dr. R.F. Solorzano and Dr. R.F. Sprouse, associate professors of veterinary microbiology, and D.R. Owens, research assistant in veterinary microbiology, attended the meeting of The Missouri Branch of the American Society of Microbiology at Springfield on Oct. 18 and 19. Dr. Solorzano presented a paper entitled "Transmissible Gastroenteritis in Feeder Swine: Clinical, Immunofluorescence and Histopathological Observations." Dr. Sprouse presented a paper entitled "Immunology and Serology of the Systemic Mycoses." Dwight Owens presented a paper entitled "Histoplasmosis in the Chinchilla."

Dr. R.F. Solorzano, associate professor of veterinary microbiology, attended the North Central Enteric Diseases of Swine Project Annual Meeting in Madison, Wis. on Oct. 20-23. He presented a paper entitled "Enteric Diseases of Swine Annual Report."

Dr. R.B. Wilson, professor of veterinary pathology, attended the Diamond Jubilee Conference at Washington State University on Oct. 23-25. He presented a paper entitled "Interaction—Nutrition and Disease."

Dr. H.E. Jensen, associate professor of veterinary medicine-surgery, presented a paper entitled "Clinical Ophthalmology" to the Tulsa Veterinary Medical Association on Nov. 1-2.

Dr. R.S. Youngquist, assistant professor of veterinary medicine-surgery, delivered three papers to the Mississippi Valley Veterinary Medical Association in Peoria,

Ill. on Nov. 5-7. The papers were entitled "Ova Transfer in Cattle," "Palpable Changes in the Bovine Reproductive Tract," and "Observations on the Postpartum Period."

Dr. C.E. Short, professor of veterinary medicine-surgery, presented an anesthesia workshop and delivered a paper entitled "Small Animal Inhalation Anesthesia" in Atlanta on Nov. 22-24.

## White Con't

used a great deal in animal medicine but are potentially as important in the detection of disease.

The grant will enable White to purchase the necessary laboratory equipment and supplies to obtain the profiles.

Only 25 such grants are given in the U.S. to young faculty actively contributing new knowledge in the fields of biological, biomedical and chemical sciences.

White received a B.S. in medical technology and an M.S. in clinical laboratory science from Michigan State University. He completed an internship at E.W. Sparrow Hospital in Lansing. He was an instructor in medical technology at MSU and Director of the Medical Laboratory Technician Program at Kellogg Community College, Battle Creek.

## Research Published

- A Comparative Ultrastructural Study of the Pars tubercularis of Various Mammals, the Chicken and the Newt*, H.-D. Dellmann, M.E. Stoeckel, C. Hindelang-Gertner, A. Porte, and F. Stutinsky, *Research*, 1974
- Demodicosis in the Mongolian Gerbil (Meriones Unguiculatus): A Case Report*, S.S. Schwarzbrodt, J.E. Wagner, and C.S. Frisk, *Laboratory Animal Science*, 1974
- Electrophoretic Pattern of Equine Cerebrospinal Fluid*, G.R. Kirk, S. Neate, R.C. McClure, and D.P. Hutcheson, *American Journal of Veterinary Research*, Oct. 25, 1973
- Herring Bodies Reexamined: An Ultrastructural Experimental Investigation of the Rat Neural Lobe*, H.-D. Dellmann, M.E. Stoeckel, A. Porte, F. Stutinsky, N. Chang and H.K. Adldinger, *Anatomia, Histologia, Embryologia*, 1974
- Influence of Breed Somatotypes on Prevalence of Hip Dysplasia in the Dog*, W.H. Riser, and J.S. Larsen, *Journal of the American Veterinary Medical Association*, 1974
- Isolation of Respiratory Syncytial Virus from Calves with Acute Respiratory Disease*, B.D. Rosenquist, *The Journal of Infectious Diseases*, August, 1974
- Matching of Antibiotic Resistance Patterns of Escherichia Coli of Farm Families and Their Animals*, D. Fein, G. Burton, R. Tsutakawa, and D. Blenden, *The Journal of Infectious Diseases*, Sept., 1974
- Maturation of the Emetic Apparatus in the Dog*, D.M. Smith, G.R. Kirk, and E. Shepp, *American Journal of Veterinary Research*, Vol. 35
- Protection by Antioxidants Against Arterial Sclerosis of Chronic Choline-Deficiency*, R.B. Wilson, P.M. Newberne, N.S. Kula, *Experimental and Molecular Pathology*, 1974
- Protein-Calorie Malnutrition in Young Miniature Swine: Serum Free Amino Acids*, T.M. Badger, M.E. Tumbleson, *The Journal of Nutrition*, October, 1974
- The Spheno-Occipital Suture of the Horse: Its Normal Radiographic Appearance*, N. Ackerman, J.R. Coffman, and E.A. Corley, *Journal of the American Veterinary Radiology Society*, Vol. XV, 1974

College of Veterinary Medicine

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