

Awards

ISU Past Editor's Award	Zadok Ruben Loras C. Wilgenbusch
Merck Veterinary Manual Award	Kenneth P. Reese Russ R. Weston
Keomah Kennel Club Scholarship	Chester Miller, Jr. William J. Fuller
Riser Small Animal Award	Nels E. Backlund II Brian D. Oetjen
Paul Starch Phi Zeta Award	Linda (Mrs. Paul) Von Behren
Pfizer Veterinary Student Scholarship Award	Stephen G. Juelsgaard
Ize Merchant Award	Richard P. Hanson
Award of the Women's Auxiliary to the AVMA	Steve C. Schrader
Walnut Grove Products Co. Award	Joan W. Moore
Burton C. Thomas Award	Russ R. Weston
Ival Arthur Merchant Award	Larry E. Moenning
Henry Dale Bergman Award	John L. Feldman
George Judish Scholarship Prize	Kenneth P. Reese
Charles Steel Memorial Award	David F. Wilgenbusch
Oris P. Idsvogg Award	Wayne A. Haidsiak
Lane-Wells Scholarship Award	David D. Schmitt
George W. Catt Memorial Scholarships	Ralph R. Snodgrass, Jr. Dennis T. Crowe, Jr.
G. G. Graham Prizes	Loras C. Wilgenbusch
Ak-Sar-Ben Award	Larry C. Booth
Allen Products	Francis J. Ekstein
Upjohn Awards	Phil D. Edler
Norden Distinguished Teacher Award	Keith E. Miller Dr. Keith W. Prasse

FACULTY NEWS



Congratulations

Dr. Herrick, Iowa State University extension veterinarian, received the Borden Award for outstanding contributions in research and control of diseases in dairy cattle. Sponsored by the Borden Company Foundation, the award consists of a gold medal and a cash stipend.

Dr. Herrick's career at Iowa State spans nearly 24 years, during which time he has achieved international prominence as an authority on fertility problems and diseases of cattle. His many contributions to the cattle industry include the organization of Iowa's Brucellosis eradication program, training over 200 technicians and helping to develop the use of artificial insemination in Iowa, and production of three films on cattle reproduction which are used ex-

tensively throughout the United States and other parts of the world.

Dr. Herrick was also chairman of a committee that developed a test now used throughout the nation for mastitis. He was instrumental in developing the Iowa Mastitis Committee and later the National Mastitis Council, and produced a series of pamphlets and slides on mastitis control that has been used in several states.

Long a champion of herd health programs, Dr. Herrick has lectured, conducted seminars and workshops, and published extensively for both veterinarians and producer groups. He has served on numerous state and national committees concerned with the various animal diseases and was a prime motivator in the formation of the American Association of Breeding Soundness.

Dr. Herrick is a member and past president of both the IVMA and AVMA, chairman of the National Association of Extension Veterinarians, chairman of the U. S. Animal Health Institute's Infectious Diseases of Cattle Committee, and a member of the American Association of Bovine Practitioners and National Association of Artificial Breeders.

Congratulations are in order to Dr. William Van Meter, Veterinary Physiology and Pharmacology for being selected for Cardinal Key, to Dr. Richard Seagrave, Biomedical Engineering, for being selected for Cardinal Key, and to Dr. David L. Graham, Veterinary Pathology for being selected as a Professor of the Year.

Congratulations to Dr. Keith W. Prasse, Veterinary Pathology, for being a recipient of the Norden Distinguished Teacher Award.

Congratulations to Dr. Joe Sexton. Dr. Sexton was the winner in the Men's Division of the AVMA Golf Tournament.

Congratulations are in order to Dr. R. W. Dougherty who was elected president of the American Association of Veterinary Nutritionists. Dr. Dougherty will represent AAVN at the Second World Congress of Animal Nutrition in Madrid, Spain.

Advanced Degrees Received Summer Quarter

Dr. C. B. Chastain—M.S. in Veterinary Clinical Sciences

Mr. Paul Sorenson—M.S. in Biomedical Engineering

Dr. Robert Carithers—Ph.D. in Biomedical Engineering and Veterinary Clinical Sciences

Mr. David Carroll—Ph.D. in Biomedical Engineering

Dr. Dennis Elsberry—Ph.D. in Veterinary Pathology

Mr. Charles Meyer—Ph.D. in Biomedical Engineering

Dr. D. L. Baker, Associate Dean, College of Veterinary Medicine, attended a House sub-committee hearing on the health appropriations for the fiscal year in 1973 in Washington, D.C.

Dr. J. S. Bal, Associate Professor, Veterinary Anatomy, presented a seminar entitled "Comparative Anatomy of the Fetal Membranes of the Domestic Animals: Gross, Microscopic and Fine Structure and Their Classifications" at Punjab Agricultural University, Punjab, India, during the month of July.

Dr. R. A. Ball, Associate Professor, Veterinary Medical Research Institute, attended the North Central Conference of Veterinary Laboratory Diagnosticians and Poultry Disease Conference at Purdue University, June 6–8, 1972.

Dr. John D. Berthelsen, Extension Veterinary Medicine, attended the National Feeder Pig Show in West Plains, Missouri, June 1–3, 1972; and the North Central Conference of Veterinary Laboratory Diagnosticians and Poultry Disease Conference at Purdue University, June 5–9. He also attended the George A. Young Conference on Advances in Swine Repopulation at the University of London, Nebraska, August 1, 1972.

Dr. W. H. Brockman, Associate Professor, Biomedical Engineering, presented a short course on electricity and neurophysiology at Medtronic, Inc., Minneapolis, Minnesota, March 21.

Helen K. Brown, Instructor, Veterinary Pathology, attended the Technicon Symposium on Continuing Education in Histopathology in Kansas City, Kansas, September 28–30, 1972.

Dr. L. N. Brown, Associate Professor, Veterinary Diagnostic Laboratory, presented a paper entitled "The Response of Calves to Experimental or Natural Field Infections by *Haemophilus somnus* as Determined by the Complement Fixation Test" at the North Central Conference of Veterinary Laboratory Diagnosticians and Poultry Disease Conference, Lafayette, Indiana, June 6, 1972.

Dr. D. L. Carson, Associate Professor, Biomedical Engineering, attended the an-

nual conference of the Association for Advancement of Medical Instrumentation April 23-27, 1972, in Las Vegas, Nevada. He also attended the 8th Annual Rocky Mountain Bioengineering Symposium in Omaha, Nebraska, May 1-3, 1972.

Dr. R. C. Dillman, Associate Professor, Veterinary Diagnostic Laboratory, and Dr. L. N. Brown, Associate Professor, Veterinary Diagnostic Laboratory, addressed the District III Meeting of the Nebraska Veterinary Medical Association on "Beef Cattle Problems" in Laurel, Nebraska, April 20, 1972. Dr. Dillman also presented a paper entitled "Laryngitis in Calves and Its Relationship to the *Haemophilus somnus Complex*" at the North Central Conference of Veterinary Laboratory Diagnosticians, Purdue University, Lafayette, Indiana, June 6, 1972. In Lincoln, Nebraska, September 7, 1972, he presented another paper entitled "Bovine Rabies: An Insidious Source of Human Exposure" at the Fourteenth Annual Midwest Inter-professional Seminar on Diseases Common to Animals and Man.

Dr. B. J. Edmundson, Instructor, Veterinary Microbiology, attended a symposium on mycotoxins and mycotoxicoses at the University of Missouri, May 8, 1972.

Dr. Richard L. Engen, Associate Professor, Veterinary Physiology and Pharmacology, presented a paper entitled "Influence of Calcium, Sialic Acid and pH on Surface Tension Measurement of Lung Surfactant" at the American Physiological Society Meeting, Pennsylvania State University, August 29, 1972.

Dr. M. L. Frey, Associate Professor, Veterinary Medical Research Institute, assisted the American Association of Avian Pathologists with the teaching of a short course on Avian Mycoplasmosis. The course was held at the University of California, Davis, March 19-23. He also presented two talks on Bovine Respiratory Diseases in Cattle at the Wisconsin Veterinary Medical Association's summer meeting, Whitewater, Wisconsin, June 23, 1972.

Dr. R. D. Glock, Assistant Professor, Veterinary Pathology, presented a seminar entitled "The Pathogenesis Of Swine

Dysentery" to personnel at the Armour-Baldwin Laboratories, Omaha, Nebraska, March 23, 1972 and a paper with the same title at the Second International Congress of the International Pig Veterinary Society at Hannover, Germany, May 23, 1972.

Dr. D. L. Graham, Assistant Professor, Veterinary Pathology, presented a paper entitled "Inclusion Body Disease of Falcons" at the 1972 Wildlife Disease Association annual meeting at the University of Michigan, June 14, 1972.

Dr. Mary H. Greer, Assistant Professor, Biomedical Engineering, attended the Steroscan Colloquium and the Workshop on Biological Specimen Preparation of the Fifth Annual Scanning Electron Microscope Symposium in Chicago, Illinois, April 23-27. Dr. Greer also participated in the Fifth European Congress on Electron Microscopy held at the University of Manchester, Manchester, England, September 5-9, 1972.

Dr. D. L. Harris, Assistant Professor, Veterinary Microbiology, presented a paper entitled "Inoculation of Specific Pathogen-Free and Germ-Free Pigs with *Treponema hyodysenteriae* and *Vibrio coli*" at the annual meeting of the American Society for Microbiology in Philadelphia, Pennsylvania, April 25, 1972. He also lectured to the junior Veterinary Students at the University of Minnesota on "Bacterial Enteric Diseases of Swine" on May 4. At the Second International Congress of the International Pig Veterinary Society at Hannover, Germany, May 23, 1972, Dr. Harris presented a paper entitled "Reproduction of Swine Dysentery with Pure Cultures of *Treponema hyodysenteriae*." He also attended the "Second International Symposium on Intestinal Microflora" at the University of Missouri, June 4-6, 1972.

Dr. John B. Herrick, Extension Veterinarian, served on the Board of Directors of the Livestock Conservation Inc. at their annual meeting in Indianapolis, Indiana, April 23-25, 1972, and presented a paper on preconditioning. He also attended the Animal Health Institute Annual Meeting in Newport Beach, California, April 30, and presented a paper entitled "Trends in

Veterinary Medicine." In Kalamazoo, Michigan, June 13, 1972, Dr. Herrick presented a lecture entitled "The Veterinarian and Prescription Drugs" to the Upjohn staff. On August 21, he presented a paper, "Interstate Movement of Semen," to the National Association of Animal Breeders, Arlington Heights, Illinois.

Dr. M. S. Hofstad, Acting Associate Director, Veterinary Medical Research Institute, represented the National Institutes on Health Training Grant Committee on a site visit for the National Institute of Allergy and Infectious Diseases, Cornell University, August 8, 1972. Dr. Hofstad also attended the North Central Conference of Veterinary Laboratory Diagnosticians and Poultry Disease Conference at Purdue University, June 7-8.

William J. Hubbard, Predoctoral Fellow, Veterinary Medical Research Institute, presented a paper entitled "Immunochemical Characterization of *Ascaris suum* Pseudocoelomic Fluid Antigens" at the annual meeting of the Southwest Association of Parasitologists, University of Oklahoma Biological Station, Lake Texoma, April 14, 1972.

Dr. Norman E. Hutton, Associate Professor, Veterinary Medical Administration, presented a report on the design of a National Center for Animal Disease Surveillance to the Animal Health Committee of the National Academy of Sciences in Washington, D.C., April 4, 1972. Dr. Hutton lectured at the United States Department of Agriculture Veterinary Administrator Development Program held at N.A.D.L. May 30 to June 2, 1972. Dr. Hutton also presented three papers entitled "Data Retrieval Systems for Animal Disease Information," "A Currentawareness System for Veterinary Medical Literature," and "Biological Computing in Veterinary Medical Research" at the International Summer School on Computers and Research in Animal Nutrition and Veterinary Medicine, Elsinore, Denmark, August 13-26, 1972.

Dr. Rodney H. Ingraham, Assistant Professor, Veterinary Physiology and Pharmacology, presented a paper entitled "Estimatists meeting, University of Texas South-

Holstein Cows Due to Adverse Temperature and Humidity in Tropical and Subtropical Climates" at the Sixth International Biometeorological Congress, Noordwijk, Netherlands, September 5, 1972.

Dr. E. L. Jeska, Associate Professor, Veterinary Medical Research Institute, attended the annual meetings of the American Association of Immunologists in Atlantic City, New Jersey, April 9-14, 1972. Dr. Jeska presented a commemorative address entitled "Immunoparasitology Since 1947 and Future Prospects" at the Silver Anniversary Conference of the American Institutes for Biological Sciences, Minneapolis, Minnesota, August 29, 1972.

Dr. C. J. Johanns, Assistant Professor, Veterinary Clinical Sciences, attended the Summer Meeting of the National Mastitis Council in Milwaukee, Wisconsin, August 20-22, 1972.

H. David Kay, Graduate Fellow, Veterinary Microbiology, attended the "Federation of American Societies for Experimental Biology" annual meeting in Atlantic City, New Jersey, April 9-14, 1972.

Mr. Gary Krull, Media Associate, Biomedical Communication, Dr. D. L. Graham, Assistant Professor, Veterinary Pathology, and Dr. Daniel J. Hillman, Assistant Professor, Veterinary Anatomy, traveled to Kansas City on May 26 to observe the use of closed circuit television in the School of Medicine.

Dr. R. L. Lundvall, Professor, Veterinary Clinical Sciences, attended a conference on Venezuelan equine encephalomyelitis, organized by the Jensen-Salsberry Laboratories of Kansas City in cooperation with the American Association of Equine Practitioners, June 7-8, 1972. Dr. Lundvall presented papers on "Surgical Procedures for Cribbing", "Common Eye Problems" and "Traumatic Injuries" at the Minnesota Veterinary Medical Association meeting, July 7-9, 1972.

Dr. James H. Magilton, Professor and Acting Head, Veterinary Anatomy, Dr. B. H. Skold, Associate Professor, Veterinary Anatomy and Dr. J. R. Carithers, Assistant Professor, Veterinary Anatomy, attended the American Association of Anatomists meeting, University of Texas South-

western Medical School, Dallas, Texas, April 3-6, 1972.

Dr. C. J. Mare, Associate Professor, Veterinary Microbiology, presented a paper entitled "Isolation and Characterization of Herpesvirus of Falcons" at the Wildlife Disease Conference, University of Michigan, Ann Arbor, Michigan, June 13, 1972. He also presented two papers at the Seventh Foreign Animal Diseases Seminar, June 22. They were entitled, "East Coast Fever" and "Ephemeral Fever".

Dr. James J. O'Toole, Associate Professor, Veterinary Diagnostic Laboratory, attended a conference on environmental Protection Agency offices, Washington, D. C., March 15-18.

Dr. Phillip T. Pearson, Professor, Veterinary Clinical Sciences, presented a three day lecture, demonstration and laboratory course on "Orthopedic Surgery" to the Arizona Veterinary Medical Association, University of Arizona Medical School, Tucson, Arizona, March 27-31. He also visited the National Institutes of Health, Department of Agriculture, United States Army and Iowa Senators and Congressmen in Washington, D.C., August 16-18, 1972.

Leon N. D. Potgieter, Instructor, Veterinary Microbiology, presented a lecture on "Mycoplasma" in the Department of Microbiology, Veterinary College, Auburn University, September 28, 1972.

Dr. G. A. Potter, Associate Professor, Biomedical Engineering, attended the 5th Annual Briefing Conference of the U. S. Patent Office in Washington, D. C., April 16-17, 1972. He also presented a paper entitled "End-Point Control Using Head Orientations" at the Fourth International Symposium on External Control of Human Extremities, Dubrovnik, Yugoslavia, August 28, 1972.

Dr. F. K. Ramsey, Distinguished Professor and Head, Veterinary Pathology, presented a seminar on "Lightning Diagnosis" to the Southwestern Wisconsin Veterinary Medical Association in Dodgeville, Wisconsin, April 26, 1972.

Dr. R. F. Ross, Associate Professor, Veterinary Medical Research Institute, attended the American Society for Micro-

biology annual meeting in Philadelphia, April 25, 1972, and presented a paper entitled "Acholeplasmas in Swine". He also participated in the NCR 64 Technical Committee meeting on Mastitis-Metritis-Agalactia in Sows held in East Lansing, Michigan, April 27, 1972. Dr. Ross also presented a paper entitled "*Mycoplasma hyosynoviae* arthritis in swine" at the Second International Pig Veterinary Society at Hannover, Germany, May 23, 1972. He also attended the NIH Regional meeting in Minneapolis, Minnesota, September 27-29, 1972.

Dr. R. C. Seagrave, Professor and Chairman, Biomedical Engineering, presented a paper entitled "The Frontiers of Biomedical Engineering" at the 3M Central Research Seminar, Minneapolis, Minnesota, March 21. He also gave an invited lecture on "Chemical Engineering Research in Biomedicine" at the Chemical Engineering Division Seminar, Argonne National Research Laboratory, Chicago, Illinois, March 30, 1972. Dr. Seagrave also presented a paper entitled "A Model of Infant Thermoregulation" at the Division of Industrial and Engineering Chemistry at a meeting of the American Chemical Society. Congratulations are in order to Dr. Seagrave for being selected for Cardinal Key.

Dr. Vaughn A. Seaton, Professor and Head, Veterinary Diagnostic Laboratory, attended the Executive Advisory Committee Meeting of the American Association of Veterinary Laboratory Diagnosticians, Gravois Mills, Missouri, August 18-19.

H. M. Stahr, Assistant Professor, Veterinary Diagnostic Laboratory, attended a symposium sponsored by the University of Missouri Medical School and Veterinary College on Aflatoxicoses, May 8, 1972. He also presented a paper entitled "Determination of Lead in Animal Tissues" at the First Chicago Spectroscopy Forum at Illinois Benedictine College, Lisle, Illinois, June 6, 1972.

The 9th Annual Rocky Mountain Bioengineering Symposium was held in Omaha, Nebraska, May 1-3, 1972. Several members of the Biomedical Engineering Program attended and participated:

Dr. Curran Swift, Assistant Professor, and **Dr. M. P. Crawford**, Associate, are co-authors of a paper entitled: "An Instrumentation System for Use in Artificial Heart Research." They also participated in the workshop session on artificial internal organs May 1, and observed the student paper session on May 2. **Paul Spehr** presented his paper entitled "Artificial Ventricle and Control Parameters" in the student paper session.

Dr. W. P. Switzer, Professor, Veterinary Medical Research Institute, presented a workshop symposium on Swine Respiratory Diseases at South Dakota State University, May 4, 1972. He also presented a seminar on "Atrophic Rhinitis and Mycoplasmas" at the dedication of the new Pitman Moore Research Facility, Washington Crossing, New Jersey, June 8, 1972.

Dr. G. A. Van Gelder, Associate Professor, Veterinary Diagnostic Laboratory, attended the Environmental Protection Conference on Neurophysiology and Behavior held at the Perrine Primate Laboratory, Perrine, Florida, March 21-25. He also attended the First Annual Consortium on Endemic Lead Poisoning with **Dr. T. L. Carson**, Instructor, Veterinary Diagnostic Laboratory, in Chicago, Illinois, May 2-5, 1972.

Dr. W. C. Wagner, Associate Professor, Veterinary Medical Research Institute, attended the annual meeting of NCR 64 Technical Committee in East Lansing, Michigan, April 27-28, 1972. He also pre-

sented a paper entitled "ACTH, Corticoids and Luteal Function in Heifers" at the VIIth International Congress on Animal Reproduction and Artificial Insemination in Munich Germany, June 7, 1972. **Dr. Wagner** also presented a paper entitled "Induction of Parturition in Cattle" at a short course for Veterinarian on Beef Cattle Reproduction, Fort Collins, Colorado, September 13, 1972, and attended the annual meeting of the NCR-57 Committee on Reproductive Physiology, East Lansing, Michigan, August 30, 1972.

Dr. Lee Wilke, Postdoctoral Associate, Veterinary Anatomy, and **Mr. Robert C. Feher**, Graduate Assistant, Veterinary Anatomy, attended the Fourth Annual Conference on Aging sponsored by the Aging Branch of the National Institute of Health, University of California at Santa Cruz, August 21-24, 1972.

Dr. J. L. Wood, Assistant Professor, Biomedical Engineering, presented a seminar March 25, to the Department of Orthopedics, University of Iowa, Iowa City, Iowa. **Dr. Wood** also attended seminars on "Materials and Design Considerations for the Attachment of Protheses to the Musculo-skeletal System" in Clemson, South Carolina, April 3-4, 1972.

Dr. W. J. Zimmerman, Professor, Veterinary Medical Research Institute, attended the annual meeting of the Livestock Conservation, Inc. in Indianapolis, Indiana, April 24-26, 1972, and served as a consultant to trichinosis eradication committee.