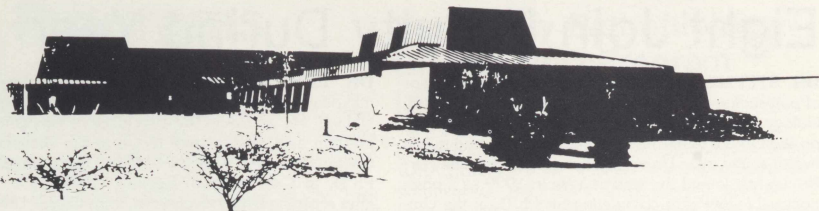


Veterinary Report



University of Illinois - College of Veterinary Medicine, Urbana, Illinois

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Alumni Honor Four at Conference

Four individuals received special recognition from the University of Illinois College of Veterinary Medicine Alumni Association during the college's 65th Annual Fall Conference for Veterinarians. The veterinary alumni presented their traditional Merit and Service Awards as well as two special Service Awards to Dr. Warren N. Anderson, Naperville; Dr. Wayne W. Brown, Paw Paw; Dr. Norman D. Levine, Champaign and Paul O'Bryen, Springfield.

Dr. Anderson received the Alumni Merit Award for his accomplishments and contributions to veterinary medicine as well as his contributions to community service. Candidates for this award must be graduates of the University of Illinois College of Veterinary Medicine. Dr. Anderson received his DVM degree from Illinois in 1956. Following graduation he practiced in Evanston for two years, then opened his own small animal veterinary practice in Blue Island, Illinois. Ten years later he merged his practice with another one to form Bevlab Veterinary Hospital.

During his career, Dr. Anderson has been especially interested in allergies and skin problems in pets. He belongs to several veterinary organizations that specialize in these topics, and has written a book as well as several book chapters on the subject.

Dr. Anderson has actively participated in the Chicago Veterinary Medical Association, serving as president, executive secretary and secretary. Other organizations he belongs to include the Illinois State Veterinary Medical Association, the American Veterinary Medical Association, and the American Animal Hospital Association.

Dr. Anderson's community service includes 20 consecutive years of perfect attendance in the Blue Island Lions Club. A two-time president of the organization, Dr. Anderson also has served on numerous special committees for the service organization.

Dr. Brown, recipient of the Service Award, is a 1955 graduate of Iowa State University's College of Veterinary Medicine. The Service Award is presented to a non-alum for meritorious service to the profession in Illinois. Except for a short stint in the U.S. Air Force, he has practiced veterinary medicine in the Paw Paw area since graduation. Dr. Brown built a new clinic at Earlville in 1970.

Dr. Brown is a long-time member of the American Veterinary Medical Association, the American Association of Swine Practitioners, the Illinois State Veterinary Medical Association (ISVMA), and the Northern Illinois Veterinary Medical Association (NIVMA). He served as treasurer and director of the board for the ISVMA. He and his wife were instrumental in producing the book detailing 100 years of ISVMA history. He also served as president, secretary/treasurer, board member, and committee person for the NIVMA.

Dr. Brown's son Bruce is a senior at Iowa State University College of Veterinary Medicine, while his daughter-in-law received her DVM from Iowa State University a year ago. His daughter Gayle is a junior at the University of Illinois College of Veterinary Medicine.

In addition to the veterinary organizations, Dr. Brown has been active in the Lions Club, the Boy Scouts, and the Paw Paw Area Centennial Committee. He also farms a 200-acre farm with the aid of his family and part-time help.

The Special Service Awards are not given on an annual basis, but are presented only when the Alumni Association feels someone is deserving of special recognition. Dr. Levine, professor emeritus in veterinary pathobiology at the University of Illinois College of Veterinary Medicine, received one of those special service awards. A faculty member at the University of Illinois since 1937, Dr. Levine graduated with a B.S. degree from Iowa State University at Ames



Four individuals received special recognition from the University of Illinois College of Veterinary Medicine Alumni Association during the organization's annual meeting. Dr. Wayne Brown (far left) received the Service Award for meritorious service to the veterinary medicine profession. Dr. Warren Anderson (2nd from left) accepts the Merit Award for extraordinary interest and loyalty to the College of Veterinary Medicine and for having attained outstanding success and distinction in the profession of veterinary medicine from Dr. Jay Brown (center), president of the Veterinary Alumni Association. Dr. Norman Levine (2nd from right) received a Special Service Award for meritorious service to the veterinary medicine profession, as did Paul O'Bryen (far right).

in 1933. He earned his PhD in zoology from the University of California, Berkeley in 1937.

During his tenure at Illinois, Dr. Levine became known for his work in parasitology, protozoology and human ecology. After distinguished military service during World War II, he became one of the first faculty members of the new College of Veterinary Medicine in 1946. From 1946 until his retirement in the spring of 1984, he served as head of the college's parasitology division. He became both nationally and internationally known in his field. Dr. Levine is the author or editor of 12 books and about 530 publications in scientific periodicals. He also was an active member of numerous professional organizations. He served as president of the American Society of Parasitologists, the Society of Protozoologists, the Illinois Academy of Science, and American Society of Professional Biologists and the Midwestern Conference of Parasitologists. He became only the fourth American and 13th person overall to be named an honorary member of the Society of Protozoologists in 1971.

Dr. Levine is a charter fellow and a former member of the Board of Governors of the American Academy

of Microbiology. He has served as a council member of the American Association for the Advancement of Science, as a member of the governing board of the World Federation of Parasitologists and a past chairman of the tropical medicine and parasitology study section of the National Institutes of Health.

The association's other special service award went to Paul O'Bryen, a field representative for Norden Laboratories, Lincoln, Nebraska, from 1953 through 1983. O'Bryen served the central Illinois sales territory and managed to build the territory to a market value of \$700,000. He worked closely with faculty members at the University of Illinois College of Veterinary Medicine and presented the award for teaching excellence on his company's behalf each year.

O'Bryen was elected to the Norden President's Council five times. He also received an Honorary Life Membership in the Mississippi Valley Veterinary Medical Association. Following his retirement in 1983, O'Bryen continues his close working relationship with the University of Illinois. He is currently working with Dr. Erwin Small and Norden on a film related to practice management.

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Biographical Sketches

Eight Join Faculty During Year

DR. STEPHEN J. BROWN is an assistant professor of parasitology in the department of veterinary pathology. He came to the University of Illinois from a position in the department of epidemiology and public health at the Yale University School of Medicine. Dr. Brown first joined the staff at Yale in 1979 as a postdoctoral fellow after completing his Ph.D. at the University of Kentucky. In 1979 and 1980 he was a National Institutes of Health Research Trainee in immunoparasitology. His NIH research at Yale centered on basophil hypersensitivity and immune host resistance and characterization of tick antigens eliciting host immunity. Dr. Brown was selected to the editorial board of *Veterinary Parasitology* a year ago.

DR. JOHN A. DELLINGER is an assistant professor at the University of Illinois with a joint appointment in veterinary biosciences and in the Institute of Aviation. He joined the faculty last fall after completing his Ph.D. in toxicology in the veterinary biosciences department. Dr. Dellinger's research has included work with the organophosphates, the aerial application of these pesticides and their effect on pilot performance.

DR. WILLIAM F. HALL is an assistant professor in veterinary clinical medicine. A swine specialist, Dr. Hall is assigned to the theriogenology and field service section. He came to the University of Illinois staff from a position as assistant professor in the Department of Large Animal Clinical Sciences at the University of Minnesota. Dr. Hall received his veterinary degree at the University of Sydney, Australia in 1973. He served as a clinician at the University of Sydney for two years and then practiced in Saskatchewan for four years. Dr. Hall joined the staff at Minnesota as a research fellow in the fall of 1979 and received an M.S. degree from there in 1982. His graduate research was on feeding behavior of weanling pigs. Other research interests include post-weaning and neonatal diarrhea, computers in swine health programming, animal behavior and the role of adjuvants in vaccines.

DR. GREGORY K. OGILVIE is an assistant professor of small animal medicine. He is the college's clinical oncologist. He joined the University of Illinois staff after completing his residency at Tufts and the Angell Memorial Animal Hospital in Boston. Dr. Ogilvie received his D.V.M. degree from Colorado State University in 1981 and then completed an internship at the Veterinary Clinic of West Hartford, Connecticut. His research interests at Tufts included projects on hormonal receptors in canine and feline mammary tumors; bone marrow transplantation in pancytopenic, FeLV positive cats; lactate metabolism in canine mammary tumors; effects of time and temperature on blood ammonia; and establishment of normal feline blood ammonia levels.

DR. DAVID A. STAHL joins the department of veterinary pathology as an assistant professor of microbiology. Before joining the University of Illinois faculty, he was a molecular geneticist on the staff of the National Jewish Hospital and Research Center in Denver. A native of Vancouver, Washington, Dr. Stahl graduated magna cum laude from the University of Washington and was elected to Phi Beta Kappa. He received his doctorate in microbiology from the University of Illinois in 1977 where his advisor was MacArthur Foundation Fellow Carl Woese. Dr. Stahl was awarded an NIH postdoctoral fellowship and has worked as a research associate at Jewish Hospital since 1978. His research has included work on nucleic acid structure and protein-polynucleotide interaction. He has developed techniques that will be useful in the study of bacterial diseases and on the understanding of the evolution of bacteria.

DR. ERIC R. VIMR is an assistant professor of microbiology in the department of veterinary pathology. He comes to the University of Illinois from a position as a postdoctoral fellow at the University of California, Davis. A native of Ohio, he completed his Ph.D. at Case Western Reserve University in 1981 after receiving earlier degrees at John Carroll University and Kent State University. Dr. Vimr's research at Davis studied the biosynthesis of the polysialic acid capsule produced by some strains of *E. coli* through genetic and recombinant DNA approaches. He also initiated studies on the synthesis of polysialic acid in developing neural tissue.

DR. LYNN G. WHEATON is an assistant professor of small animal surgery. She comes to the University of Illinois from Purdue University. Dr. Wheaton graduated from the University of California, Davis in 1967 before completing her postdoctoral training at the Animal Medical Center. A diplomate of the American College of Veterinary Surgeons (ACVS), she was in private small animal surgery practice for five years. Following three years as an assistant professor in the department of surgery and the division of comparative medicine at Johns Hopkins University School of Medicine, Dr. Wheaton joined the staff at Purdue in 1981. Dr. Wheaton is a member of the ACVS education committee. Her research interests include gastrointestinal ischemia, benign prostatic hyperplasia and pacemakers.

DR. HERBERT E. WHITELEY is an assistant professor of pathology in the department of veterinary pathology. He joined the University of Illinois staff after completing his Ph.D. in comparative pathology at Colorado State University. Dr. Whiteley received his D.V.M. degree from Purdue University in 1977. After receiving his D.V.M., Dr. Whiteley spent three years in practice in Massachusetts. In 1980, he began a residency in morphologic pathology in the department of pathology at Colorado State University. His last two years at Colorado State were as a postdoctoral fellow under a vision research training grant from the National Eye Institute. Dr. Whiteley is especially interested in the pathology of the eyes in both large and small animals and in membrane biology.

Asst. Dept. Head Named

Dr. Ken Todd, professor of veterinary parasitology and chairperson of the division of parasitology at the University of Illinois College of Veterinary Medicine, was recently appointed assistant head of veterinary pathology. His duties in the new position are primarily concerned with professional teaching within the department.

Dr. Todd received his PhD degree in parasitology from Utah State University in 1967. Upon completion of that degree in June 1967, Dr. Todd accepted a position on the University of Illinois veterinary faculty.

Dates to Remember

April 20 - Annual University of Illinois Veterinary Medicine Open House. Urbana, Illinois. Contact Tania Banak (217/333-2907) for additional information.

May 11 - University of Illinois Dog Symposium. Veterinary Medicine Basic Sciences Building, Urbana. Owner-practitioner programs featuring U of I staff. For additional information, contact Dr. Allan Paul (217/333-2907).

May 19 - University of Illinois Graduation Ceremonies.

October 3-4 - Annual University of Illinois Fall Conference. Saturday football foe is Ohio State. For additional information, contact Dr. Allan Paul (217/333-2907).

Alumni Notes

Dr. Delwyn V. Meyer has received the Dr. William E. Upjohn Award from the Upjohn Company for superior employee service. Dr. Meyer is manager of technical services, animal health research and development. He has been with The Upjohn Company since 1970, and received his D.V.M. from the University of Illinois in 1957. Dr. Meyer presently resides in Kalamazoo. His award citation reads: "Throughout his employment, Meyer has made consistent contributions to the activities involving research, sales support and management. Both the quality and quantity of his activities have far exceeded job requirements. He is respected by his peers in Technical Service and Research, and by the sales representatives and customers with whom he works." The Upjohn Awards have been presented annually to employees since 1938. The program is financed by income from stock set aside by the company's founder, Dr. William E. Upjohn.

Dr. Gary Stamp, a 1970 graduate, serves as secretary of the Veterinary Critical Care Society. The purpose of the VCCS is to associate and affiliate into one organization doctors of veterinary medicine, medical doctors, nurses, scientists, animal technicians and other individuals engaged in the practice of, or having special interest in the field of veterinary critical patient care; to establish and maintain high standards for the practice of veterinary critical patient care; to foster and encourage education, research and scientific program in veterinary critical patient care and to disseminate pertinent information on the subject of veterinary critical care. Dr. Stamp is stationed at Lackland Air Force Base, Texas.

Dr. Richard B. Fink, class of 1952, is serving as chairman of the AVMA's national committee on veterinary manpower. Dean Richard Dierks serves on the same committee (See College Briefs Section). Dr. Fink, who practices in Whittier, California, recently completed a term as chairman of the AVMA Executive Board.

The new president-elect of the ISVMA is **Dr. Byford Wood**, a 1960 graduate. He was selected at the ISVMA's annual meeting February 17 in Chicago. Dr. Wood practices in Breese. He has served the Southern Illinois Veterinary Medical Association as president, treasurer and meeting program chairman. He has served the state association as a representative of the SIVMA, as treasurer and as a member of the judiciary committee. Dr. Wood also served on the AVMA Council on Education accreditation site visit to the University of Illinois last fall.

Dr. Robert W. Bishop, class of 1963, was honored last fall by the Luzerne County, Pennsylvania SPCA with an engraved plaque which read "with grateful appreciation for the many services you have donated throughout the years and in recognition of your devoted concern for animal welfare." Dr. Bishop practices at the Shoemaker Avenue Animal Hospital in West Wyoming, Pennsylvania.

Dr. Jean E. Sessions of Dickerson, Maryland, has been named 1984 "Veterinarian of the Year" by the Maryland Veterinary Medical Association (MVMA) for her work in finding the cause of Potomac Horse Fever. The Association honored Dr. Sessions on November 14 at its 99th Annual Winter Meeting in Hunt Valley. She was cited "for the astuteness and relentless application of her veterinary medical training that led to the discovery of the causative agent of Potomac Fever." The disease, which kills more than 30% of the horses showing clinical symptoms, was first recognized in 1979. Since then it has increased annually in the Potomac River area that includes Maryland, Virginia and Pennsylvania. As the national research coordinator for Potomac Fever for the Morris Animal Foundation, Dr. Sessions consulted with Dr. Mio Ristic and his fellow researchers at the University of Illinois College of Veterinary Medicine on the disease. Their work eventually led to the discovery of Potomac Fever's causative agent. Dr. Sessions served as the serodiagnostic coordinator on the project. Dr. Sessions, a 1970 graduate, has been an active member of the MVMA since 1978.

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Published four times annually by the University of Illinois College of Veterinary Medicine for its students, faculty, alumni and friends.

Editors: Terry Rathgeber and Tania Banak.

Dean's Corner

A Look at College Programs

This issue of Veterinary Report finds us three months into 1985 with spring just around the corner here in Champaign-Urbana. There are several issues I'd like to bring you up to date on.

First a look back at 1984. During the fall, we completed the AVMA accreditation review and a USDA/CSRS graduate training and research review. Both reviews were exceptionally positive and recognized the tremendous growth in quality of college programs.

At this time, we find ourselves involved in the annual funding process—an area that many of you have helped with in recent years. One recommendation in this year's process that is exciting to us is the proposal for an Equine Research Center for the college. The Illinois Racing Act of 1975 identified the College as the site in Illinois for equine research and authorized the establishment of an equine research center. Over the past several years, the College has worked with colleagues in the Agricultural Experiment Station in identifying 55 acres of Experiment Station land for that purpose south of the campus. The Thoroughbred Breeders Fund and Standardbred Breeders Fund administered by the Horse Racing Programs, Illinois Department of Agriculture, has also provided funding for equine research projects carried out by the college's faculty over the past five years. The projects have dealt primarily with respiratory and reproductive disorders in horses but facilities have been a limiting factor in the types of research that can be performed.

During the past several years, the equine racing industry in Illinois has experienced a drop in revenues and tax generated by pari-mutuel wagering. This is believed to be caused both by increased competition from the Illinois Lottery and the depressed economic conditions of the past several years. In an effort to strengthen the racing industry, Governor Thompson appointed a Task Force in 1984 to study all facets of equine racing in Illinois. This Task Force was made up of the chief executive officers of a number of major corporations in Illinois and representatives of all facets of the state's equine racing industry. The Task Force and its subcommittees have completed their studies and have submitted a series of recommendations to the governor and state legislature.

Many of the specific recommendations made by the Task Force will require new revenues. This has been addressed with a recommendation that off-track betting (OTB) be established as an ongoing part of the equine racing program. Illinois currently has the fourth largest equine industry in the nation, an estimated 273,000 horses worth \$400 million, but for it to grow, the quality of horses must continue to improve. It is estimated that the equine industries generate well over \$1 billion revenue annually in the state with much of it in the agricultural sector so it is a vital component in both economic recovery and providing new jobs in Illinois.

The establishment of an Equine Research Center and relocation of the Equine Drug Testing Laboratory to Urbana are the two Task Force recommendations that most dramatically affect the college. We are proposing that the center include a series of stables, a track for physiological studies, a stallion barn, isolation barn for infectious diseases, an indoor-outdoor complex and laboratories to house the drug testing unit. The drug testing could then be coupled effectively with

research on the pharmacological action of various drugs and chemicals on the equine athlete under training conditions. The center would be similar to facilities that are in place at Cornell, Virginia and Washington State Universities.

State appropriated funds requested in the Task Force recommendations would maintain the facilities once constructed, support designated research projects and services of the drug testing laboratory. In addition to state funds, we will seek private funding to finance the cost of building construction and equipping the facility. The projected cost for the planned facilities, including equipment, is \$4.25 million. Private funding will be a key factor in the construction of the equine research center. The increased importance of private funding in today's economy is, of course, a fact that has been emphasized in the University's quest for excellence.

The support of our alumni and friends as well as the equine industry will be important in making an equine research center a reality in Illinois. Construction of such a facility would provide Illinois a research facility equal to any in the nation.

The College also established a small but important combined fund raising—public relations program last fall, the Companion Animal Memorial Fund. In this program, participating practitioners make a donation to the Companion Animal Memorial Fund in the name of an animal patient that has died. The college, in turn, notifies the owner of that pet about the donation with an appropriate personalized memorial card. This program has drawn positive responses from participating veterinarians and animal owners alike. I am pleased that the College has entered into this collaborative public relations program with you. We will fund a small research project in the companion animal area with the funds raised through the program this summer.

You'll notice a number of new faculty members and administrative changes in this issue as well as news of faculty activities. Visit us whenever you're in Champaign-Urbana, stay in touch with friends on the staff and become acquainted with our new faculty.

—Dean Richard E. Dierks.

Veterinary Pathobiology Directs PhD Program In Biotechnology

The University of Illinois at Urbana-Champaign (UIUC) campus is the recipient of a United States Department of Agriculture PhD training program in biotechnology and infectious diseases. The program will be headquartered in the Department of Veterinary Pathobiology in the College of Veterinary Medicine under the direction of Drs. John A. Shadduck and Wayne A. F. Tompkins, but will also involve the Department of Animal Science in the College of Agriculture and the Departments of Microbiology and Biochemistry in the College of Liberal Arts and Sciences. The program will provide \$95,000 for 1984-85 and will fund six new doctoral students.

The training program is a national effort by the USDA to bring top quality doctoral students into agricultural research. Biotechnology is only one of four areas involved in the program. USDA is emphasizing economics, agriculture engineering and food and nutrition research in addition to biotechnology. The biotech area is further divided between plant and animal biology.

Twenty-four faculty on the UIUC campus (18 in veterinary pathobiology and six in the Colleges of Agriculture and Liberal Arts and Sciences) will participate in the program. One major attraction on the UI campus for the USDA grant is demonstrated research expertise. The 24 scientists who are involved have research projects that total \$9.5 million in funding.

All students trained in the program will complete a modest core curriculum before selecting an adviser from the faculty who are involved. The rest of their program will be developed to meet their career interests. The students will be trained to apply basic molecular biology to animal health problems.

UI Scientists Isolate Potomac Horse Fever Cause

University of Illinois veterinary scientists isolated a previously unknown microorganism believed to cause Potomac Horse Fever, a disease that has killed many valuable horses, including race horses.

The discovery should lead to tests, treatment and preventative methods for the disease, a growing problem among horses in the Potomac River area in Maryland, Virginia and Pennsylvania, said Dr. Miodrag Ristic, professor of veterinary pathobiology at the U of I and a specialist in blood diseases.

Dr. Ristic and veterinary doctoral student Cynthia J. Holland isolated a blood-borne rickettsia believed to cause the disease and used it to reproduce the disease in a healthy horse.

Rickettsiae are small parasitic organisms found inside cells. In the evolutionary line of descent, they are between viruses and bacteria.

"The discovery of the causative agent of Potomac Horse Fever represents a major breakthrough in the development of control measures for this disease," Dr. Ristic said. "It is important because now we can develop serological tests and look for subclinical carriers—horses that are infected with the disease but don't show symptoms associated with it."

Potomac Horse Fever, also known as acute equine diarrhea syndrome, kills more than 30 percent of the horses that show symptoms. First recognized in 1979, incidence of the disease has been increasing. Although it is prevalent in the East, isolated cases have been reported throughout the United States.

The researchers believe the disease is transmitted by ticks, but Dr. Ristic cautioned that solid evidence hasn't yet been found. "Occurrence of the disease is associated with the tick season—from June to September or October," he said. In addition, ticks are known to transmit a closely related rickettsia that causes a major dog disease, canine ehrlichiosis.

The microorganism isolated from horses also closely resembles a rickettsia that causes a disease similar to mononucleosis in humans who live in Japan and other parts of Southeast Asia, Dr. Ristic said.

Symptoms of the horse disease include fever, depression, lack of appetite, low white blood cell count, colic, diarrhea, dehydration and shock. Many of the horses that recover have limited movement and are put to death for humane reasons.

The U of I research built upon previous efforts elsewhere. Various researchers found the disease

wasn't spread via contact with affected horses, food, water or feces. Others showed that the disease can be transmitted through blood transfusions under lab conditions. Many viruses and bacteria were studied, but none were found to cause the disease.

The U of I scientists' search for a blood-borne agent began about four months ago when they were contacted by Dr. Jean Sessions, a U of I alum, a Maryland veterinarian and national research coordinator on Potomac Horse Fever for the Morris Animal Foundation, Englewood, Colorado. Dr. Sessions coordinated U of I analyses of blood serum for antibodies to the disease, taken from infected Eastern horses.

She had learned about Ristic's expertise in rickettsial diseases from Col. David L. Huxsoll, a veterinarian in charge of the U.S. Army Medical Research Institute of Infectious Diseases at Fort Detrick, MD. Huxsoll is a visiting professor at the U of I College of Veterinary Medicine.

The U of I scientists obtained infected blood samples from Dr. Allan Jenny of the National Veterinary Service Laboratory, Ames, Iowa. Dr. Jenny and Dr. Robert Whitlock of the New Bolton Center, University of Pennsylvania, independently had shown the disease could be transmitted through blood transfusions.

Holland and Ristic separated out white blood cells from the infected horse's blood and were able to isolate in culture the rickettsia within these cells. The culture that contained the rickettsia was used to inoculate a susceptible pony, which acquired the disease. The rickettsia then was isolated from the latter diseased animal. White blood cells, part of an animal's defense system against infection, are killed by the rickettsia, Ristic said.

Clinical aspects of the experiment were monitored by Dr. Philip Johnson, a resident under the direction of Drs. Gordon Baker and Tom Goetz of the equine medicine and surgery section of the college. Ristic and Holland said a more appropriate name for the disease is "equine monocytic ehrlichiosis," which refers to white blood cells with a circular nucleus. This name would clearly distinguish the disease from one found in California—"equine granulocytic ehrlichiosis," which refers to white blood cells with a three-lobed nucleus.

This story was prepared by William H. Allen of the University of Illinois at Urbana-Champaign News Bureau and released by the Bureau.

New Section

Heads Named

Two University of Illinois College of Veterinary Medicine veterinarians were recently promoted to section heads. Dr. Alan H. Brightman II, associate professor in veterinary clinical medicine, and Dr. Brendan C. McKiernan, also an associate professor in veterinary clinical medicine, became the new heads of the ophthalmology and small animal medicine sections, respectively. They replace Drs. Lloyd Helper and Erwin Small, who now hold other administrative positions in the college. Dr. Helper is the associate dean for academic affairs and Dr. Small is the associate dean of alumni and public affairs.

Dr. Brightman earned his DVM degree from Kansas State University in 1974. After graduation from veterinary school, he served an internship at the University of California at Davis. In 1975, he came to the University of Illinois to serve a residency in ophthalmology and subsequently accepted a faculty position at Illinois in 1977. He earned his board certification in ophthalmology in 1978.

Dr. McKiernan obtained his DVM degree from the University of Minnesota in 1974. He then served an internship at the University of Illinois, stayed on to serve a residency as well, and became a member of the faculty in 1977. In 1980, Dr. McKiernan earned his board certification in internal medicine.

College Briefs

Three University of Illinois veterinarians recently became Diplomates of the American College of Veterinary Internal Medicine: **Dr. Gordon Brumbaugh**, teaching associate in veterinary biosciences; **Dr. Thomas Goetz**, assistant professor in equine medicine and surgery; and **Dr. Donald Krawiec**, assistant professor in small animal medicine. Internal medicine is one of fourteen national veterinary specialty boards. The specialty has three subspecialties—cardiology, neurology and internal medicine. To become a diplomate (board certified), a veterinarian must first complete an internship and residency, and then take a general qualifying examination which covers internal medicine for both large and small animals. If the qualifying examination is passed, one becomes eligible to take the certifying examination in a chosen subspecialty. Drs. Brumbaugh, Goetz and Krawiec all chose internal medicine.

Dr. Brumbaugh earned his DVM degree from Kansas State University in 1977. He then served a year-long internship at the Texas A&M College of Veterinary Medicine. Upon completion of his internship, he served a two-year equine medicine residency at the University of California-Davis and then took a position as a staff veterinarian at Kindness Animal Hospital in Nampa, Idaho. In 1982, Dr. Brumbaugh accepted his current position at the University of Illinois.

Dr. Goetz earned his DVM degree from Illinois in 1979. He then served an internship and residency at the University of Missouri College of Veterinary Medicine at Columbia. During his residency, he took a brief sabbatical at the University of Florida, Gainesville. Shortly after his return, Dr. Goetz was promoted to assistant professor at Missouri. He then accepted an assistant professorship in equine medicine and surgery at his alma mater.

Dr. Krawiec received his DVM degree from Purdue University in 1978. Earlier, he had earned an MS degree from Purdue in 1973. Following a residency in small animal internal medicine at the University of Minnesota College of Veterinary Medicine, he earned a PhD degree from that institution in 1982. Dr. Krawiec accepted a position as assistant professor in small animal medicine at the University of Illinois in 1982.

Dr. Borje Gustafsson, head of the department of veterinary clinical medicine, traveled to Cairo, Egypt January 26, where he spent a week at Cairo University, discussing cooperative programs with the Ministry of Agriculture.

Dr. Miodrag Ristic, Sonia Montenegro-James, and **Pedro Aso**, veterinary pathobiology, participated in the annual Conference on Hemotropic Diseases of Domestic Animals, held November 26 to 29 at the University of Zulia, Maracaibo, Venezuela.

Dr. Alan H. Brightman and Dr. Susan A. McLaughlin of the ophthalmology section in veterinary clinical medicine presented two papers on the results of their studies in autogenous corneal grafting in the dog at the International Society of Veterinary Ophthalmology meeting on September 19 in Hamburg, West Germany. The meeting was held in conjunction with the World Small Animal Veterinary Association meeting. **Dr. Lloyd C. Helper**, professor of veterinary ophthalmology, also attended the meeting and then presented two papers at the International Symposium on Cataract Extraction in the Dog in Toulouse, France on September 28.

Dr. Kazumo Hosida, professor of biology in the faculty of education at Yamaguchi University, Yamaguchi, Japan is spending a sabbatical with **Dr. Ken Todd** in veterinary pathobiology until June studying gregarine parasites of invertebrates.

Dr. Richard E. Dierks has been selected by the executive committee of the American Veterinary Medical Association (AVMA) to serve on their national committee on veterinary manpower. He was one of eight individuals selected from private small animal practice, large animal practice, industry, academia and the public sector to serve on the committee. Dr. Dierks will represent academia in professional and postgraduate education. The AVMA has studied the future need for practitioners while the National Academy of Science has investigated the needs in post graduate training and education. The new manpower committee has been given the charge to review both national studies and prepare a comprehensive ap-

proach to long range manpower needs for the AVMA. Dr. Dierks recently completed a six year term on the AVMA's Council on Research. He served as chairman of that group during 1983.

Five faculty members received promotions at the beginning of this academic year. In the department of veterinary clinical medicine, **Drs. Joseph DiPietro** and **Brendan McKiernan** were promoted to associate professors. Dr. DiPietro is in the theriogenology and field service section, while Dr. McKiernan now heads the small animal medicine section. **Dr. Mark Simon** was promoted to associate professor in veterinary biosciences and bioengineering, while **Dr. A. R. Smith** received a promotion to associate professor in veterinary pathobiology. **Don Fritts**, head of the biomedical communications section, was promoted to professor of veterinary pathobiology.

Three of the college's extension veterinarians authored several chapters in USDA's 1984 Yearbook of Agriculture, "Animal Health: Livestock and Pets". **Dr. LeRoy Biehl**, head of the CE/PS section and swine extension veterinarian, authored chapters on swine "Herd Health" and "Nutrition" and coordinated the entire swine section which also featured alums **Dr. James McKean** on the staff at Iowa State and **Dr. Al Leman** at the University of Minnesota. **Dr. Allan Paul**, small animal extension veterinarian, wrote about dog and cat "Nutritional Needs: Commercial Food Usually Best Idea". **Dr. R. D. Scoggins**, equine extension veterinarian, wrote chapters about horse "Respiratory Diseases", "Digestive Diseases" and "Other Common Diseases".

Former faculty member **Dr. Sandee Hartsfield** is completing a seven month sabbatical with **Dr. John Thurmon** and the anesthesiology section. A member of the clinic staff from 1974-77, Dr. Hartsfield is a professor of medicine and surgery at Texas A&M College of Veterinary Medicine.

Dr. Herbert E. Whiteley, assistant professor of veterinary pathobiology at the college, recently became a Diplomate of the American College of Veterinary Pathology. To obtain board certification, he had to pass detailed examinations on pathology. Pathology is one of fourteen national veterinary specialty boards. To become a diplomate (board certified), a veterinarian must spend at least four years studying and gaining experience in the specialty area. Candidates for certification are then examined in general, experimental and clinical pathology as well as the pathology of large and small domestic animals, laboratory animals, and poultry. Dr. Whiteley earned his DVM degree from Purdue in 1977. He completed a three-year residency in pathology at Colorado State University and received his PhD from there in 1984. Dr. Whiteley came to the University of Illinois last fall.

Two faculty members were named to the Board of Directors of the Laveran International Foundation when it was established in September 1984 in Annecy, France. **Dr. Miodrag Ristic**, professor of veterinary pathobiology, will serve as vice-president of the foundation, while **Dean Richard E. Dierks** will serve on the board of directors. The purpose of the Laveran Foundation is to contribute to research, training, and to distribute information relevant to the prevention and control of malaria and babesiosis. The name Laveran was chosen as a historic reminder of Dr. Alphonse Laveran, a French military surgeon who was the first to describe the causative agent of human malaria. The foundation's main office, under the direction of Dr. Pierre Ambroise-Thomas of the School of Medicine, University of Grenoble, who serves as a second vice-president, will be located in a building situated on Lake Annecy. The second office of the foundation will be in Urbana, Illinois under the direction of Professor Ristic. The foundation is being governed by an international board, composed of twelve individuals representing medical and veterinary sciences. In addition to Dean Dierks and Dr. Ristic, the other board participants from the U.S. are: Professor William Trager of the Rockefeller University, Dr. William Collins of the U.S. Center for Disease Control and Ms. Dorothy Jordon of the American Institute of Biological Sciences.

Dr. Lyle Hanson and **Dr. George Woods** represented the college in ceremonies at Dixon Springs Agricultural Center January 14 commemorating the transfer of some 500 acres to the University of Illinois from the U.S. Forest Service. The University of

Illinois Dixon Springs Agricultural Center (DSAC) is administered through the College of Agriculture as part of the state-wide multidisciplinary responsibility of the University of Illinois at Urbana-Champaign. Fourteen academic and 43 nonacademic staff members at DSAC carry out the field research. Additional staff and students from the University of Illinois at Urbana-Champaign and other cooperating agencies commute to DSAC for field research studies. A thirty-two member citizen's advisory committee appointed by the University Board of Trustees provide advice to the resident and commuting staff on research needs in Southern Illinois. The advisory committee is composed of one individual from each of the thirty-two southernmost counties of Illinois.

The Center land included in the exchange was originally acquired under the Bankhead-Jones Act by the Resettlement Administration in 1934. In 1939, the land was transferred to the National Forest. Interim agreements were signed at that time permitting the use of the area by the University of Illinois. Since that time a series of permits and amendments made possible the continuation of the Dixon Springs Center. Full realization of the research capability of the Center has been somewhat constrained by the permit arrangement. Since the land was not in State ownership, capital investments needed at the Center were not permitted. Increasing requirements for the use of Federal lands also limited the Center's operation.

UI Participates in Minor Drug Study

The University of Illinois College of Veterinary Medicine is one of four veterinary institutions collaborating on a project from the Food and Drug Administration (FDA). The cooperative agreement, entitled "The Consortium for Research on Minor Use Drugs," is funded among the four schools on an annual basis for \$360,000, with potential for renewal up to three years.

The four school consortium consists of the University of Illinois represented by Dr. Lloyd E. Davis, Mississippi State University represented by Drs. William G. Huber (ILL '52) and H. Dwight Mercer, Auburn University represented by Dr. W. Pedersoli, and Louisiana State University represented by Dr. Charles Short. Three additional faculty at the University of Illinois are involved in the project—Drs. Richard Beville, Gary Koritz and Carol Neff-Davis.

Most current pharmacological research centers on the major food animal species. It is hoped that this award will have a significant impact in reducing disease losses in minor food animal species, and will address the need for methodology to improve the economics of drug development for minor species. Because of the lesser economic value in the minor food animal species, there is little scientific data on drug usage and little scientific basis for drug information in the minor food animals. The objective of the consortium will not be to clear specific drugs, but to create a data base for the FDA.

Consequently, the cooperative agreement will include the active participation of Dr. Richard H. Teske, associate director for research, and Dr. David Batson, project coordinator of the Center for Veterinary Medicine, Food and Drug Administration, Rockville, Maryland.

Mississippi State University will serve as the lead institution and will focus research efforts on catfish and minor poultry species such as ducks, geese and turkeys. They will provide comparative pharmacology and toxicology expertise for all species. The University of Illinois will focus on small ruminants like sheep and goats, and will provide pharmacokinetic expertise for all species. Louisiana State University will focus on rabbits and comparative metabolism and Auburn will provide additional expertise in minor poultry species and comparative pharmacodynamics.

An additional impetus for developing the consortium on the minor food animal drug usage is the limited manpower pool that exists nationwide in the area of veterinary pharmacology. Involvement of these four schools provides a critical mass of the nation's leading comparative pharmacologists and toxicologists.

Dr. Small Withdraws From AVMA Campaign

Dr. Erwin Small has advised the Executive Board of the American Veterinary Medical Association and the House of Delegates that for personal reasons he is no longer a candidate for the office of president-elect. He expresses his sincere and deep appreciation to each of the individuals that supported his campaign through contributions and/or for the principles which he stood