



# Veterinary Preventive Medicine Newsletter

College of Veterinary Medicine, The Ohio State University

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Department of  
Veterinary Preventive  
Medicine

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Located on three  
campuses:

- College of Veterinary Medicine, Columbus, Ohio
- Ohio Agricultural Research & Development Center, Wooster, Ohio
- OSU Large Animal Ambulatory Clinic, Marysville, Ohio

## Assiut University Veterinary Faculty Visit



As part of the AERI (Agricultural Exports and Rural Incomes) Linkage project, nine veterinary faculty members from Assiut University in Egypt visited The Ohio State University from October 21<sup>st</sup> to November 20<sup>th</sup>. The faculty spent 4 weeks visiting the College of Veterinary Medicine and observing our teaching. The visit was directed towards improving overall veterinary medical education in Upper Egypt. The emphasis was placed on clinical and applied teaching as well as the outreach and engagement that our University has with communities and stakeholders. The visiting faculty spent the majority of their time as part of the fourth year clinical rotations (Preventive Medicine, Large Animal Ambulatory Field Services (Marysville), and Food Animal Medicine & Surgery). In addition to these rotation sections, they were able to observe extension teaching and other relevant laboratory courses on campus. The visit allowed OSU faculty and students to interact with colleagues from another culture, while at the same time building a foundation for possible future collaborations.

The Assiut faculty rated their experience at OSU as a perfect "5" in their overall assessment. This is the first time this rating has been achieved during the AERI Linkage project.

The AERI Linkage project is a 3-year (2003-2006) USAID-funded

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development partnership between MUCIA (Midwestern Universities Consortium for International Activities) and 2 NGO's (ACDI-VOCA and CARE). MUCIA, acting as a consortium competes for projects where the combined expertise of the member universities can be used for purposes of international development. In the current AERI project, the University of Illinois is the lead institution. Our Department's direct link to the program is through OSU's Office of International Programs in Agriculture. The aim of the AERI project is to enhance the income of smallholder farmers in Upper Egypt by strengthening the competitiveness of Egypt's horticultural and livestock sectors through increased exports to Europe and increased milk production for the domestic market.



## Dr. Cliff Monahan's Visit to Egypt



I've just returned from 2 weeks in Egypt as part of the faculty exchange facilitated by the Midwestern University Consortium for International Activities (MUCIA) AERI project. I spent the better part of my 2 weeks working with faculty members of the veterinary college at Assiut University, located on the Nile River about 400 km south of Cairo. The principal objectives of this component of the MUCIA program are to improve the veterinary curriculum and to foster the development of 'private practice' in the Egyptian veterinary profession. I also held a workshop for faculty in the College of Agriculture at Cairo University.

As a little background, Egyptian students are assigned their future careers based on grades and test scores during their final year of high school. The most academically successful students are assigned to medical school, then pharmacy, engineering, etc., in a hierarchy of post-secondary training that runs 5-6 years, depending on particulars of the program. If a student wants a college education in Egypt, funded by the Egyptian government, they take what they are assigned or decline a college education. This system has been in place since the late 1950s or early 1960s when President Abdul Nasser reworked Egyptian society following the revolution that ousted King Farouk.

After their 1st year at university, students can opt out of their career path by choosing a lower ranking program, such as law or business, but students may not move up, even with stellar academic performances. Egypt also trains vastly more veterinarians than the workforce can assimilate, as virtually all veterinarians work for the Egyptian government, another legacy of Nasser's socialism: in the past every Egyptian who graduated from college had a job, but that has changed and many new graduates now cannot find employment. The class size overwhelms the available resources to teach or train students with necessary clinical skills, diluting the effectiveness. After graduation, a handful of veterinarians work for large, private farms, and a small number works within pharmaceutical or research firms, but very few rewarding jobs are available for the majority of Egyptian veterinary students at the end of their educational path. The emphasis on veterinary training in Egypt is livestock: cattle, buffalo, camels, sheep and goats. There is no private practice as we know it, with the possible exception of some elite facilities in Cairo that serve the pets of the diplomatic and international business communities.

The MUCIA program brought 9 veterinary faculty members from Assiut University to Ohio State for a 4-week program exposing them to different teaching methods and clinical rotations that our students follow. They loved it all, but Marysville Ambulatory and their exposure to private ambulatory practices was really what drew their interest. Another revelation to the Egyptian visitors was the concept of extension work. We take for granted that land grant universities perform agricultural research and get those results to the field quickly through extension agents. Unfortunately many Americans are unaware that this is what has fueled American agricultural superiority in crops and livestock. The Egyptians grasped this concept immediately and began formulating extension programs of their own. They also fell in love with the idea of an ambulatory practice, and together, this has spawned a possible next phase of development for the Assiut faculty. So, our collective goal now is to facilitate the ambulatory practice and extension programs with the Assiut faculty. In summary, I had a wonderful time and feel this is a fulfilling program with tangible results in store for our Department and College.

Inshalla, Cliff Monahan, DVM, PhD

## Adjunct Faculty:

### Sugarcreek Veterinary Clinic



**L to R Drs. Travis Thompson (OSU 04), Jim Honigford (OSU 90), Melissa Reddick (OSU 05), Jeremy Rogers (OSU 05), Michelle Santangelo (OSU 04), Phil Kelch (OSU 03), Rick Daugherty (OSU 83), Shane Donley (OSU 95)**

The Sugarcreek Veterinary Clinic was purchased in 1985 from Dr. Bill Edgar. Dr. Edgar and Dr. Donald (Gene) Miller had conducted the practice together since the 1950's. A new clinic was built in 1998. Students from our preventive medicine rotation have been completing selective days in the practice since 1991. The current practice has approximately 380 dairy clients, ranging from small Amish herds to a 1,200-cow dairy. There is division of species responsibilities within the practice. Dr. Kelch does 100% small animal while Drs. Daugherty, Honigford, and Donley only do large animal work.

The 9 Egyptian faculty members visited the Sugarcreek Veterinary Clinic because it is part of our teaching program. They struggled with the concept of private enterprise and asked several times about the extent to which the state funded the practice.

Our adjunct faculty at the Sugarcreek Veterinary Clinic attempt to get visiting students thinking of solving health problems from the herd standpoint. For example, if they visit a herd to see a sick cow with retained fetal membranes they might quiz the student as to whether this might really be a herd issue or an individual cow problem. That is, what is the incidence, what might be causative factors, and what might be done for prevention. The Doctors stress the problem solving approach and tailoring preventive medicine programs to the needs of the individual farm. One measure of success of the teaching program at Sugarcreek is that 4 of the students who spent a selective day in Sugarcreek from our last 2 graduating classes are now associates in the practice.

*The Department of Veterinary Preventive Medicine employs adjunct faculty whose experience, credentials, and teaching capabilities add value to the education of veterinary students. Fourth year students taking part in the veterinary preventive medicine clinical rotation have the option to visit an adjunct practice in-place of one of the pre-planned selective experiences.*

## Dolores Fischer to Retire



Mrs. Dolores Fischer will officially retire from the Department of Veterinary Preventive Medicine on January 31<sup>st</sup>. Dolores has worked as an Office Assistant in the Department since June of 1981. Prior to joining the Department, she worked for OSU Hospitals from 1964-66. She will miss the interaction with students and the people associated with the Department.

Dolores is looking forward to spending more time with her family. Friends may contact her at [fisher.6@osu.edu](mailto:fisher.6@osu.edu) or write her at 1920 E Choctaw Drive, London OH 43140.

## Welcome Dr. Lee



We are pleased to welcome Dr. Chang Won Lee as an Assistant Professor in the Department's Food Animal Health Research Program located on the OARDC campus in Wooster. Dr. Lee received his DVM in 1996 and his MS in 1998 from Seoul National University in Korea. He received his PhD in 2001 from the University of Georgia. Prior to joining the Department, Dr. Lee was a microbiologist at the Southeast Poultry Research Laboratory in Athens, George. Dr. Lee's expertise and research interests are in the area of avian influenza. [lee.2854@osu.edu](mailto:lee.2854@osu.edu)

# Faculty Position Changes



Dr. Rich Meiring (OSU 1972) has relocated from Marysville to Columbus to serve as an Assistant Professor-Clinical and provide service to the ODRC (Ohio Department of Rehabilitation and Correction) farm and foods system. The ODRC farm/food system includes 11,027 acres and 10 farms with livestock. Included are approximately 700 dairy cows, 1,300 beef cows, 400 sows, and 3,200 fed cattle. The system maintains a Grade A milk processing plant and a slaughter facility. Dr. Meiring joins Dr. Fernando Silveira in providing health maintenance to ODRC herds and assuring a safe food supply for the system's 42,000 inmates.

In addition to teaching students while visiting the ODRC farms, Dr. Meiring is extensively involved in the classroom. His current teaching responsibilities include the MPH program, the preventive medicine core courses for 3<sup>rd</sup> year students, the VM 700.08 clinical preventive medicine rotation, and a production medicine elective co-taught with Dr. Maurice Eastridge of the Department of Animal Sciences. He also presents lectures in Dr. Neer's practice management elective and in the Department of Animal Sciences.

Dr. Meiring joined the faculty as a clinician with OSU Large Animal Services in 1998. Prior to joining the Marysville Ambulatory Clinic, he practiced in Fort Recovery, Ohio. Dr. Meiring is a past president of the American Association of Bovine Practitioners.



Dr. Fred DeGraves (DVM, MSU 1983; PhD, NCSU 1991) has been a clinician working with the ODRC dairy herds since 2003. His responsibilities will now change to include an appointment of 0.65 FTE for research in Agro-Preparedness and more classroom teaching. His teaching responsibilities will include an agro and bio defense module in the clinical preventive medicine rotation and leading the environmental health core course in the MPH-Veterinary Public Health program. Prior to joining our Department, Dr. DeGraves had been a faculty member at Auburn University for 12 years.

## New Selective Rotations

For the past 2 years 4<sup>th</sup> year students have been able to choose two, 2-week blocks during their clinical year to take "Selective Rotations". In most cases, students use this opportunity to re-take a rotation in the clinic. Students with interests in population medicine and public health are often best served by selecting approved experiences off-campus. This year approved preventive medicine selective rotations include: Columbus Zoo, Cleveland Metroparks Zoo, Ohio Department of Agriculture Meat Inspection Program, USDA-APHIS in Pickerington, Ohio, Michigan State University-Green Meadows Dairy Rotation, University of Nebraska – Great Plains Veterinary Education Center, and Iowa State University – Swine Diagnostic Medicine Rotation.

# GRADUATE STUDENTS



## News from the Graduate Program

**Dr. Päivi Rajala-Schultz**

**Chair, Graduate Studies Committee**

### Six students graduated during Autumn Quarter, 2005:

NAME	DEG	ADVISOR	RESEARCH TOPIC
Andrew Bowman	MS	Julie Funk	The Prevalence of <i>Yersinia Enterocolitica</i> in Swine Production
Sylvia de Camps, DVM	MS	Bill Saville	Seroepidemiology of <i>Toxoplasma gondii</i> in Zoo Animals and its Relation with the Feral Cat Population in Selected Zoos in the United States
Kathryn Dodson	MS	Jeff LeJeune	Transfer Frequency of CMY-2-Encoding Plasmids Among Fecal Flora of Pigs
Monique Morgan	MS	Valerie Bergdall	Evaluation of the Influence of Individually Ventilated Cages and Micro-isolator Cages on the Reproductive Performance of Mice
Christopher Thomas, DVM	MS	Linda Saif	Bovine Enteric and Respiratory Viruses: Studies of Bovine Enteric Calicivirus and Bovine Coronavirus
Amy Wetzel	PhD	Y. M. Saif & Jeff LeJeune	Role of European Starlings in the Dissemination of Shiga Toxin-Producing <i>Escherichia Coli</i> 0157:H7 among Dairy Farms



# News from the MPH-VPH Program

**Dr. Armando Hoet**  
**Program Coordinator**

The Veterinary Public Health Specialization towards the Master of Public Health Program (MPH-VPH) just completed its inaugural quarter. Sixteen students are currently enrolled in the program.

The Ohio State University

College of Veterinary Medicine

School of Public Health

Applications for enrollment in Autumn, 2006 will be accepted until May 30<sup>th</sup>, 2006. If you would like more information about this degree, its requirements and/or the application process you can visit the MPH-VPH web page: <http://vet.osu.edu/vetpublichealth.htm>, the School of Public Health web page: <http://sph.osu.edu/>, or contact the VPH Coordinator, Dr Armando Hoet ([hoet.1@osu.edu](mailto:hoet.1@osu.edu) or 614-292-0684).

# AWARDS / HONORS



## CRWAD Awards

*The annual meeting of the Conference of Research Workers in Animal Disease was held December 4-6 in St. Louis, Missouri. The following graduate students received recognition:*



**Linda Lord, DVM (OSU 99), MS (OSU 99)** (PhD candidate, Advisor: Dr. Tom Wittum) – received two awards by presenting two separate papers in the oral presentation portion of the Association of Veterinary Epidemiology and Preventive Medicine competition. Her presentations were entitled “An analysis of factors associated with recovery of a lost pet” and “An analysis of demographic trends for animal care and control agencies in Ohio”. Dr. Lord is currently pursuing a PhD in Veterinary Epidemiology through an Animal Shelter Medicine and Management fellowship from the Kenneth A. Scott Charitable Trust, A KeyBank Trust.



**Audrey Torres, DVM, MS** (PhD student, Advisor: Dr. Päivi Rajala-Schultz) – won the Association of Veterinary Epidemiology and Preventive Medicine competition for her oral presentation entitled “Maintaining udder health in low somatic cell count cows treated selectively at dry-off”. Dr. Torres is planning to complete her PhD degree in 2007. She has been on leave from Universidad Centroccidental “Lisandro Alvarado” - UCLA in Barquisimeto, Venezuela where she is an Assistant Professor in Dairy Science in the College of Veterinary Medicine.



**John Schaefer, DVM (TAMU 00)** (PhD student, Advisor: Dr. Bill Stich) – was awarded third place by The Society for Tropical Veterinary Medicine and the American Association of Veterinary Parasitologists. His presentation was entitled “Preliminary observations of antibiotic efficacy associated with different means of experimentally infecting dogs with *Ehrlichia canis*.” Dr. Schaefer was formerly a Graduate Research Associate in the Department for Dr. William Stich. In September, Dr. Stich accepted a faculty position in the College of Veterinary Medicine, University of Missouri. Dr. Schaefer is currently completing his PhD studies in the OSU Department of Entomology. For this quarter he will be returning to our Department to present the parasitology lectures in the College’s core course for first-year students, Biology of Disease.



## OSU Extension Awards



**Dr. Teresa Morishita**, Professor and Extension Poultry Veterinarian, was awarded the 2005 Excellence in Extension Award at the Annual Conference held on December 13-14 in Worthington. The Excellence in Extension Award, given annually since 1992, recognizes a superior Extension educator and the importance of teaching, research, and service to Extension programming. Recipients exemplify the motto of "Bringing Knowledge to Life" and are awarded a plaque and a cash award of \$1,000 plus the addition of \$1,000 to their base salary. Dr. Morishita has served as an Extension Poultry Veterinarian since September 1994.



**Dr. William Shulaw**, Professor and Extension Veterinarian, Cattle & Sheep; was awarded a State Personnel Service Award. This award is given to a State Extension Specialist who has provided exemplary service over the past year.

## Staff Career Development



**Amna El-tayeb, DVM, PhD**, a Post-Doctoral Researcher with Dr. Teresa Morishita, was the recipient of a 2006 OSU Staff Career Development Grant. The OSU Staff Career Development Grant Program, administered by the Office of Human Resources, provides financial support up to \$500 to university staff pursuing career and professional development opportunities. Dr. Amna El-tayeb will be using this \$500 grant for her participation in the Ohio LEAD Program, a program to develop and promote up-and-coming agricultural leaders in the State of Ohio.



**Jordan Schaul, MS**, was selected as a Fellow for the Conservation Science Institute (CSI) as a result of his dissertation research involving bear health under the advisement of Dr. Teresa Morishita. There are only 18 CSI fellows nationally and they are engaged in a variety of international ecological and environmental research projects aimed at facilitating the recovery of imperiled wildlife species and ecosystems. The CSI Fellows, along with CSI staff, help to resolve

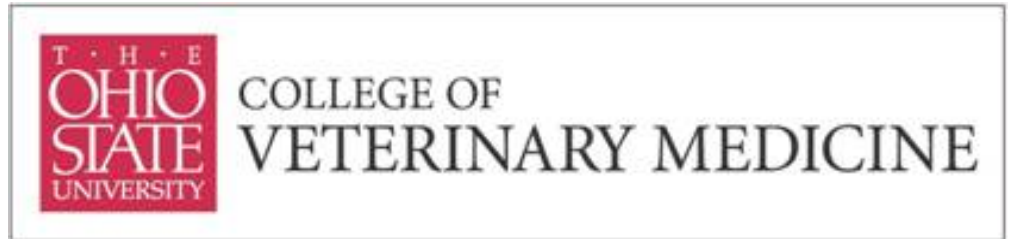
emerging ecological dilemmas by collaborating on respective research issues occurring globally.

## Reminder: ACVPM Board Examination to be held at OSU

# ACVPM.Org

American College of Veterinary Preventive Medicine  
Established 1950

*The Department will be hosting the American College of Veterinary Preventive Medicine (ACVPM) board examination on the OSU College of Veterinary Medicine campus on June 15-16, 2006. It is expected that about 40 candidates from across the United States will sit for examination to gain Diplomate status.*



## CONTACT INFORMATION

We continue to receive feedback and comments from departmental alumni from all over the world. We greatly appreciate this, and would like to hear from more. Please let us know that you are receiving this newsletter and give us an update on yourself.

The *Veterinary Preventive Medicine Newsletter* is published electronically on a quarterly basis. It is primarily distributed to College faculty, VPM graduate students, departmental alumni, former and retired faculty, and others who have been or are currently associated with the Department.

**Please submit e-mail addresses, articles, and comments/suggestions to Jeff Workman, Extension Program Assistant, at [workman.45@osu.edu](mailto:workman.45@osu.edu) or 614-292-9453.**

- For more departmental information please visit our web site: <http://www.vet.ohio-state.edu/preventivemedicine.htm>
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