Adjunct Faculty:

Drs. Dave & Phil Lowe of Beverly Veterinary Services

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 the pre-planed selective experiences. In future issues of the Veterinary Preventive Medicine Newsletter we will feature an article highlighting one of our adjunct practices.

Beverly Veterinary Services is a 2 person exclusive large animal practice started by Dr David Lowe (DVM, OSU 1957) in 1957, and joined by his son Phil (DVM, OSU 1983) in 1983, in Beverly, Ohio. The practice is more than 95% bovine and of that about 50% is dairy, 30% cow-calf, and 20% feedlot/stocker. The emphasis of the practice is on production medicine as well as offering traditional sick cow veterinary service to clients in Washington, Morgan, Noble, Guernsey, and Monroe counties of Ohio, as well as Wood and Pleasant counties in West Virginia. The goal of the practice is to provide a wide array of production medicine services including
reproduction services to beef and dairy, including bull breeding soundness evaluations, pelvrimetry, and synchronization programs, mastitis consulting including in-house mastitis culturing, nutrition consulting and ration evaluation to dairy and beef clients, and records analysis. The practice also offers traditional vaccination and parasite control consultation, along with sick and emergency veterinary services. One area of interest is control of bovine respiratory disease in feedlots by concentrating on not only vaccination but environmental control, nutrition, and management practices to reduce stress to new arrivals. Another area of interest is control of mastitis through environmental control and cow comfort as well as proper and consistent milking prep and parlor throughput. Nutrition consulting is also a big area of interest for both Drs. Lowe.

The practice became affiliated with the Department as an adjunct experience in 1993. When students visit the practice they try not to alter their normal schedule in any way, so that the students get a taste of what rural food animal practice is like. During their stay, students are introduced to the philosophies of the practice with emphasis placed on business decisions such as economics of private practice, and how and why charges are made for services. Discussion also focuses on treatment protocols that we design for dairy and feedlot clients. The rest of the day is discussion of the work and cases seen that day. Due to the diversity of the practice, students are exposed to a wide array of bovine medicine with no two receiving the exact same experience. (Editor’s note: Students give their experiences with the Lowe’s the highest evaluations.)
The VPM teaching team recently expanded its role in addressing homeland security issues with the addition of a veterinary emergency response training (VERT) module to the VM 700.08 Veterinary Preventive Medicine senior rotation. The purpose of the module is to familiarize 4th year veterinary students with the “All Hazards” emergency response approach that has been outlined by the National Response Plan under the auspices of the Department of Homeland Security.

The VERT module covers a variety of issues related to homeland security, including the role of veterinarians working with the first responder community, Homeland Security Presidential Directives, the National Response Plan (NRP), the National Incident Management System (NIMS), the Incident Command System (ICS), weapons of mass destruction (WMD), biosecurity and agricultural security issues, sampling and evidence collection, personal protection equipment (PPE), decontamination procedures, and medical triage procedures. The module culminates with the veterinary students organizing and conducting a livestock facility investigation under PPE level C conditions. The VERT module was developed by Dr. Fred DeGraves with much appreciated assistance from Timothy Moore, USDA-APHIS Liaison to the Department of Homeland Security, Anniston, AL.

Currently, Dr. Fred DeGraves (DVM, MSU 1983; PhD, NCSU 1991) is an assistant professor, clinical dairy specialist. He joined the department in 2003 following four years of private practice with Dairyland Animal Health, Inc., Weyauwega, WI and twelve years as a dairy clinician with Auburn University. Dr. DeGraves recently accepted a research-intensive veterinary public health position within the Department that will be focused on agricultural security issues.
Jack Hanna Speaks to College

The Veterinary Preventive Medicine Graduate Student Association invited Jack Hanna, Director Emeritus of the Columbus Zoo, to speak to the College of Veterinary Medicine on September 26th in the Veterinary Teaching Hospital Auditorium. “Jungle Jack” Hanna is the host of the television series, Jack Hanna’s Animal Adventures. Mr. Hanna spoke about animals and their place in today’s society. He talked about future veterinarians and some of the challenges that they will face. He also displayed some live animals as well as some short video clips of his work with different animals from around the world. The event was preceded by a presentation and refreshments provided by the U.S. Army Veterinary Corps.

Special Assistant to the Dean

Dr. Grant Frazer, Associate Professor and Extension Veterinarian, has been appointed (0.25 FTE) as Special Assistant to the Dean for Business Opportunities. Dr. Frazer brings a unique strength to the College of Veterinary Medicine, namely, an MBA degree from the Fisher College of Business and service on the University Senate Fiscal Committee. Dr. Frazer will provide the College with leadership, advice, and guidance on optimizing the efficiency of operations and identifying new business opportunities that support the College mission and strategic plan. Please feel welcome to forward suggestions to Dr. Frazer for improvements to business operations or services. He will also be available to facilitate development of business plans for college earnings operations. Dr. Frazer will continue his role both as Extension Veterinarian for reproduction (0.40 FTE) and as a teacher in the professional curriculum.
Editor for the Journal of Zoo and Wildlife Medicine

Dr. Teresa Morishita, Professor and Extension Poultry Veterinarian in the Department, has been selected as the next Editor of the Journal of Zoo and Wildlife Medicine. In addition to her Extension and teaching responsibilities, Dr. Morishita currently serves as the Director of the Avian Disease Investigation Laboratory and the Laboratory for Wildlife and Environmental Health in the Department. She has also served as a co-advisor for the Raptor Rehabilitation Program and currently teaches advanced avian medicine and wildlife disease ecology. She has studied the pathogenesis and epidemiology of Pasteurella multocida in a variety of animal species, and the epidemiological role of Salmonella and Campylobacter spp. with regard to public health implications. Her graduate students and research staff are involved in such research projects as an AZA Bear Tag-endorsed captive bear health and management study; a field study on the parasite and bacterial presence in free-ranging bears; a health survey of migratory passerines through Lake Erie (Ohio); and evaluating the public health implications of Canada geese. For the coming year, Dr. Morishita has assumed team-leadership responsibilities for the core course, Avian and Other Nonmammalian Species targeted to 2nd year students.

Council on Education

The AVMA, through its Council on Education (COE) is recognized by the United States Department of Education and the Council for Higher Education as the accrediting agency for colleges and schools of veterinary medicine in the U.S. The COE’s mission is to use the Standards for Accreditation to fairly and accurately evaluate DVM veterinary medical education programs. The Council consists of 20 members, each whom serves a 6 year term, representing the breadth of the profession and the public. At this summer’s AVMA convention, Dr. Kent Hoblet was elected to a 6-year term on the COE representing veterinary preventive medicine.
Ohio Public Health Leadership Institute

A team comprised of members of the Departments of Veterinary Preventive Medicine (Dr. Amna Eltayeb, Dr. Teresa Morishita, Jordan Schaul, Lori Marin, & Peter Kobalka) and Veterinary Clinical Sciences (Dr. Walter Threlfall) was selected to participate in the 2005-2006 Ohio Public Health Leadership Institute. The Institute is a twelve-month leadership development program to develop leaders in the public health arena and to focus on an issue of local public health concern. The team will focus on developing awareness of zoonotic diseases transmissible between wildlife and humans. The Institute is organized by the Ohio Department of Health and is funded through the Centers for Disease Control and Prevention in cooperation with the Association of Schools of Public Health.

ACVPM Board Examination to be held at OSU

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.
Sheep and Goat producers are currently dealing with the problem of controlling for internal parasites. There are currently only three classes of drugs (dewormers, drenches) available and many flocks have developed resistance to one or more of these classes. It is unlikely that any new class of dewormers will be marketed for sheep and goats in the near future. It is essential that producers effectively use dewormers and do not indirectly create drug resistant parasites. The most readily available method to determine the effectiveness of a dewormer and assess the parasite contamination being applied to pastures is by using qualitative fecal egg counting techniques. The process involves mixing a sample of feces with a concentrated or salt solution that has a relatively high specific gravity. The floating eggs can then be identified and counted by using a microscope.

Dr. Bill Shulaw (Extension Veterinarian & Professor in the Department), Mr. Jeff McCutcheon (Knox County Extension Educator), and Ms. Cathy Bremer (Research Assistant in the Department) hosted a Fecal Egg Count Workshop in which producers were trained to properly perform their own FECs. Participants purchased their own microscope and were provided with a scale and the other items needed to effectively perform routine FECs at home. The workshop was held on July 6th with 15 participants representing ownership of over two thousand sheep and goats. A follow-up session was held on September 7th with 5 participants returning. The workshops allowed participants ample time and individual attention to learn the correct techniques and practice recognition and proper identification of parasite eggs.
Three students graduated during Summer Quarter, 2005:

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<thead>
<tr>
<th>NAME</th>
<th>DEG</th>
<th>ADVISOR</th>
<th>RESEARCH TOPIC</th>
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<tr>
<td>Shamaila Ashraf</td>
<td>PhD</td>
<td>Y. M. Saif</td>
<td>Studies on the Infectious Bursal Disease Virus</td>
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<td>Taradon Luangtonkum</td>
<td>PhD</td>
<td>Teresa Y. Morishita</td>
<td><em>Campylobacter</em> spp. in conventional and organic poultry operations</td>
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<tr>
<td>Trang Van Nguyen</td>
<td>PhD</td>
<td>Linda Saif</td>
<td>Rotavirus Vaccines and Impact of Maternal Antibodies and Cytokines on Neonatal Immune Responses in Swine</td>
</tr>
</tbody>
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New Graduate Students entering Autumn 2005:

Jamie Berning, BS (advisor: Dr. Funk)
Olivia English, BS (advisor: Dr. Jackwood)
Lindsey Long, DVM (advisor: Dr. Dennis)
Lori Martin, BS (advisor: Dr. Morishita)
Jennifer Walker, DVM (advisor: Dr. DeGraves)
James White, BS (advisor: Dr. Funk)

The Graduate Student Orientation was held on September 19th, followed by the annual picnic on September 30th held at the Highbanks Metro Park.
Veterinary Public Health Specialization Update

The Veterinary Public Health Specialization towards the Master of Public Health Program (MPH-VPH) is off to a tremendous start. Sixteen students were admitted to the program and began classes on September 22nd.

The following is a breakdown of their educational background:

Previous Institution: 12 OSU, 1 Findlay Univ, 1 Miami Univ, 1 Ohio Univ, and 1 BGSU

Previous Degree: 14 BS, 1 MS, and 1 BA

Average GPA: 3.26

The following students are currently enrolled in the program. Aimee Brooks, Daniel Bucklan, Janet Buffer, Jennifer Crosby, Rory Daley, Angela Dunson, Melissa Gossett, Rebekah Harvey, Marissa Hofstetter, Amanda Johnson, Amy Kranch, Muriel Leas, Justin Morgan, Amanda Rodgers, Heidi Schultz, and Jeremy Welsh.

The MPH-VPH program is currently accepting applications for next year. If you have any questions or are interested in applying, please contact the program coordinator, Dr. Armando Hoet (hoet.1@osu.edu).
AWARDS / HONORS

ACVPM Distinguished Diplomate Award

Gary Bowman, DVM (OSU, 1967), Associate Professor-Emeritus, received the Distinguished Diplomate Award from the American College of Veterinary Preventive Medicine (ACVPM) during its general membership meeting in Minneapolis on July 18, 2005. The award was presented to Dr. Bowman for 7 years of service (1998-2005) on the Examinations Committee, the last two of which he served as committee chair. Dr. Patricia Scharko, ACVPM president, presented the award plaque to Dr. Bowman. At the same meeting it was announced that Dr. Bowman has been elected to serve as Councilor for the term 2005-2008.

Dr. Bowman officially retired from the Department December 31, 2003. However, since March 1, 2004, he has continued to work part-time teaching in the Preventive Medicine rotation (VM 700.08), the public health core course, and the swine elective course. He also continues to assist with the Extension 4-H youth program.

AVMA Public Service Award

Dr. William Ingalls, DVM, MS, (OSU, 1942; OSU, 1947) Professor Emeritus, received The AVMA Public Service Award at the association’s Minneapolis meeting in July. The Public Service Award, established in 1968, was initiated by the Council on Public Health and Regulatory Veterinary Medicine to recognize a veterinarian for long terms of outstanding public service or unusual contributions to the practice or science of public health and regulatory veterinary medicine.

In addition to his service on the AVMA’s Council on Public Health, Dr. Ingalls served as vice-president of the AVMA from 1985 to 1987. He served as Health Commissioner in the Pickaway County Health District from 1988 to 1993. He also served on the Policy Review Committee for the Joint Solid Waste Management District and the Peer Review Committee at the Ohio Department of Health.

Dr. Ingalls was professor and Extension Veterinarian (Swine) in the Department from 1974 until he officially retired in 1988. Since retirement he has continued to maintain an office in the Department and has remained involved in teaching and Extension activities.
2005 Food Hygiene Veterinarian of the Year Award

Colonel Jack Fournier, DVM, MS (OSU, 1976; OSU, 1985) was selected by the American Association of Food Hygiene Veterinarians (AAFHV) as the Food Hygiene Veterinarian of the Year for his exceptional commitment and meritorious service. The award was presented to Dr. Fournier at the AAFHV General Membership meeting in Philadelphia on July 18, 2005. Dr. Fournier currently holds the rank of colonel in the U.S. Army and is the Chief of the Army Veterinary Corps, as well as Veterinary Advisor to the Defense Logistics Agency.

Dr. Fournier received his MS degree from the Department in 1985 with Dr. Jack Gordon serving as his advisor.

Karl F. Meyer - James H. Steele Gold Head Cane Award

Will Hueston, DVM, MS, PhD (OSU, 1980; OSU, 1980; OSU, 1985) received the Karl F. Meyer – James H. Steele Gold Head Cane Award at the ACVPM Annual Convention held in Minneapolis on July 16. The award recognizes and honors the achievements of an individual concerned with animal health that have significantly advanced human health through the practice of veterinary epidemiology and public health.

Dr. Hueston received both his DVM and MS from OSU in 1980 (advisor: Dr. Nolan Hartwig) and his PhD (major advisor: Dr. Larry Heider) from the Department in 1985. He was an assistant professor in the Department from 1985-87. Currently, Dr. Hueston is the Director of the University of Minnesota Center for Animal Health and Food Safety and a Professor in the College of Veterinary Medicine and School of Public Health at the University of Minnesota.

Pork Safety Meeting

Andrew Bowman, VME III (DVM/MS dual degree student; Advisor: Dr. Julie Funk) received first place in the graduate student presentation competition at the 6th SafePork Conference held in Rohnert, California on September 6-9. The conference is an international meeting that focuses on food borne pathogen epidemiology and control in swine and pork.
Dr. Rich Meiring, DVM (OSU, 1972) Assistant Professor-Clinical, concluded his duties as president of the 6,000 member American Association of Bovine Practitioners at the group’s annual convention held September 23-25 in Salt Lake City.

**GRANTS / CONTRACTS**

**Monsanto Dairy Experience is a Big Success**

The Externship Program conceived through a joint effort of the Ohio Dairy Veterinarians, The Ohio State University, and Monsanto Dairy Business is one of the most successful programs of its kind according to Dr. Jean Sander, Associate Dean of Veterinary Student Affairs and Professor in the Department. This program arose to encourage more students to consider rural practice in order to increase the number of veterinarians available to
serve rural America.

The externship program was developed to provide financial support to students to spend at least a week or two with a rural practitioner to explore this employment opportunity. Fourteen students participated in the program during this, its inaugural year. The evaluations from students and practitioners supported Dr. Sander’s enthusiastic review of the year. “The Monsanto externship is a wonderful program…I hope the program continues” were the comments from one student, another wrote “Dr. XXX was a wonderful mentor, we talked about ethical and economic questions facing veterinarians and dairy farmers, this externship was extremely beneficial”.

Some comments from veterinarians included “…an exceptional student, her eagerness to learn and attitude will make her a wonderful veterinarian.” Another veterinarian wrote “I was impressed with the student’s technical, clinical, and professional skills in the field for the stage of his education; he was a pleasure to work with.”

The College and the Department extend their thanks to Mark Armfelt, DVM (OSU, 1977), DABVP, Monsanto Dairy Business, and current president of the Ohio Dairy Veterinarians for securing funding and providing leadership for this program. Previously, Dr. Armfelt had been in private practice in Martinsburg, Ohio and for many years had served as an adjunct faculty member in the Department.

## New Research Funding
**(Since July, 2005)**

<table>
<thead>
<tr>
<th>P.I.</th>
<th>PROJECT</th>
<th>FUNDING AGENCY</th>
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<tr>
<td>Dr. Daral Jackwood</td>
<td>Antigenic Drift in Infectious Bursal Disease Viruses.</td>
<td>U.S. Poultry &amp; Egg Association</td>
<td>$72,318</td>
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<td>Dr. Daral Jackwood</td>
<td>The Potential of an Infectious Pancreatic Necrosis Virus VP2 Fragment for the Immunization of Chickens Against Infectious Bursal Disease Virus.</td>
<td>DIVERSA Corporation</td>
<td>$29,111</td>
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<td>Dr. Teresa Morishita &amp; Dave Latshaw</td>
<td>Backyard Poultry Intestinal Parasites and Nutritional-based Treatments.</td>
<td>OSU Poultry Endowment</td>
<td>$6,000</td>
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</table>
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 or 614-292-9453.

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

➢ View past issues in our newsletter archive: http://www.vet.ohio-state.edu/983.htm