



NEWSLETTER

AMERICAN SOCIETY FOR VETERINARY CLINICAL PATHOLOGY

August 2004

Newsletter #3

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Important Dates

November 13-17, 2004 Annual ASVCP/ACVP Meeting, Orlando, Florida
November 15, 2004 ASVCP Annual Business Meeting, Orlando

President's Message:

Colleagues,

Presidents are supposed to write something clever and encouraging to the Society each newsletter. My previous comments have been to point out what some of our members have done and are doing to help the ASVCP and clinical pathology in general. I should add Mary Christopher to that list. I have continually been impressed with her foresight and what she has done for our journal (and many other areas). That includes most

recently arranging for a very large donation to the ASVCP related to the journal. More will come on that when it has been finalized. We see her success in bringing the journal to MEDLINE, on line, and her ideas for the future mean that it only will get better. My worst fear was that she would quit before I finished my year as president. The ASVCP continues to excel based on the efforts of its members. It will be a very good year, despite who is president.

Another unfinished task is to write something in response to a comment of previous ASVCP president (name excluded) when I was secretary-treasurer 10-15 years ago. He stated at an executive board meeting then that clinical pathology was an outdated specialty on its way out. That kind of comment comes often from those who do not value the routine services we provide. The large and increasing volume of submissions to our laboratories and our large teaching loads are evidence of the basic value we are to veterinary medicine. It is true that our teaching and service loads keep many of us from prominent research careers, but many of us have successes in research as well. I have been a generalist my whole career and have helped a huge number of veterinarians and patients over those 30 years. I have and continue to teach and diagnose cases in two new jobs in Sweden. That includes a private veterinary hospital that took a chance on hiring a retired professor of pathology 3 years ago. Hopefully my son will find a career that is as rewarding and flexible. Chairpersons and deans should value the daily consistent effort of those providing diagnostic service and teaching. Animal owners and the veterinarians we serve certainly do. This is not to diminish the value of research, but to emphasize that society expects and requires immediate care of its animals. Clinical pathologists support that care daily and teach all veterinarians a significant part of their diagnostic skills. Clinical pathologists specialize in diagnosis and are thus very qualified in teaching diagnosis. The birth of the new European College of Veterinary Clinical Pathology is aiding the development of our specialty in Europe. We are of great value.

See you in Orlando at a rewarding annual meeting,

Harold

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ASVCP Election Results

Congratulations to the winners of the 2004 ASVCP election! Judith Radin (The Ohio State University) is our President-elect. Holly Jordan (GlaxoSmithKline) is our new First Year Executive Board Member. Judy and Holly will be installed at the ASVCP Annual Business Meeting, to be held in Orlando in November.

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39th ASVCP / 55th ACVP Annual Meeting
November 13-17, 2004
Orlando, Florida

Saturday, November 13, 2004

- 8 am-5 pm** **ASVCP Pre-meeting Workshop**
Design and Interpretation of Method Evaluation Experiments
Leader: David Rhoads
Workshop Chair: Joanne Messick
- 6 pm-8 pm** **Teaching Clinical Pathology**
Continuing Education in Clinical Pathology for the General Practitioner:
What, Where, and How.
Moderators: Leslie Sharkey and Sonjia Shelly

Sunday, November 14, 2004

ASVCP Education Symposium

Topic: Flow Cytometry: Principle and Application
Session Chair: Joanne B. Messick

- 8:00-8:05 am** Introduction and Announcements
- 8:05-8:55 am** Principles of Flow Cytometry and Cell Sorting. Dr. Melinda Wilkerson,
Kansas State University
- 8:55-9:45 am** Analysis of Platelets by Cytometry. Dr. Doug Weiss, University of
Minnesota
- 9:45-10:15 am** Refreshment Break
- 10:15-10:45 am** Differential Cell Counting of Bone Marrow by Flow Cytometry. Dr.
Doug Weiss, University of Minnesota
- 10:45-12 noon** Flow Cytometric Enumeration and Immunophenotyping of Lymphocytic
Malignancies or Hematopoietic Malignancies. Dr. William Vernau,
University of California at Davis
- Noon-1:30 pm** ASVCP Clinical Pathology Trainee Reception (open to graduate
students, residents, and ASVCP invited speakers)

ASVCP/ACVP Clinical Pathology Scientific Session I

Session Chair: Susan J. Tornquist

- 1:30-1:45 pm** Evaluation of Plasma Antithrombin III and d-Dimer Concentrations in Populations of Healthy and Clinically Ill Cats. J.L. Brazzell* and D. Borjesson
- 1:45-2:00 pm** Hematologic and Biochemical Abnormalities Indicating Iron Deficiency Are Associated with Decreased Reticulocyte Hemoglobin Content and Reticulocyte Size (CHR & RMCV) in Dogs. J. Steinberg* and C. Olver
- 2:00-2:15 pm** Chronic Lymphocytic Leukemia in Cats is Primarily a T-Helper Cell Disease. H.C. Workman*, W. Vernau, P.S. Schmidt, P. Roccabianca, P.F. Moore, S. Shelly, and W. Ruehl
- 2:15-2:30 pm** Novel Liposome-based Vaccine for Eliciting Cytotoxic T-Lymphocyte Responses. K. Zaks* and S. Dow
- 2:30-2:45 pm** Evaluation of Kits for Detection of Fibrin(ogen) Degradation Products and d-Dimer in Horses. T. Stokol, H. Erb, S. Tornquist, L. de Wilde, and M. Brooks
- 2:45-3:00 pm** Phenotypic Differences within the AB Blood Type of the Feline AB Blood Group System. J.L. Green, G.A. Andrews, and C.R. Wyatt
- 3:00-3:30 pm** Refreshment Break – Visit Posters and Exhibits
- 3:30-4:30 pm** **Keynote Presentation**
Clonal Rearrangements of Antigen Receptor Genes for Diagnosis of Lymphoid Neoplasia. William Vernau, DVM, PhD, DACVP

* Competitor for the ASVCP Young Investigator Award

Veterinary Laboratory Professionals

Session Chair: Linda Vap

- 1:00-3:00 pm** Activity Based Costing and Lean – Using Both to Determine the True Value of Testing. Caroline Ambrose, MT, CQM (ASQ), Roche
- 3:00-3:30 pm** Refreshment Break
- 3:30-4:30 pm** VLA QC Case Examples. Ruth MacPhail, BSc, and Dennis Olexson, MSc, RT
- 4:30-6:00 pm** **ASVCP ANNUAL BUSINESS MEETING**

Monday, November 15, 2004

8:00am-Noon ACVP/ASVCP Joint Plenary Session: Immunopathology

12:15-1:15 pm ACVP Clinical Pathology Examination Slide Review

Veterinary Laboratory Professionals

Session Chair: Linda Vap

8:00-10:00 am Exotic Hematology and Chemistry. Terry Campbell, MS, DVM, PhD

10:00-10:30 am Refreshment Break

10:30-11:30 am Exotic Case Examples. Terry Campbell, MS, DVM, PhD

11:30-12:15 pm Round Table: Records and Sample Retention. Nicole Rosen, MT

12:15-5:00 pm Lunch/free time

ASVCP/ACVP Clinical Pathology Scientific Session II

Session Chair: Susan J. Tornquist

1:30-2:30 pm **Invited Speaker**

Oncology Initiative: Project Proposals for Evaluation of Classification Systems for Lymphoma and Myeloproliferative Disorders and Demonstrating Their Applications. Patricia McManus, VMD, PhD, DACVP and Victor E. Valli, DVM, PhD, DACVP

2:30-2:45 pm The Effect of Multiple Doses of Hetastarch and *in Vitro* Hemolysis on Serum Colloid Osmotic Pressure in Hypoalbuminemic Dogs. B. Szladoivits*, S.L. Stockham, and L.E. Moore

2:45-3:00 pm Validation of the Nova CRT8 for the Measurement of Ionized Magnesium in Feline Sera. C. Gilroy*, S. Burton, B. Horney, and A. MacKenzie

3:00-3:30 pm Refreshment Break – Visit Posters and Exhibits

3:30-3:45 pm Cell Block Analysis—A New Less Invasive Diagnostic Alternative to Surgical Biopsy. V. Pallatto*, C. Grindem, K. Linder, K. Spaulding, and L. Williams

3:45-4:00 pm Circulating Nucleic Acids as a Biomarker for Dogs with Cancer. D.M.W. Schaefer*, N. Kelbick, and L.J. Rush

- 4:00-4:15 pm** Selected Effects of Parenteral Basic Fibroblast Growth Factor Administration to Osteopenic Ovariectomized Rats. H.L. Wamsley*, U.T. Iwaniec, and T.J. Wronski
- 4:15-4:30 pm** Cloning and Expression of the Gene Encoding the Major Antigenic Protein 2 Homolog of *Anaplasma phagocytophilum* and Potential Application for Serodiagnosis. A. Alleman, A. Barbet, S. Wong, H. Sorenson, N. Strik, and A. Bjoersdorff
- 4:30-4:45 pm** Hypophosphatemia as a Prominent Abnormality of Post Renal Obstruction of Goats. J.W. George, D.W. Hird, and L.W. George
- 4:45-5:00 pm** Rate of Deterioration of Canine Cerebrospinal Fluid. M.M. Fry, W. Vernau, and P.H. Kass
- 5:00-5:15 pm** Comparative Sequences of the Canine and Feline Arginine-Vasopressin Prohormones. A.P. Santos, A.W. Biondo, D.D. Sisson, S.T.A. Lopes, C. Souza, and P.F. Solter

* Competitor for the ASVCP Young Investigator Award

5:15-6:45 pm ASVCP Reception (members only)

Tuesday, November 16, 2004

ACVP/ASVCP Concurrent Sessions

- 8:00 am-Noon** ACVP/ASVCP Concurrent Session I: Environmental Pathology
- 8:00 am-Noon** ACVP/ASVCP Concurrent Session II: Cardiovascular Pathology

Veterinary Laboratory Professionals

Session Chair: Linda Vap

- 8:00-9:00 am** Biochemistry: Seeing is Not Believing.
Lynne Shanahan, MT and Linda Vap, MT, DVM
- 9:00-10:00 am** Roundtable 2: open discussions

ASVCP Case Review Session

- 8:00 am-Noon** Case Presentations
Moderator: Christine Olver
(Schedule available later)
- 1:30-5:00 pm** Diagnostic Pathology Specialty Group

1:30-5:00 pm Education Specialty Group Session
Efficient and Effective Methods of Pathology Education

Wednesday, November 17, 2004

ACVP/ASVCP Concurrent Sessions

8:00 am-Noon ACVP/ASVCP Concurrent Session III: Zoo and Exotic Animal Pathology
8:00 am-Noon ACVP/ASVCP Concurrent Session IV: Viral Hepatitis and Chronic Hepatitis
8:00 am-Noon Mini-symposium: Drug-induced Vascular Injury

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2004 “Teaching Clinical Pathology” Session Preview

The 2004 “Teaching Clinical Pathology” Session will be held on Saturday, November 13, from 6-8 pm, in conjunction with the Annual Meeting in Orlando. The title of this year's session is "Continuing Education in Clinical Pathology for the General Practitioner: What, Where, and How." We are hoping for broad representation across academic, diagnostic laboratory, and industry pathologists, all of whom have unique roles in educating clinical veterinarians about the uses and abuses of laboratory medicine. Focus questions include: What do general practitioners need to know about clinical pathology? Does this differ from topics frequently covered at well-attended conferences? Where do general practitioners obtain their clinical pathology information? How can we do a better job at educating clinicians about laboratory medicine? The goal of the discussion session is to generate specific and realistic strategies for improving the use and understanding of clinical pathology in veterinary general practice.

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Veterinary Laboratory Professionals Roundtable Report

The participants of the VLP meeting decided that they were interested in how each facility determined their test pricing. Was it an across the board percent increase or were there other determining factors? Nicole Rosen sent out a questionnaire to gather the needed information and presented it at the 2003 meeting in Banff, Canada. Her roundtable topic was titled “The Who, What and How of Determining Test Prices.” A total of ten veterinary schools participated.

Numbers one through four in the chart that follows represent a few of those institutions. Here are a few of the questions and responses:

Questions	1	2	3	4
Do you include any of the following?				
Reagents	yes	yes	yes	yes
Consumables	yes	no	yes	yes
Quality control Material	yes	yes	yes	yes
Calibration Material	yes	yes	no	yes
Proficiency Test Material	no	no	no	no
Technical Staff Time				
a. Performing Maintenance	yes	no	no	no
b. Running Test	yes	no	no	no
c. Performing and reviewing QC	yes	no	no	no
Pathologist/Prof. Fee included?	no	no	no	yes
Prices based on other lab charges?	no	yes	yes	somewhat
Facts used to discontinue a test	low volume	Low volume, profitability	low volume	low volume, profitability, medical necessity
Any tests run at loss for education?	-	yes	yes	yes

Responses to the question, "who has the final say on what you charge for a test?" varied from the Lab Manager to the Chief Financial Officer.

Roundtable discussions are a great way to get new ideas and share information. Please join us for the 2004 meeting in Orlando, November 14 – 17.

--Report submitted by Lisa Shipp

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ASVCP Committee Updates

Development Committee

We are behind on corporate contributions in relation to this time last year, although several corporate donors have increased their contributions this year. Development Committee members have been calling, emailing, and otherwise using today's technology to contact persons at those corporations that have traditionally supported the Society but have not sent their contributions this year. Several new potential donors

have been suggested and contacts with those companies will be made over the coming weeks. If you have suggestions about potential new donors or have ideas regarding new programs or funding opportunities, please call or email any of the Development Committee members to discuss your ideas.

The committee also discussed the new personal giving program. The committee discussed having 5 giving levels and decided the ranges of donations that would define each one. In addition, the committee discussed methods of approaching the Society membership for support of the new program. The committee is developing several options for the new program; these will be sent to the Executive Board for discussion and approval during their September teleconference. Watch for the new program and "Share the Future".

Corporate donors for 2004 include: Abbott Laboratories, Ani Lytics, Inc., Boehringer Ingelheim Corp., Bristol-Myers Squibb Company, Dupont Stine-Haskell Laboratory, GlaxoSmithKline, Lilly Laboratories (Eli Lilly & Co.), Hoffmann-La Roche, and Pfizer, Inc.

--Report submitted by Karyn Bird, Committee Chair

Education Committee

A draft charter has been submitted to the Executive Board and a budget is under development. Pat McManus is in the process of updating the residency training website, so please remember to update your information if you have a training program. Residency training guidelines in hematology are being drafted by Leslie Sharkey, Maxey Wellman, and Sonjia Shelley for incorporation into a companion paper to the clinical chemistry guidelines recently published in *Veterinary Clinical Pathology*. Preparations are underway for the Teaching Clinical pathology discussion forum; this year's focus is continuing education in clinical pathology for the general practitioner. We are looking forward to spirited debate on this important topic!

--Report submitted by Leslie Sharkey, Committee Chair

Quality Assurance and Standards Committee

The committee plans to have draft guidelines for urinalysis completed by the end of September. Rearrangement of the format used for procedure guidelines is in progress and should be completed by the end of August. Once the committee has reviewed the guidelines and all links and references are verified, the information currently on the ASVCP website will be replaced with the updated guidelines. This is expected by the end of October.

--Report submitted by Renee Pearson, Committee Chair

Regulatory Affairs Committee

For 2004, the ASVCP Regulatory Affairs Committee has met monthly to track issues relevant to its membership. Two items are being addressed, both through joint efforts with the Society of Toxicologic Pathology (STP). The Regulatory Affairs committee has one member participating with an STP-led group that is formulating a position on immunotoxicity testing guidelines. The purpose is to influence regulatory guidance on tier 1 and 2 approaches to immunotoxicity assessments for development of human medicinals. The second item being addressed is in response to the European Medicines Agency (EMA) notice that they will be producing a guidance document on detection of early signals of hepatotoxicity in preclinical studies for development of human medicinals. The ASVCP Regulatory Affairs Committee members, in conjunction with the STP, will produce a response for the purpose of influencing the EMA guidance document on the means of detecting and evaluation of hepatotoxicity in preclinical *in vivo* studies. This latter effort is in its initial phases.

--Report submitted by Vincent Meador, Committee Chair

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Executive Board News

In addition to the Executive Board and Annual Business Meeting sessions held at the Annual Meeting of the ASVCP, the members of the ASVCP Executive Board correspond regularly during the year via electronic mail and telephone conferences to accomplish the Society's business. Since publication of ASVCP Newsletter #2, 2004, the Board has decided a number of issues by majority vote. We agreed that the name of our Society, as well as that of the American College of Veterinary Pathologists, should appear on the on-line proceedings of our joint meeting which now appear on the International Veterinary Information Service (IVIS) website (www.ivis.org). We voted to pay to send *Veterinary Clinical Pathology* Editor Mary Christopher to an editor's conference of her choice in 2004.

We voted to enter into negotiations to establish an electronic licensing agreement with the Veterinary Information Network (VIN), allowing VIN to provide its members (as well as ASVCP members and other VCP subscribers) with online access to searchable full-text manuscripts from *Veterinary Clinical Pathology*. Via negotiations with VIN co-founder and President Paul Pion through journal Editor Mary Christopher, a satisfactory agreement was written, and we recently voted to accept it. It will be in effect for 2 years, after which time it may be renegotiated. The ASVCP retains the right to terminate the agreement at any time if the arrangement becomes unsatisfactory. As part of the agreement, VIN will provide the ASVCP with a one-time donation of \$15,000, which can be used to facilitate our efforts to develop on-line publishing alternatives for our journal.

In other action, we decided we need a formal procedure for selecting recipients of an ASVCP Lifetime Achievement Award. An *ad hoc* committee (Bill Reagan, Jeanne George and Sue Tornquist) proposed the following award criteria and selection procedure:

The ASVCP Lifetime Achievement Award is to recognize members of the ASVCP who have contributed to the advancement of the field of veterinary clinical pathology through their research and teaching, and through their work on behalf of the American Society for Veterinary Clinical Pathology. The Immediate Past President will chair a nomination committee consisting of at least 4 additional members of the ASVCP that do not currently sit on the Executive Board. This committee will review nominations made by the members of the ASVCP. Nomination should include at least 5 letters of support from ASVCP members and rationale why this particular member is worthy of this award. If no nominations are received from the membership, the committee can put forward a nomination with the documentation stated above. The Lifetime Achievement Award Committee will review nominations and the committee's recommendation will be presented to the ASVCP Executive Board. The ASVCP Executive Board will determine if the nominated ASVCP member is to receive the award by a majority vote. The ASVCP Lifetime Achievement Award will be presented at the annual meeting.

We voted to adopt the proposal.

Membership continues to grow; we recently voted to accept the applications for membership of Patricia Sue Chavey, Denise d'Epagnier, and Kathleen O. Morasco. Welcome, new members!

--report prepared by Marlyn Whitney, ASVCP Secretary

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Announcements

ASVCP National Office: Members can contact the ASVCP National Office at 7600 Terrace Avenue, Suite 203, Middleton, WI 53562; Phone 608-831-7829; Fax 608-831-5122; E-mail info@asvcp.org.

Electronic Newsletters: Effective with ASVCP Newsletter #1 for 2004 (February), paper copies of the newsletters are no longer be mailed to all ASVCP members. Those members who have provided the Society with an e-mail address will receive an e-mail containing a link to the newsletter as soon as each issue is posted to the ASVCP website. The newsletters are posted in PDF format. If you have any problems accessing the newsletter electronically, please contact the ASVCP National Office (info@asvcp.org) or Secretary Marlyn Whitney (whitneym@missouri.edu). Those members without e-mail access will continue to receive paper copies of the newsletter.

Change of Address: Please send any changes in mailing address or electronic mail address to the ASVCP National Office at 7600 Terrace Avenue, Suite 203, Middleton, WI 53562; Email: info@asvcp.org; FAX 608-831-5122.

ASVCP Newsletter and/ or Website Submissions: If you have any material of interest to post in the newsletter or on the ASVCP website (www.asvcp.org), please contact the ASVCP Secretary, Marlyn Whitney, at D102 Veterinary Medical Diagnostic Lab, University of Missouri, Columbia, MO 65211; Email: whitneym@missouri.edu, or contact the ASVCP National Office at 7600 Terrace Avenue, Suite 203, Middleton, WI 53562-3174; Email: info@asvcp.org.

ASVCP Membership Application: Member application forms are available at the ASVCP website (www.asvcp.org), by contacting ASVCP Secretary Marlyn Whitney at whitneym@missouri.edu, or by contacting the ASVCP National office at 7600 Terrace Avenue, Suite 203, Middleton, WI 53562-3174; phone 608-831-7829; Email: info@asvcp.org.

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Upcoming Meetings

2004 Meetings of the ESVP and ESVCP/ECVCP. The 22nd meeting of the European Society of Veterinary Pathology and the 6th meeting of the European Society of Veterinary Clinical Pathology / European College of Veterinary Clinical Pathology will be held on September 15-18 in Olsztyn, Poland. For more information, go to <http://www.uwm.edu.pl/esvp/>.

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Job Opportunities

Residency Training in Veterinary Clinical Pathology. As part of the most comprehensive health sciences center in America, the **Department of Veterinary Biosciences at The Ohio State University** offers outstanding training opportunities for students whose career goals include specialty education in clinical pathology training leading to a PhD degree. The department has a successful program in experimental and applied veterinary pathology demonstrated by sustained extramural funding and an excellent record of graduates who successfully pass the certifying examination of the ACVP. Trainees receive excellent training in clinical chemistry, cytology, hematology, immunology, surgical pathology, and molecular techniques. Trainees are directly involved in the teaching and diagnostic services of the clinical pathology laboratories, which provide support services for the large caseload in the Veterinary Teaching Hospital, regional practitioners, and the Columbus Zoo. Areas of research training are Cellular and Molecular Biology, Oncology, Microbiology and Immunology, and Pathophysiology and Pharmacology. Research training includes experience with transgenic animal pathobiology. Stipends begin at \$26,500, and successful applicants will receive a \$2,000 bonus to apply toward the cost of educational supplies. Tuition is provided (\$9,608/resident or \$24,556/non-resident per year), and the university will pay \$600 of the cost of student health insurance per year. A DVM from an AVMA-accredited institution is preferred and a GRE score is required. Applications are reviewed upon receipt and will continue until suitable applicants are selected for positions beginning June 20, 2005. Interested individuals should submit a Graduate School application to the Admissions Office of The Ohio State University (<http://gradadmissions.osu.edu>). A curriculum vitae, statement of career goals, and three letters of reference should be submitted to Dr. Michael Oglesbee, Graduate Studies Committee Chair, Department of Veterinary Biosciences, Ohio State University, 1925 Coffey Road, Columbus, OH 43210-1092. For more information, contact Dr. Maxey Wellman at (614) 292-1877, Wellman.3@osu.edu or visit the department website, www.vet.ohio-state.edu. The Ohio State University is an AA/EOE.

Clinical Pathologist: Axiom Veterinary Laboratories is a well-respected UK commercial laboratory, ISO 9001:2000 registered and an approved training facility. We require a Clinical Pathologist to join our friendly team of 7 Vets to cover for Maternity leave starting October/November 2004. Skills required include cytology reading, report writing and liaising with our clients. Initially for 6 months, possibly longer by mutual agreement. May suit recently qualified resident looking for experience. CPD allowance and accommodation, salary dependant on experience, in the range £30 - £55K. If you possess a veterinary degree, are eligible for registration with the RCVS, together with American or European board certification in clinical pathology and have good communication and interpersonal skills, then contact: Peter Webb, MRCVS (Managing Director) +44 (0) 1626 778844, e-mail: peter.webb@axiomvetlab.co.uk. Axiom Vet Labs, Ltd., George St. Teignmouth, South Devon, TX14 8AH, United Kingdom. Website: www.axiomvetlab.com.

Clinical Pathologist: IDEXX's network of local reference laboratories complement our in-house products by providing veterinarians with top-quality diagnostic support, information and pathologist/specialist consulting expertise. This global system is exclusively dedicated to veterinary medicine and includes locations in the United States, Japan, Australia and England. **JOB SUMMARY:** Responsible for providing clients with diagnostic evaluations in the area of clinical pathology. The area of clinical pathology is to include but not be restricted to cytopathology, body fluid analyses, CBC reviews, serum protein electrophoresis reviews, and chemistry review. The Clinical Pathologist is also responsible for consultation with the clients regarding interpretation of laboratory data and maintaining client satisfaction by responding to client inquiries of testing procedures and results. Responsibilities will also include active participation with the Chief Clinical Pathologist and the laboratory manager to ensure the quality of results in the laboratory. Participation in the development of new tests for laboratory use. Work in conjunction with other anatomical and clinical pathologists to allow optimum turn around time of client submissions. Will report to the Regional Head Clinical Pathologist and Chief of Clinical Pathology. A high level of importance is placed on quality, service, and timeliness. The pathologist is expected to promote the growth of IDEXX Laboratory Services by actively participating in pathologist meetings and professional contact with clients. The pathologist is expected to meet caseload and turnaround expectations and to be accessible for client consultations during regular working hours. Please visit our corporate website, www.idexx.com, for further information about IDEXX Laboratories and this position. EOE.

Residency in Veterinary Clinical Pathology: The Department of Pathobiology, College of Veterinary Medicine, University of Tennessee, is accepting applications for a 3-year residency in veterinary clinical pathology with a starting date of July 1, 2005. The residency is designed to fulfill training requirements and eligibility for board certification by the American College of Veterinary Pathologists. Training will emphasize diagnostic cytology, hematology, and clinical chemistry. Opportunities are also readily available for training in surgical biopsy and general pathology, and for involvement in research. The resident will participate in diagnostic service, teaching of veterinary students, journal clubs, and seminars, and will be encouraged to attend and present at national meetings and write manuscripts for publication. The Department of Pathobiology currently has three clinical pathologists and six anatomic pathologists. Our diagnostic service is supported by a diverse case load with submissions from within the teaching hospital and from outside practices, a well-equipped laboratory, and ancillary resources including in-house flow cytometry. Seven faculty members in the department have active research programs, including numerous NIH grants. Candidates for the position must have a DVM or equivalent degree. An internship or practice experience is desirable. Salary is competitive. Applications should include curriculum vitae, statement of professional goals, veterinary school transcript, and a list of three references, and should be sent to: Dr. Michael M. Fry, Department of Pathobiology, College of Veterinary Medicine, University of Tennessee, 2407 River Drive, Knoxville, TN, 37996-4500. Informal inquiries are welcome. More information about the program is available on the ASVCP website (<http://www.asvcp.org/trainingprograms/menu.html>). The application deadline is December 1, 2004, but applications will be accepted after then if the position is not filled. The University of Tennessee is an EEO/AA/TitleVI/Title IX/Section 504/ADA/ADEA employer.

Veterinarian: The Maryland Department of Agriculture is seeking a qualified **veterinary pathologist** for an **Animal Health Diagnostic Laboratory directorship**. The facility is located on the University of Maryland College Park campus next to the Virginia-Maryland Regional College. As director of the laboratory this individual will supervise the entire laboratory staff and oversee the animal diagnostic services. Laboratory services includes necropsies performed by the director on all species except fish and shellfish. Additional services are virology, serology, fungal culture, bacteriology and fish and shell fish diagnostic services to the State's aquaculture and seafood industries. Responsibilities also include the administration of the undergraduate and veterinary student mentorship programs. This position may include research and an assistant professorship within the Virginia-Maryland Regional College of Veterinary Medicine. The laboratory is applying for AAVLD accreditation. Position may require some weekend and evening work. Salary: \$49,157 - \$76,141 with State benefits including family medical, pension, 401K and liberal paid leave. Call 410-841-5840 for application or visit www.mda.state.md.us. Applications must be postmarked to MDA Human Resource Office, Testing Unit, Room 304, 50 Harry S. Truman Pkwy, Annapolis, MD 21401 by 8/16/04. EOE/ADA. Educational credentials from foreign countries must be evaluated by an approved education review service.

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Orders for 2004 ASVCP Case Review Sets

The 2004 ASVCP Case Review Sets will be sold on the same priority basis as in previous years. Twenty (20) sets are reserved for **purchase** by the presenters of the 2004 cases (NOTE: slide sets are not provided gratis for the presenters). Additional "Institutional Sets" are reserved for purchase by schools or colleges of veterinary medicine that grant a DVM or equivalent degree (NOTE: Institutional Sets must be purchased by an ASVCP member at the institution). To be eligible for either a Presenter Set or an Institutional Set, the order form with payment must be **received by** the ASVCP Office **no later than October 1, 2004**. After October 1, all remaining slide sets will be sold to ASVCP members in sequential order starting with the earliest postmark dates on the applications. Payments for orders not filled will be refunded. The application form and payment should be sent to the Treasurer at the address on the order form below.

2004 ASVCP Case Review Set Order Form

Please enclose a check or money order (United States dollars only) payable to ASVCP for \$55 for each set to be mailed within North America, or \$65 for those mailed to other locations.

Institutional Set (One set per school or college)

Name of Institution _____

Name of ASVCP member at this Institution: _____

Personal Set or Presenter Set (if your submission is accepted). Availability of Personal Sets is based on earliest postmark dates on order.

Address to which the 2004 Case Set (to be distributed in October) should be sent:

Name: _____

Address: _____

Date ordered: _____

Credit Card Number: _____ Expiration Date: _____

Signature: _____

You may fax your credit card order to: 608-831-5122, or mail a check payable to ASVCP with a copy of this order form to:

ASVCP National Office:
 ATTN: Case Review Sets
 7600 Terrace Avenue, Suite 203
 Middleton, WI 53562-3174

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