

ACVP NEWSLETTER

An Official Publication of The American College of Veterinary Pathologists

September 2004

A Renaissance for Veterinary Pathology

Linda Munson, DVM, PhD
President, ACVP

We are at the dawn of a renaissance in animal-based research...

In these times of company mergers and university budget cuts, many pathologists are likely reflecting on whether they are perceived as dinosaurs. Pathology departments are being staffed with molecular biologists, veterinary students question why they have to take pathology, and many pathologists in industry now work in areas other than pathology. Are we becoming obsolete?

No, not according to the recent National Academies of Science Workshop on National Needs for Research in Veterinary Science. At this recent meeting, there was unanimous recognition that veterinary pathologists are critical to future biomedical research. We are at the dawn of a renaissance in animal-based research, a pendulum swing from the reductionist trend of the last two decades. The advances in genomics and proteomics have been truly astounding, but these findings now need to be translated into the complex context of the whole animal. Who better to do this translational research than a veterinary pathologist? Who better to unfold the morphologic mysteries of genetically-modified animals? The global emergence of infectious diseases, most of which are zoonoses, also has reinvigorated our profession. Pathologists are usually at the front line, the first to detect the disease in animals. This reaffirmation of our value as pathologists is welcome news. For years we tried to reinvent ourselves as molecular biologists, when what drew most of us to pathology was our interests in the responses of cells and tissues to injury and understanding disease at the whole animal level. Molecular biology is just a tool; the science is understanding the molecules in the mouse.

Regardless of this recognition, we can not afford to hide behind our microscopes.

Regardless of this recognition, we can not afford to hide behind our microscopes. The NAS Workshop

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2004 Annual Meeting

Reserve the dates of November 13-17 at Disney's Coronado Springs Resort in Orlando, Florida for the 2004 ACVP Annual Meeting! The meeting begins with three optional workshops on Saturday, an opening reception for all on Saturday evening and educational sessions starting at 8:00 a.m. on Sunday morning.

Visit our website for one-stop shopping:

<http://www.acvp.org/meeting>

- 1) Register online or download a 2004 registration form.
- 2) Download a housing reservation form (or call 407-939-1020 — refer to the ACVP/ASVCP meeting to be eligible for the \$129 room rate).
- 3) Review the preliminary program (also included on pages 6-7 of this issue).
- 4) Visit "Links of Interest" for more information about Orlando and Disney's Coronado Springs Resort.

This year's meeting will offer one of the largest selections of scientific sessions ever! Attendees can choose from over 30 different scientific sessions over five days. A variety of presentations are scheduled at this year's meeting to address topics of interest to you. There is something for everyone — from the beginning practitioner to the advanced professional.

The early-bird deadline for discounted registration fees is October 15, 2004. Be sure to register for the conference before that date to take advantage of the savings!

If you have any questions about registration, please contact the ACVP National Office (registrar@acvp.org). See you in Orlando!

Read about what's new at the 2004 Annual Meeting and key tips for Disney World on page 3.

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participants also encouraged collaborative multidisciplinary research in the future. As science becomes increasingly complex, the “renaissance man” approach to research is untenable. This team approach is already integrated into industry, but universities lag in recognizing collaborative research on par with independent programs. Pathologists have excellent skills as team leaders, and pathology research would thrive in the multidisciplinary setting. However, funding trends drive research approaches, so these NAS Workshop messages need to reach the ears of Congress, NIH, USDA, CDC, and NSF.

So what can ACVP do? ACVP historically has been principally a credentialing organization, but it might be time to move beyond our traditional borders and take a more active role in determining national and international biomedical policies. The Government Policy Committee under the leadership of **Daryl Thake** with **Bob Hall** as Council liaison will head up our efforts as a College to have a voice in policies that affect our profession. Some potential areas of activity include: 1) working with national task forces designing infectious disease and bioterrorism biosafety policies; 2) responding to proposed global regulatory actions; and 3) sitting on NIH, NSF, and USDA review panels when appropriate. Many College members already participate in these types of activities, and Council would like to hear your concerns and proposals for future College involvement.

ACVP actions would certainly carry more weight if we formed alliances with organizations, such as STP, ACLAM, AAALAC, AAVLD, ASVCP, and SOT, on issues of common interest. The ACVP/STP Coalition for Veterinary Pathology Fellows is our first major venture into these partnerships. Also, by reinvigorating links to our parent organization, AVMA, we could capitalize on their strength in affecting state and federal policy. While AVMA has largely represented clinical practice over the years, perhaps we have been remiss in not asking for more representation. Health concerns and biomedical sciences are increasing international in scope, so ACVP may also need to strengthen links with international sister organizations, such as the ECVP, JCVP, and pathology associations in Europe and Latin America.

It might be time to take a more active role...

The direction of our evolution should be driven by our membership.

A global veterinary pathology network would certainly assure that our voice was heard where we can make valuable contributions.

Our Public Relations Committee under **Gary Cockerell's** leadership will be working with our Government Policy Committee to assure that we are “recognized as the leading force in comparative medical knowledge.” They plan to: 1) involve ACVP early in emerging disease issues; and 2) make government agencies aware of the ACVP as a resource for early management of such issues. The PR Committee's Speakers Bureau, led by **Mark Cline**, provided a powerful position paper for the NAS Workshop (available at www.acvp.org/news), and the PR committee continues to find venues for highlighting the achievements of our members.

As we approach our third year of the Strategic Plan, we need to be thinking about where we want to be heading over the next three years. Evolution is critical to our future, and the direction of that evolution should be driven by our membership. Another Strategic Planning workshop is scheduled for 2005, and your input as college members will be invaluable to that process. Please take time to communicate your visions for the future of the College through your Council members. ■

ACVP's Position Statement on National Needs for Research in Veterinary Science is now available on the ACVP website:

www.acvp.org/news/

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The Secretary/Treasurer's Corner

Keys to the Kingdom

Paul C. Stromberg, DVM, PhD

Nothing stirs a child's imagination so much as the words "Magic Kingdom" and "Walt Disney." It's the ultimate family vacation destination for kids aged six to 60+. This year's Annual Meeting at Walt Disney World (WDW) in Orlando, November 13-17 offers a great opportunity to combine a superbly planned scientific meeting with a family vacation at just the right time of year. We will never see \$129/night rooms for the Annual Meeting ever again.

What's New This Year

Besides great weather, a terrific program and all the fun that goes with a visit to WDW, we have some special events planned this year. **The Presidential Reception will be held in the Animal Kingdom theme park.** It closes to the public at 5:00 p.m. so we will have it to ourselves for the evening. If we can stay on schedule, they have some "special things" planned for us. There will be plenty of food and beverages and space to spread out and talk to friends. Note that spouses and guests who wish to attend the Presidential Reception and other social events at the meeting must pay the \$35 registration fee. Thanks to Disney for sponsoring what will surely be a memorable event.



Disney is also giving every registered Diplomat attendee **free one-day admission to the Animal Kingdom** theme park on Monday, November 15. We will have buses available to take people to the park. Because the free pass is only for Diplomat registrants, spouses, guests and children must pay the park entrance fee if they wish to participate. The fee is \$59 for adults, \$47 for children three to nine (children under three are free). This fee is in addition to the \$35 registration fee mentioned above.

Disney has also offered Diplomat registrants a behind-the-scenes tour of the animal facilities and veterinary hospital. Spouses/guests and children are not eligible for the behind-the-scenes tour.

Also new this year is an expanded cyber café, a silent auction to benefit student externships, and proceedings published online by the International Veterinary Information Service (IVIS). We will continue to provide hard copy proceedings to each registrant. This year we will also have a new Young Investigator Award for diagnostic pathology, and a new student chapter poster award. Also new to the Annual



Meeting is the Christopher T. Starost Memorial Scholarship, awarded to an outstanding poster presentation focusing on oncological research.

About the Meeting

Dave Malarkey and **Mark Cline** have put together an excellent program this year filled with informative, timely topics. We are anticipating even more media coverage than we had in Banff so don't be surprised to see TV crews and print media doing interviews. With such a great location, low travel costs and 18 student pathology clubs eligible for travel support, I anticipate a record number of veterinary students in attendance as well. As always, the program qualifies for CE credit by the RACE Program and recognized by the AVMA and state veterinary boards so those of you in need of continuing education to maintain your state licensure can qualify for about 30 CE hours.

The venue, **Disney's Coronado Springs Resort**, is the convention meeting site located on the Disney property between The Animal Kingdom and EPCOT and quite close to MGM Studios. The convention complex is near the hotel lobby. The housing units are arranged around a large, quiet lake. The resort has a southwestern theme and features the usual swimming pools, a large play area for kids called "The Dig Site," a health club, two dining options, a cocktail lounge and free transportation to other sites on the Disney property. The modern convention center itself is spacious and possesses everything we need for our activities. The registration desk, exhibit hall, meeting rooms and hallways are conveniently close together on one floor.

Getting There

Most of you will likely fly to Orlando International Airport. The cheapest transportation option to WDW is the **Mears Shuttle** which is \$17/adult one way and \$29 round trip; \$13/child one way and \$21 round trip. These shuttles generally carry seven to nine people each (sometimes it's a large bus), often stopping at half a dozen hotels before yours so the travel time to Coronado Springs Resort may be an hour or so. A taxi costs about \$50 plus tolls each way.

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We will never see \$129/night rooms for the Annual Meeting ever again.

The modern convention center itself is spacious and possesses everything we need for our activities.

Keys (continued from page 3)

I generally reserve a town car from one of the other companies. The driver meets you at the luggage carousel in the airport, carries your bags, drives directly to your hotel and automatically picks you up at your hotel on your designated return date, usually two to three hours before your departure time. You can make a reservation on their website (www.floridatowncar.com). The cost is \$55 one way (\$85 round trip) but they will take up to five people for that price so if there are at least three in your party, this is a better option than the Mears shuttle.



For those of you who like dining, Disney has some fabulous restaurants.

You can rent a car, of course, from any of the national companies if you need to. Parking at hotels on the Disney property is free. Check in at all Disney hotels is 3:00 p.m. so if you arrive earlier you may have to wait a bit. You can just drop your bags with the bellman and take a look around, or rent a boat or a bicycle, or go for a jog. Relax, you're in Florida!

Walt Disney World Tips

As a hotel guest, use of the Disney transportation system is free and I think the best way to move around WDW. The buses are air conditioned, clean, run on time at about 20 minute intervals and drop you much closer to the theme park entrances than the parking lots. If you are planning to visit places and attractions off the Disney property, renting a car is a good option; otherwise the transportation system goes nearly everywhere you want to go.

A word of caution if you are unfamiliar with WDW...it's huge. With four major theme parks and various water parks, camp grounds, dozens of hotels, The Boardwalk, Downtown (Marketplace, Pleasure Island and the West Side) and the full array of sporting and entertainment options, you won't have time to get more than a glimpse of what's possible. If you want to sample more of Disney than the half day off will allow or plan to bring family, it might be good to stay a couple of extra days after the meeting.



For those of you planning a more in-depth visit of WDW than just the meeting, I strongly recommend you purchase *Birnbaum's Walt Disney World 2000* guidebook, available at most bookstores. The cost is about \$20 but it contains everything, and I mean everything, you need to know. I also recommend you visit the Disney website (<http://disneyworld.disney.go.com/wdw/index>).

Mid-November is an ideal time at WDW. The temperature will be in the 60s and 70s. In addition,

November is one of the slowest times in the theme parks. That means the lines for attractions are short. "Park Hopper" passes are the best option if you plan more than one day of theme park activity. A single day admission to a theme park is \$54.75 currently. You can check out the various options and prices on the Disney website. Guests staying in Disney hotels are permitted early admission to selected theme

parks on certain days, making access to popular attractions even easier.

Dining and More Tips

For those of you who like dining, Disney has some fabulous restaurants. Check out the Disney website for dining options and look at the Birnbaum guidebook for details. Some of the best dining is in the other Disney resort hotels or Downtown Disney. If you want to sample some of these I strongly advise that you call for priority seating (407-939-3463) as soon as you make dining plans. November is a slow time at WDW, so your chances of getting a seating time are good but don't expect to just walk in and eat. Dress code is resort casual at most venues.

A word of caution, **the Disney buses do not go directly from hotel to hotel** so travel from Coronado Springs to the other hotels can take quite awhile since you have to go to Downtown Disney and change buses. If you rent a car, it's easy to get around. My recommendation is that you take a taxi to the other hotels.

The **California Grill** on top of the Contemporary Resort provides a stunning view of Bay Lake and the Magic Kingdom from 15 stories up; it might be the best restaurant in WDW. Hint: ask for a table by the window and watch the sunset! **Artist's Point** in Wilderness Lodge (order the salmon!) and **Citricco's** in the Grand Floridian (provincial French menu and wine list to match) are favorites for me - pricey but very, very good. I highly recommend either **Jiko's** or **Boma-Flavors of Africa** in the Animal Kingdom Lodge if you want to sample African cuisine.

Just walking through these hotels is an entertainment experience. Disney places a high priority on theme and attends to the smallest details. Incidentally, you can see African wildlife at Animal Kingdom Lodge. Here, the people are kept behind a fence and the animals roam free on the savannah.

The **World Showcase** in EPCOT has great dining in the pavilions of the various nations. If you plan a day in EPCOT, try one of these for lunch or dinner. **Le Cellier Steakhouse** (Canada), **Les Chefs de France** and **Bistro de Paris** (France) and the royal Norwegian buffet, an authentic smorgasbord, at

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Mid-November is an ideal time at Disney World.

Initiative to Provide Opportunities for Pathologists Devoting their Careers to Toxicologic Pathology

Reid Patterson, DVM, PhD

In the late 1990's, several initiatives were launched to promote the recognition of the rapidly growing specialty in toxicologic pathology and its artisans, to establish global standards for pathologists within the field, to encourage global collaborations and to expand the sharing of knowledge in the field amongst practitioners.

Owing to the growth of the pharmaceutical and chemical industries in the U.S. and globally, veterinary pathologists were increasingly being employed to characterize and research the pathogenesis of the pathology associated with toxic responses to xenobiotics in laboratory animal models. Nearly half the current membership of the ACVP are associated with or involved directly in these R&D efforts.

A petition to establish a subspecialty in toxicologic pathology was submitted to the ACVP Council on January 28, 1999, prepared and endorsed by **Drs. Gary Boorman, Wanda Haschek-Hock, Bill Iverson, Reid Patterson** and **Ron Tyler**. Council reviewed and discussed this application in detail and provided provisional approval of the Subspecialty on July 1, 1999 for three years. During those ensuing years, the concept was discussed at many venues and the concept of a subspecialty was approved by the ACVP membership.

In 2002, Council recommended petitioning the American Board of Veterinary Specialists (ABVS) for formal recognition. On February 28, 2004, ABVS officially recognized the **ACVP's Subspecialty of Toxicologic Pathology** as the very first veterinary subspecialty. While ACVP Diplomates approved the concept of subspecialty recognition earlier, a formal vote by the College on acceptance of this first subspecialty remains the last procedure to finally realize this opportunity. You will hear more about this vote later this year.

Looking for a Great Deal and a Way to Recruit Students into Pathology?

Reid Patterson, DVM, PhD
Chair, Development Committee

An exciting new event will premier at the Annual Meeting in Orlando. For the first time ever, you will have a chance to purchase exciting gifts, artwork, vacations, collector's items, and more through ACVP's Silent Auction.

Look for the Silent Auction in the exhibit hall, where you will be able to view gifts and make bids for purchase. The highest bidder for each item will walk away with the prize, plus the satisfaction of knowing that his or her donation will **support externships** for young veterinary students wanting to explore the excitement of pathology.

We all are well aware of the shortage of veterinary pathologists. To help address the situation, the ACVP Externship Program has expanded to offer more externship opportunities. The result, however, is that we need new funds to meet the demand for this important initiative.

Therefore, we need your help. The silent auction gifts will arise from kind, tax-deductible donations submitted by our ACVP membership. We are now asking each one of you to provide at least one gift that you purchased, painted, built, or otherwise created, and donate it for this exciting event.

Use the enclosed form to tell us about your donation and send it along with the item to the ACVP Executive Office. All donors will be recognized by their College for their generosity in a Silent Auction publication available at the Annual Meeting and on the ACVP website prior to the Annual Meeting. The Silent Auction is a great opportunity to support veterinary pathology and go home with a fabulous item.

*Support
veterinary
pathology and
go home with
a fabulous
item.*

ACVP Career Fair

Virtual: October 1 - December 15, 2004 • Onsite: November 14 - 17, 2004

ACVP's ever-popular Career Fair is appearing again at the Annual Meeting! Sponsored by Pfizer, Inc., the 2004 Career Fair will once more offer an unprecedented opportunity for recruiters and employers to meet veterinary pathologists and trainees.

We invite employers to participate in the Career Fair, both onsite at the Annual Meeting and through the ACVP website. Both ways provide a showplace for employers to post position announcements. The onsite Fair additionally provides employers with a collection of CVs from job seekers.

We also invite veterinary pathologists to participate by viewing the positions on the online Career Fair and by sending us your CV for employers to view. If you wish confidentiality, you can submit your CV electronically directly to the employer, or you can bring CV copies with you to the Annual Meeting and submit them in confidential employer envelopes.

For more information visit the ACVP website at www.acvp.org/meeting/. You may also contact Stacey Phelps at (608) 833-8725, ext. 145 or sphelps@reesgroupinc.com.

ACVP/ASVCP Annual Meeting Program
November 13-17, 2004

Orlando
Florida

With 95 theme parks and attractions, it would take a visitor more than two months to see everything in Orlando.

Orlando is home to some of the largest theme parks in the world, but did you know that they also boast first-rate entertainment complexes with state-of-the-art movie theaters, a science center, parks and gardens, and an array of other entertaining, educational and unique attractions?

www.orlando.info

Saturday, November 13, 2004

8:00 a.m.-5:00 p.m.
**ASVCP Pre-Meeting Workshop
Design and Interpretation of Method
Evaluation Experiments**

8:00 a.m.-5:00 p.m.
**C.L. Davis Foundation Pre-Meeting
Workshop
Pathology of Non-Traditional Pets**

8:00 a.m.-5:00 p.m.
**ILSI Pre-Meeting Workshop
ILSI HESI Seminars on Advanced
Pathologic Techniques
Immunopathological Techniques:
Applications and Interpretation of
Results**

4:00 p.m.-8:00 p.m.
Registration Opens

6:00 p.m.-8:00 p.m.
ASVCP: Teaching Clinical Pathology

7:00 p.m.-8:30 p.m.
**Opening Reception in the Exhibit
Area**

Sunday, November 14, 2004

7:00 a.m.-5:00 p.m.
Registration

8:00 a.m.-5:00 p.m.
Spouse and Student Hospitality Room
*Sponsored by Merck Research
Laboratories*

8:00 a.m.-12:00 noon
**ASVCP Education Symposium
Flow Cytometry: Principle and
Application**
• Principles of Flow Cytometry and Cell
Sorting
• Analysis of Platelets by Cytometry
• Differential Cell Counting of Bone
Marrow by Flow Cytometry
• Flow Cytometric Enumeration and
Immunophenotyping of Lymphocytic
Malignancies or Hematopoietic
Malignancies

8:00 a.m.-12:00 noon
**Natural Disease Specialty Group
Session I
West Nile Virus has Not Caused the
Disappearance of Other Arboviral
Infections**

8:00 a.m.-12:00 noon
**Mini-Symposium
Predicting Drug-Mediated Immune
Responses: A Need for Reciprocal
Research**
• Overview on Immunotoxicology Testing
– What it Predicts and What it Doesn't
• Species Differences in the Immune
Response
• Drug-Induced Thrombocytopenias in
Man – Chasing the Immune Response
• Immune Responses to Biologicals –
Meaningful or Not?

9:30 a.m.-4:30 p.m.
**Exhibits Open
Poster Session
Career Fair**
Sponsored by Pfizer, Inc.
Internet Cafe
Sponsored by Gene Logic, Inc.

12:00 noon-1:30 p.m.
**ASVCP Clinical Pathology Trainee
Reception**
(by invitation only)
*Sponsored by IDEXX Veterinary
Services*

12:15 p.m.-1:00 p.m.
**Emerging Disease Focus Seminar
The 5 Billion Dollar Diagnosis: BSE in
the United States**

1:30 p.m.-4:00 p.m.
**ASVCP Veterinary Laboratory
Professionals Meeting**

1:30 p.m.-4:30 p.m.
**Clinical Pathology Specialty Group
Session I**

1:30 p.m.-5:00 p.m.
**Experimental Disease Specialty
Group Session I
Models in Oncology**
Sponsored by Genentech, Inc.

1:30 p.m.-5:00 p.m.
**Natural Disease Specialty Group
Session II**

1:30 p.m.-5:00 p.m.
**Toxicologic Pathology Specialty
Group Session I
Toxicologic Pathology of Organelles-I**
Sponsored by Amgen, Inc.

4:30 p.m.-6:00 p.m.
ASVCP Business Meeting

6:00 p.m.-7:30 p.m.
ACVP Town Meeting

7:30 p.m.-8:30 p.m.
ACVP Council and Student Reception
*Sponsored by Schering-Plough
Research Institute and the National
Cancer Institute Comparative
Pathology Training Partnerships*

7:30 p.m.-9:30 p.m.
**Mystery Slide Review and
Neuropathology Case Presentations**
*Sponsored by Pathology Associates/
Charles River Laboratories*

8:00 p.m.-10:00 p.m.
ACVP Training Coordinators Meeting

Monday, November 15, 2004

7:30 a.m.-3:30 p.m.
Registration

8:00 a.m.-5:00 p.m.
Spouse and Student Hospitality Room
*Sponsored by Merck Research
Laboratories*

8:00 a.m.-12:00 noon
**ACVP/ASVCP Joint Plenary Session
Immunopathology**

8:00 a.m.-8:10 a.m.
**Welcome by the Presidents of ACVP
and ASVCP**

8:10 a.m.-8:15 a.m.
Introduction to the Plenary Session

8:15 a.m.-8:55 a.m.
Evolution of Adaptive Immunity
*Dr. Martin Flajnik, University of
Maryland*

8:55 a.m.-9:35 a.m.
**Toll-like Receptors in Health and
Disease**
*Dr. Gregg Dean, North Carolina
State University*

9:35 a.m.-10:00 a.m.
Refreshment Break

10:00 a.m.-10:40 a.m.
**Harnessing the Power of the
Immune System to Break through
Cancer-Mediated Immunosuppression**
**Dr. James B. Rottman, Archemix
Corporation*

10:40 a.m.-11:20 a.m.
**T cell - T cell Interactions in
Regulating the Immune Response**
*Dr. Mary Tompkins, North Carolina
State University*

11:20 a.m.-12:00 noon
**Immunological Concepts Applied to
Pathologic Diagnosis**
**Dr. Peter F. Moore, University of
California-Davis*

**Sponsored by Charles River
Laboratories Discovery and
Development Services*

8:15 a.m.-12:00 noon
**ASVCP Veterinary Laboratory
Professionals Meeting**



9:30 a.m.-3:30 p.m.

**Exhibits Open
Poster Session
Career Fair**

Sponsored by Pfizer, Inc.

Internet Cafe

Sponsored by Gene Logic, Inc.

12:15 p.m.-1:15 p.m.

**ACVP Clinical Pathology Examination
Slide Review**

1:00 p.m.-5:00 p.m.

Optional Event

*Sponsored by Disney's Animal
Kingdom Theme Park*

1:30 p.m.-5:15 p.m.

**Clinical Pathology Specialty Group
Session II**

5:15 p.m.-6:45 p.m.

ASVCP Reception

(open to members only)

7:00 p.m.-9:00 p.m.

**Mystery Slide Seminar and Case
Presentations: Cardiovascular
Disease**

Tuesday, November 16, 2004

7:30 a.m.-4:30 p.m.

Registration

8:00 a.m.-5:00 p.m.

Spouse and Student Hospitality Room

*Sponsored by Merck Research
Laboratories*

8:00 a.m.-12:00 noon

**ASVCP Veterinary Laboratory
Professionals Meeting**

8:00 a.m.-12:00 noon

**Concurrent Session I: Environmental
Pathology**

- Environmental Causes of Cancer
- Risk and Mechanisms of Preconceptual Carcinogenesis
- Asthma and Lung Diseases Related to Air Pollutants
- Sick Sea Mammals: A Sign of Sick Seas?

8:00 a.m.-12:00 noon

**Concurrent Session II:
Cardiovascular Pathology**

- Cell and Molecular Approaches for Heart Repair
- Myocarditis - A Model of Myocardial Injury and Repair
- Pathology of Cardiomyopathies in Man
- Canine and Feline Cardiomyopathy

8:00 a.m.-12:00 noon

ASVCP Clinical Cases Session

9:30 a.m.-3:30 p.m.

**Exhibits Open
Poster Session
Career Fair**

Sponsored by Pfizer, Inc.

Internet Cafe

Sponsored by Gene Logic, Inc.

12:15 p.m.-1:15 p.m.

**ACVP Gross and Microscopic
Examination Slide Review**

1:30 p.m.-2:00 p.m.

**ASVCP Veterinary Laboratory
Professionals Meeting**

1:30 p.m.-5:00 p.m.

**Diagnostic Pathology Specialty
Group Session**

1:30 p.m.-5:00 p.m.

**Education Specialty Group Session
Efficient and Effective Methods of
Pathology Education**

1:30 p.m.-5:00 p.m.

**Experimental Disease Specialty
Group Session II
Models in Immunology**

Sponsored by Amgen, Inc.

1:30 p.m.-5:00 p.m.

**Toxicologic Pathology Specialty
Group Session II**

Toxicology Pathology of Organelles-II
Sponsored by Amgen, Inc.

5:15 p.m.-6:30 p.m.

ACVP Business Meeting

7:00 p.m.-10:00 p.m.

**ACVP Presidential Reception at
Disney's Animal Kingdom Theme
Park**

*Sponsored by Disney's Animal
Kingdom Theme Park*

Wednesday, November 17, 2004

7:00 a.m.-8:00 a.m.

ACVP Specialty Group Breakfast

7:00 a.m.-8:00 a.m.

ACVP Past Presidents' Breakfast

8:00 a.m.-1:30 p.m.

Registration

8:00 a.m.-12:00 noon

Spouse and Student Hospitality Room

*Sponsored by Merck Research
Laboratories*

8:00 a.m.-12:00 noon

Concurrent Session III

Zoo and Exotic Animal Pathology

- To Keep Them Alive: A History of Zoo Pathology
- Heath Issues in Mixed Species Environments: A Day in the Life of a Zoo Pathologist
- The Role of a Zoo Pathologist in Disease: Surveillance, Exotic Diseases, Exotic Animals, and Exotic Places
- The Comparative Pathology of Non-Mammalian Vertebrates: "Robbins and Cotran for the Birds"
- Neoplastic Diseases of Reptiles: A Diagnostic Pathologists Point of View

8:00 a.m.-12:00 noon

Concurrent Session IV

Viral Hepatitis and Chronic Hepatitis

- Chronic Hepatitis and Cirrhosis
- Chronic Hepatitis and Hepatocellular Carcinoma Caused by Woodchuck Hepatitis Virus Infection
- Discoveries of Animal Strains of Hepatitis E Virus: Implications for Animal Models and Zoonosis
- GB Virus B Model of Hepatitis C Pathogenesis

8:00 a.m.-12:00 noon

Mini-Symposium

**Vascular Pathobiology: Endothelial
Heterogeneity, Mechanobiology, Tone
and Repair Responses**

- Hemodynamics and Endothelial Cell Phenotypes in vivo
- Mechanotransduction in Endothelial Cells
- Integrins and Regulation of Vascular Tone: Mechanotransduction and More
- Marrow-derived Stem Cells and Vascular Repair

Sponsored by GlaxoSmithKline, Inc.

1:00 p.m.-5:30 p.m.

**Post-Meeting Workshop I
Immunohistochemistry in Diagnostic
Pathology**

Sponsored by DakoCytomation, Inc.

1:00 p.m.-5:10 p.m.

**Post-Meeting Workshop II
Genomics: Current and Future
Applications in Diagnostic and
Toxicologic Pathology**

1:00 p.m.-5:00 p.m.

**Post-Meeting Workshop III
Mastering Digital Photography**

**Disney World
Tips:**

Get updated information on showtimes, popular attraction wait times and ride closures at the Information Board centrally located in each Theme Park. The board is updated hourly and staffed with Cast Members to answer specific Walt Disney World® Resort questions.

Disney Dollars can be used to purchase food or merchandise throughout the Walt Disney World® Resort. They can be purchased at all ticket booths, Guest Relations, Resort Guest Services locations and before you leave at The Disney Store nearest your home.

From:
[Walt Disney
World website](http://Walt Disney World website)



Student Chapters of the ACVP Update

New this year is a Student Poster Contest.

With the recent approval of the College of Veterinary Medicine at Iowa State University, Atlantic Veterinary College at the University of Prince Edward Island, and Western Veterinary College at University of Saskatchewan, there are a now total of 18 Student Chapters of the ACVP! They join the Student Chapters at the University of California at Davis, Colorado State University, University of Georgia, University of Illinois, Kansas State University, Louisiana State University, Michigan State University, University of Missouri, North Carolina State University, The Ohio State University, University of Pennsylvania, University of Tennessee, Tufts University, Virginia-Maryland Regional College of Veterinary Medicine, and University of Wisconsin.

Many students are expected to attend this year's Annual Meeting in Orlando. Each Chapter will receive a \$1,000 Travel Award to assist their members in getting to the meeting. Students receive complimentary registration once at the meeting. Students will also have a Student Lounge for congregating and sharing ideas, and will have a reception with Council where a representative from each Chapter in attendance will

give an overview of their Chapter's activities. The Chapters will also have a booth at the Annual Meeting exhibit hall where they can sell fund-raising items, or display information about their Chapter.

New this year is a Student Poster Contest. Posters may be submitted in any pathology related area, for example, research, case report, or case series, in which the student(s) have done the primary work. The award will be \$250, and if the student is a member of a Student Chapter of the ACVP, then that Chapter will also receive \$250.

Our Student Chapters thrive in large part because of our generous sponsors. At the 2004 Annual Meeting, Merck Research Laboratories is supporting the Student Lounge, Schering-Plough Research Institute and the National Cancer Institute Comparative Pathology Training Partnerships is supporting the Student Chapters reception with Council, and Novartis, Merck Research Laboratories, and Dr. Mike Topper are supporting student chapter travel awards. ACVP warmly thanks these and all our sponsors and member contributors for their important financial assistance.

Student Externship Recipient

Stacey Fossey, recipient of an ACVP externship scholarship, spent four weeks at the National Institute of Environmental Health Sciences in Research Triangle Park, NC. Stacey is completing her degree in veterinary medicine at Louisiana State University. While at NIEHS, she participated in cutting edge research in toxicogenomics and microscopic magnetic resonance imaging under her externship advisors, **Drs. Gary Boorman** and **Dave Malarkey**. Stacey visited veterinary pathologists in industry at GlaxoSmithKline, Experimental

Pathology Laboratories, Inc., Pathology Associates, and Integrated Laboratory Systems, Inc. She learned about opportunities for veterinary pathologists in academia and government while visiting the U. S. Environmental Protection Agency, North Carolina State University College of Veterinary Medicine, and the National Toxicology Program. She is grateful for this experience and the support that the ACVP has given to students interested in veterinary pathology through their externship scholarship program.



Stacey and Dr. Gary Boorman



Stacey at the Scope



Stacey and Dr. Dave Malarkey

Members In The News

Corrie Brown Recipient of UGA's Highest Teaching Award

Corrie Brown, an ACVP Diplomate and pathology professor and coordinator of international activities at the College of Veterinary Medicine, University of Georgia, was one of five outstanding faculty members who received the University's 2004 Josiah Meigs Award for Excellence in Teaching. To date, she has won every teaching award the College of Veterinary Medicine offers – a total of eight – plus the prestigious Student AVMA Basic Sciences Teaching Award for which she was nominated by her students. Since her arrival at UGA in 1996, she has taught almost all the pathology courses. A gifted communicator, she uses art, current events, culture, and geography to enliven her pathology lectures. She currently teaches and/or coordinates seven professional courses, is guest lecturer in several undergraduate courses, while advising and mentoring about a dozen students, including some high school students and foreign visitors.

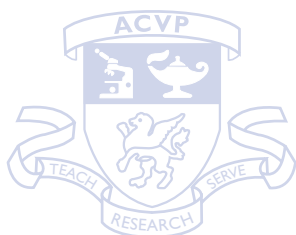
Bennie Osburn Recipient of Karl F. Meyer-James H. Steele Gold Head Cane Award

Bennie Osburn, ACVP Distinguished Member and Dean of the University of California, Davis (UC Davis) School of Veterinary Medicine, was presented with the Karl F. Meyer-James H. Steele Gold Head Cane Award at the recent AVMA convention. This award is presented in recognition of significant advancements made in human health through the practice of epidemiology and public health. He has made key discoveries about food animal viruses-including the bluetongue virus-developmental immunology, congenital infections and food safety, while emphasizing the health and welfare of food animals, particularly cattle and sheep. He was instrumental in the establishment of the Western Institute for Food Safety and Security and the UC Veterinary Medical Center-San Diego. He was a leader in initiating \$140 million in new building programs and increased the annual research budget 100% to \$60 million. Active in many professional organizations, he is

president of the Association of American Veterinary Medical Colleges. He has earned membership in the Johns Hopkins Society of Scholars and is a fellow in the American Association for the Advancement of Science. He is past president of both the American College of Veterinary Pathologists and the American Association of Veterinary Immunologists, and is an honorary diplomate of the American Veterinary Epidemiology Society.

Holly Bender Recipient of Student AVMA Teaching Excellence Award

Holly Bender, ACVP Diplomate and associate professor at the College of Veterinary Medicine at Iowa State University was presented with the Student AVMA Teaching Excellence Award for the Basic Sciences at the recent AVMA convention. This award is presented annually to recognize excellence, innovation and enthusiasm in the field of basic veterinary science and education. Educators may often wonder whether they are reaching their students, whether they are making a difference. She does not fall into that group-her students at the Virginia-Maryland Regional College of Veterinary Medicine chose not to keep her guessing. They named her Teacher of the Year not once, but nine times during her over eleven year tenure there as clinical instructor to associate professor. Since 2002, she has served as head and sole instructor in the Department of Veterinary Pathology at Iowa State University. Last year, she was named director of the ISU Veterinary Medical Education Center. She is also the director of the Biomedical Informatics Research Group, a position she has held since 1998. She and her peers have recently completed a long-term grant-funded research project on creating and distributing a comprehensive on-line learning system for diagnostic reasoning. Her other awards include the Merck Creative Teaching Award, the Norden Distinguished Teacher Award (1991, 2004) and the Clifton Garvin Fellowship for Research Excellence. She was inducted into the Academy of Teaching Excellence at Virginia Tech in 2001.



Register on-line for the
Annual Meeting:
www.acvp.org/meeting/registration.php

Keys (continued from page 4)



Akershus (Norway) are among my favorites but **L'Originale Alfredo di Roma Ristorante** (Italy) and **Marrakesh** (Morocco) are nearly as good. The **Rose & Crown Pub** (United Kingdom) has good "pub grub" and excellent beer and ale from all over the UK.

The **Coronado Springs Resort** has two dining options. The **Maya Grill** is a southwestern themed full-service restaurant and the **Pepper Market** is an informal food court with many stations where you can pick and choose. The latter is a convenient and excellent choice for breakfast or lunch. There is also a walk-up window here where you can purchase coffee and rolls to go, and a small "grocery store" where you can buy pre-packaged snacks, sandwiches, fruit, and drinks to take out. I think many of you will not want to spend your entire week eating dinner at Coronado Springs so you will have to do a little "traveling" but the trips are well worth it if you can make time.

A short taxi ride over to **The Boardwalk** will provide a range of options from pubs and sports clubs (**Big River Grille & Brewing Works, ESPN Club**) to seafood (**Flying Fish Café**) and Mediterranean (**Spoodles**). From The Boardwalk you can easily walk over the bridge to four hotels (The Swan, The Dolphin, The Yacht Club and The Beach Resort) and enjoy their restaurants.

(*Hint:* If you don't want to pay for a taxi you can take the bus to MGM Studios, and catch the boat that connects MGM Studios to EPCOT via a short waterway and get off at The Boardwalk or one of the hotel stops. It takes a little longer, but its free and a nice ride). Just

remember the last bus leaves MGM about an hour after the park closes. So if you stay later, go to a hotel and get a cab back to Coronado Springs.

It is only a short bus ride (maybe 10 minutes) to **Downtown Disney** where you can choose among **Fulton's Crab House** (fresh seafood served on an old riverboat), **Wolfgang Puck Café** (California cuisine at its best), **Portobello Yacht Club, Cap'n Jack's Restaurant** and the **Rainforest Café** (a very unique dining experience). There is also a McDonald's.

Night clubs, jazz clubs, bars and evening entertainment galore are all available at Pleasure Island and the West Side. Some places have a cover charge. The Downtown Disney buses run quite late in the evening so getting back to the hotel is no problem for you "night owls." I think The Boardwalk and Downtown Disney are your best options for dinner and bar hopping. They are close, offer a range of options and have entertainment venues.

Bottom Line from the Secretary-Treasurer

I can't imagine a better place to bring your family to the Annual Meeting. Council considers location very carefully when picking meeting venues. We try to pick interesting, appealing places that are fun to visit and reasonably priced. Our Annual Meeting is typically very intense and packed with scientific and educational activities with little time to enjoy what the meeting site has to offer.

But this year it should be a great family friendly meeting. Travel and housing costs will be very reasonable. This is a far better time of year to experience WDW than in the summer when it's hot and very crowded. If you are one of those "over-30-year-old kids" attending the meeting with or without your family, you could stay an extra day or two, kick back a bit and enjoy some of what "The World" has to offer. You won't be sorry you did! ■

Obituary

Dr. Timothy P. O'Neill, died May 13, 2004, in Frederick, MD at the age of 54. He was an ACVP Diplomat, and a graduate of the College of Veterinary Medicine, University of Missouri. At the time of his death, he was employed as a veterinary pathologist with Spring Valley Laboratories in Woodbine, MD, and was a co-owner of Biomedical Research Consultants. He earned a PhD from the University of Maryland and completed his residency in veterinary pathology at the Armed Forces Institute of Pathology. He served in the U.S. Air Force and the U.S. Public Health Service, from which he retired. During his long and varied career in public service and research, he worked at the National Institutes of Health, Bethesda, Maryland; at the Maryland State Animal Health Laboratory in Frederick, Maryland; at the Onderstepoort Veterinary Research

Institute in the Republic of South Africa; and as Chief Pathologist of the Registry of Comparative Pathology at the Armed Forces Institute of Pathology, Washington, DC. Prior to attending veterinary school, he served two tours of duty in Vietnam as a U.S. Marine, where he attained the rank of sergeant and was awarded the Purple Heart, the Navy Commendation Medal, the Cross of Gallantry, the Vietnam Service Ribbon, and the Combat Action Ribbon. He authored numerous journal articles and review papers, and had touched many lives. He served his country and his science well. He is survived by his wife, Susan, and two sons, Phillip and Brian. Memorial contributions may be made to the American Cancer Society.

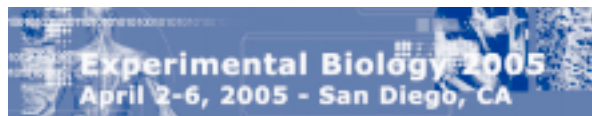
Upcoming Events

Diagnostic Neuropathology and Neuromuscular Pathology

The Charles Louis Davis DVM Foundation will be conducting its fourth diagnostic pathology symposium entitled "Diagnostic Neuropathology and Neuromuscular Pathology" on October 22, 2004. This eight-hour continuing education meeting will be held in conjunction with the AAVLD annual meeting. The course director is Matti Kiupel (Michigan State University) and invited guest lecturers are Brian Summers (Cornell University), Thomas Van Winkle (University of Pennsylvania), and Beth Valentine (Oregon State University). Topics that will be covered include diagnostic neuropathology and neuromuscular pathology, particularly neurology for the pathologist, the handling of nerve and muscle tissue for diagnostic pathology and how to avoid common errors in neuropathology, spinal cord and brain lesions in dogs and cats, including tumors and infectious diseases, and mucocutaneous neuropathology. Tuition of \$125 includes refreshments, CD of presentations and continuing education credits. Additional information and registration materials are available at the CL Davis Foundation Website: <http://www.afip.org/CLDavis> or call (847) 367-4359.



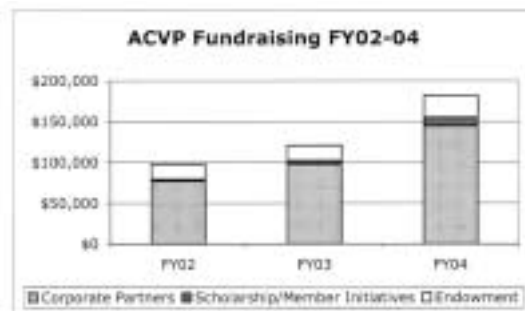
As part of the strategy to better communicate to the public the impact Veterinary Pathologists have on important scientific discoveries and research, the ACVP Public Relations Committee and Council formed a subcommittee charged with organizing an annual ACVP scientific symposium (TASS) every spring. The one-day Symposium would focus on a scientific theme for which veterinary pathologists have made a substantial contribution. For its first TASS, ACVP has partnered with the American Society of Investigative Pathologists (ASIP). ASIP represents an excellent partner organization for ACVP because it is composed of human pathologists focused on comparative medical research. The first TASS will be on Sunday, April 3 as part of the 2005 Experimental Biology (formerly FASEB) meeting in San Diego and will be entitled "Mutant Animal Models: Phenotyping and Comparative Medicine." The three-hour symposium will consist of four presentations from both veterinary and human pathologists. TASS will be a full day at the 2006 Experimental Biology meeting in San Francisco. ACVP will be a guest society at the ASIP meetings and will receive mailings from ASIP concerning the meeting program and registration. ACVP members will be able to attend the meeting at ASIP membership registration rates. If members have questions about TASS, please contact Dan Rudmann (rudmannng@lilly.com).



ACVP Fundraising

ACVP's fundraising campaigns are producing results. These graphs compare fundraising efforts over three years for the Corporate Partners, Endowment Fund and Scholarship/Member Initiatives programs. All three programs have received increased contributions in fiscal year 2004 compared to prior years. In FY 2004, Corporate Partners had a 48 percent increase over FY 2003, the Endowment Fund had a 43 percent increase, and Scholarship/Member Initiatives had 172 percent increase.

The Corporate Partners program contributes significantly to alleviate ACVP Annual Meeting and operational expenses, helping to sustain member dues and preclude registration fee increases. The Endowment Fund now has a total of \$190,000, with another \$36,000 in pledges. Our goal is to reach \$500,000 so that ACVP can establish a permanent financial source for educational and research spending. Both member and corporate contributions are important for achieving ACVP's goals. Thank you to those who have given to ACVP, and we welcome new contributions. See the ACVP website for a secure online form or PDF form: www.acvp.org.



Announcements

International Database for Molecular Diagnostic Tests

A website, pcr.sdstate.org, was created for the development of an international database listing molecular diagnostic (PCR) tests performed by veterinary diagnostic laboratories world-wide. Almost 300 tests for infectious agents are currently listed. Participation is free and users of these tests are encouraged to sign up.

Submission of Articles and Information for the ACVP Newsletter

Articles and information to be published in the ACVP Newsletter should be submitted to the Newsletter Editor, Mike Topper. The preferred method is electronically via email at mtopper@genelogic.com. Alternately, they can be faxed to (240) 631-1317. The Newsletter is currently published quarterly in March, June, September, and December. In order to meet deadlines for printing and mailing of the Newsletter in hardcopy, submitted materials must be received by January 15 for the March issue, April 15 for the June issue, July 15 for the September issue, and October 15 for the December issue. In the future, if the Newsletter is primarily sent out electronically, then these deadlines will be adjusted accordingly.

Certification Examinations

The 2004 certifying examinations will be held September 29-30, 2004, in Ames, Iowa.

All certifying examinations in the immediate future will be held at the Scheman Building, Iowa State Center, Iowa State University, Ames, IA.

2005: September 14-15

2006: September 20-21

2007: September 26-27

2008: September 24-25

ACVP 55th Annual Meeting



November 13-17, 2004
Disney's Coronado Springs Resort
Orlando, Florida

Disney's Coronado Springs Resort
<http://disneymeetings.disney.go.com>

Orlando Convention and Visitors Bureau
<http://www.orlandoinfo.com>



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