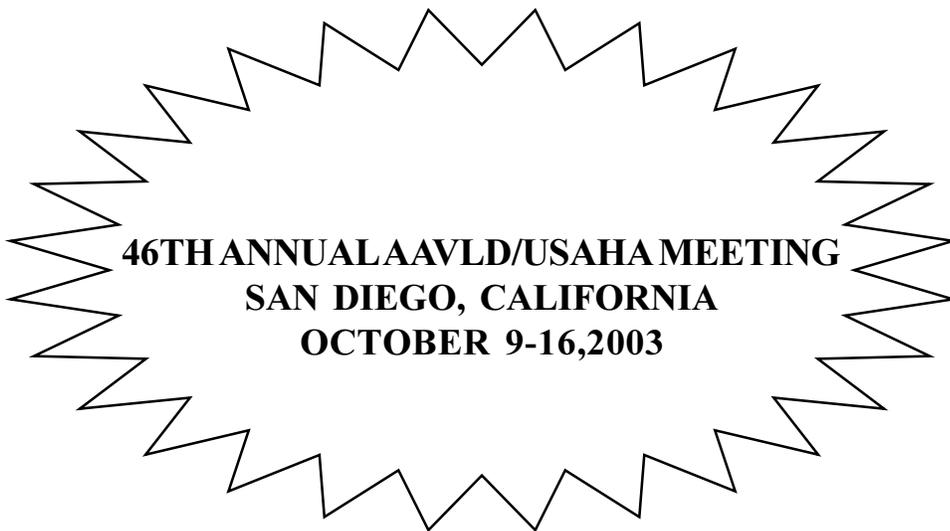


August 2003



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2003 Executive Board

President.....	Terry McElwain
President-Elect.....	Willie Reed
Vice President.....	Gary Osweiler
Immed. Past President.....	Pat Blanchard
Secretary/Treasurer.....	Alex Ardans
North East.....	Alfonso Torres
South East.....	Ron Wilson
North Central.....	Neil Dyer
South Central.....	Melissa Libal
North West.....	Donal O'Toole
South West.....	Barbara Powers
Canada Provincial.....	Grant Maxie
Canada Federal, Ex-officio.....	Bill Yates
Ex-Officio, NVSL.....	Randall Levings

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AAVLD PRESIDENT'S MESSAGE

Greetings from hot and dry Washington State!

Week by week and month by month, the time has flown since Pat Blanchard passed the gavel to me last fall. It is hard to believe that we are just a little over two months away from our annual conference in San Diego. President-elect Willie Reed has put together a great program, and your response to the call for papers was outstanding. I look forward to a busy, productive and educational meeting.

I urge you to review the minutes from our Executive Board meeting in Denver. Several items in particular deserve mention. One is approval by the Board of a document outlining laboratory guidance for animal health emergency management, developed by our Emergency Preparedness Workgroup headed by John Andrews. This guidance will be posted on our Web site under News and Current Events for reference by all laboratories. Our colleagues who have been dealing most intensively with END will testify to the importance of advance laboratory preparation in handling exotic disease outbreaks. So kudos go to the entire work group for development of this comprehensive document. Thanks also to Donal O'Toole and Barb Powers for keeping abreast of the EPA Region 8 proposal for strict regulations on disposal of potential prion-contaminated waste. This issue could dramatically affect us all, and both Donal and Barb have devoted substantial time and effort in representing us and preparing a position statement. Finally, I call your attention to the proposal for developing on-line registration for our annual meeting, which will necessitate a modest increase in registration cost. More information will be provided on this proposal in San Diego. However, the Board felt it was time to make this move, as the efficiency gained in time and effort will be substantial.

As I look back on events over the past nine months, the central thrust of nearly all my activities as President of AAVLD has been the promotion of good laboratory practice through networking. We have made great strides over the past few years in raising the visibility of our association. We are active partners with USDA, CDC, FDA and other government agencies developing policies that impact animal health. This is a healthy trend, with considerable progress still to be made. However, along with increased visibility and involvement comes increased scrutiny, and we must be cognizant that our laboratories will be held to increasingly stringent standards of laboratory practice. Having had the opportunity to visit many of your laboratories through the years, I believe we are up to the task. But I don't believe many outside of our tight community know it. My experience is that most of our laboratory colleagues in state public health, food safety and environmental laboratories are exceedingly naïve about the capabilities that exist in veterinary diagnostic laboratories. I encourage you to reach out to these fellow laboratorians in your state. Get to know them. Show them what you do. If past experience is any prediction, they will be surprised at the breadth, depth and quality of services offered in our laboratories, and will see the power of promoting our common goals. They will gain an understanding of our mission and responsibilities, and will recognize that we provide complementary, not overlapping services; that we serve different, but equally important constituents with their own needs and concerns. And it will not all be one way; we also will learn from them. In my view these interactions are necessary for us to collectively promote good laboratory practice for the nation, including the use of common validated methods and reagents, and established lines of communication. Good laboratory practice is what we are, and should be, all about. It is time for the barriers to fall, and for a mutual understanding to emerge. A truly integrated, seamless national laboratory network must be developed. The times demand it, and nothing less should be our goal.

My thanks go to all the hardworking members of this association for your support over the past 9 months, to the Executive Committee and Board for their hard work and guidance, and to the Secretary/Treasurer's office for keeping me on the straight and narrow. This job would be overwhelming without all your efforts.

I look forward to seeing you in San Diego. It is a great venue, and promises to be a fantastic meeting.

Best wishes,

Terry F. McElwain, President, AAVLD
tfm@vetmed.wsu.edu
509-335-9696

AAVLD EXECUTIVE BOARD MEETING

Saturday, July 19, 2003, 1:00 pm – 5:00 pm

Denver Marriott City Center - Denver, CO

Present: Alex Ardans, Terry McElwain, Barb Powers, Willie Reed, Neil Dyer, Pat Blanchard, Donal O’Toole, Grant Maxie, Bill Yates, Ron Wilson, Gary Osweiler, Alfonso Torres, Randall Levings (representing NVSL). **Guests:** Bill Edwards, Leon Thacker, Monte Reimers, Don Lein, Doris Miller, Sharon Hietala, Brad Fenwick.

1. The meeting was called to order at 1:20 pm by Terry McElwain.

2. **APPROVAL OF MINUTES:** Minutes of the February 18, 2003 Executive Board Meeting were reviewed. A motion was made to approve the minutes (Ardans), seconded (Blanchard), and carried unanimously.

3. **TREASURER’S REPORT:** Alex Ardans presented the report of the Treasurer as follows:

Checking Account Balance on Hand January 1, 2003:	\$199,249.14 (Amended by \$226 due to duplicate entry)	
Total Administrative Operating Receipts	\$84,667.04	
Total Administrative Operating Expenses	(\$104,920.07)	
ENDING BALANCE JUNE 30, 2003:		\$178,996.11
Certificates of Deposit as of JUNE 30, 2003		
CD#000418518	\$15,501.93	
CD#00475591	\$14,537.54	
TOTAL, CERTIFICATES OF DEPOSIT		\$30,039.47
Mutual Fund, Edward D. Jones, as of JUNE 30, 2003		
Account #190876276 New Perspective Fund	\$71,220.38	
Account #165939129 Investment Co. of America	\$71,415.97	
TOTAL, MUTUAL FUNDS		\$142,636.35
TOTAL ASSETS ON HAND- JUNE 30, 2003		\$351,671.93

Total paid active members as of 6/30/03: 1249

Total paid subscribers as of 6/30/03: 204

Alex Ardans requested that a budget be submitted for each workshop before the workshop is approved.

A motion to accept the treasurer’s report was made (Maxie), seconded (Reed), and carried unanimously.

4. COMMITTEE REPORTS

A. Accreditation

Leon Thacker reported that the Accreditation Committee met Friday, July 18th from 1:00pm-5:00pm. The main item of discussion was the document incorporating OIE standards into the AAVLD Essential Requirements. The most recent draft was reviewed and it will be rewritten as discussed at the meeting. Monte Reimers will provide the rewritten draft document to the Accreditation Committee by the end of August. After review by the committee it will be distributed to the laboratories. Quality Assurance guidelines for each laboratory section/discipline will be compiled as a list of best practice procedures for use by the labs and by the Accreditation Committee when reviewing labs rather than being incorporated into the Essential Requirements. The Accreditation Committee will ask the various AAVLD discipline committees to review and update QA documents as necessary before posting.

The committee met again Saturday, July 19th from 8:00 am until noon. The committee reviewed reports on Georgia (Tifton and Athens), South Dakota and Oklahoma. Site visits were approved for New Mexico (first time request for accreditation), Wisconsin and Connecticut. The site visit to Tennessee was postponed due to a change in administration of the laboratory.

The committee would like to thank the Virology Committee for providing the Virology Quality Assurance document.

B. JVDI

John Kreeger was not able attend the meeting, but provided the following report:

The Journal is doing well with manuscript submissions similar to the past 4 years. Mid-year projections would suggest approximately 185 manuscript submissions anticipated for this year.

Bio-Rad has recently submitted a full-page color advertisement for their CWD test that will be appearing on the back cover of the Journal beginning with the July issue and running for the next few issues. This ad will generate several thousand dollars in advertising revenue for the Journal. In negotiating terms of advertising costs, Bio-Rad was also enlisted as a patron.

A different file format of the Foundation donor forms and membership application forms were requested from the Secretary/Treasurer's office for posting in the Journal as space permits.

C. Newsletter and Monographs

Pat Blanchard reported that she has received fourteen committee agendas for the newsletter, and nine are outstanding. The expected publishing date for the newsletter is August 7, 2003.

Pat Blanchard suggested the Executive Committee review the agendas, objectives and activities of the committees before and after the annual meeting to ensure the direction is meeting the needs of the organization. As the President can disband special committees, she suggested the Long Range Planning committee be disbanded until a new focus is determined. Terry McElwain indicated he would ask the Approved Methods Committee to add discussion on compiling a list of approved methods by discipline to assist with the accreditation process as an agenda item at their October meeting. .

Dr. Blanchard asked the board for approval on moving the Approved Methods Committee later in the day on Thursday, October 9, 2003 or to Friday, October 10, 2003 so more people can attend the meeting. The Epidemiology and Approved Methods Committees jointly requested an additional session to discuss FAD test validations (END, etc). The board had no objections to the changes in meeting times and scheduling of additional meetings.

Dr. Blanchard stated there would probably be a proposal for a monograph on *Clostridium perfringens* in October.

D. Web Site Update

Gary Osweiler reported that several updates to information posted on the web have been made, including the NAHLN information page, standing committee membership, committee reports, and accredited laboratory listings, including contact information for branch laboratories. An update to the Foundation Donors has been requested. Several formatting changes were also made, including dropping the "Administration" subheading, posting the Hotel Registration form as a PDF, adding Quality Assurance as a menu item, and reformatting the menu bar. The new menu bar format will be evaluated at the next Publications Committee meeting. Other changes include the optimization of PDF files for all old JVDI files, resulting in an improved response time for calling up manuscripts.

Dr. Osweiler suggested that the current list of bullets on Purpose be expanded to include history and mission and purpose be reviewed and expanded. He suggested that old brochures could provide additional information for the web.

The Web Master, Randy Berghefer, is currently working on a new design for the website, which will be presented to the Publications Committee at the October 2003 meeting. Donal O'Toole proposed that a professional web designer be hired to redesign the website. Gary will discuss this possibility with Randy after the meeting.

AAVLD Staff and the JVDI editor have gained access and the capability to add, edit and delete association information, which has helped to keep information more current and accurate. Dr. Osweiler proposed that the Web Editor position be reconfigured to centralize functions with AAVLD secretary/treasurer staff and newsletter activities and that posting of information and maintenance of the website be done via the secretary/treasurer office. Pat, Alex, Gary and Allison will discuss changes in responsibilities after the meeting.

E. Program Committee

Willie Reed reported that 157 titles were submitted. He has added two sessions (22 papers) to accommodate the large number of submissions; there will be five sessions on both Saturday afternoon and Sunday morning instead of four. Two Plenary Sessions are planned. The first will be a morning session on Emerging Zoonotic Viral Diseases including Avian Influenza, West Nile Virus, SARS and Monkeypox. The second (joint) plenary session will include a keynote speech from the Director General of OIE, Dr. Bernard Vallet, and speakers on BSE from Canada, CWD from Colorado, and END from California. It will also include a presentation from Homeland Security and one from the US Department of Interior and USDA.

The Scientific Sessions will include sessions on Johne's Disease fecal detection methods and TSE's. There will be 119 presentations at the meeting and 28 posters have been selected. There are 22 abstracts that did not fit in the presentations and authors will be contacted regarding whether they want to submit a poster instead. If all these authors agree to a poster, there may be as many as 50 posters. A total of 169 presentations and posters were received, and all arrived within a two-week period around the due date.

Pat Blanchard recommended that next year the line on the Call for Papers regarding AAVLD Foundation awards be changed to read Graduate Student/Resident Award instead of Graduate Student Award to clarify who may apply.

F. Canada

Bill Yates presented the Canada report as follows:

1. Organization of the Canadian Food Inspection Agency (CFIA)

As reported at the February 2003 Board meeting, the federal veterinary laboratories in Canada are part of the CFIA and that Agency created a new Science Branch. Dr. Judith Bosse has been named Vice President, to head the Science Branch.

2. Bovine Spongiform Encephalopathy

In 1993, Canada had a single case of BSE in a British import cow residing in a purebred herd in central Alberta. Extensive tracebacks were done, and the entire source herd and all other British imports were depopulated. In May of 2003 a second case was detected, this time in what is believed to be a Canadian-born Angus cow residing in northern Alberta. In the intervening years, Canada had implemented a ruminant-to-ruminant feed ban (1997) and a national cattle identification program (Canadian Cattle Identification Agency).

Like the case in 1993, the 2003 case was tentatively diagnosed in a provincial laboratory of Alberta Agriculture, Food, and Rural Development. It was subsequently confirmed by the National Centre for Foreign Animal Disease (NCFAD) of the Canadian Food Inspection Agency (CFIA) in Winnipeg and at the World Reference Centre at Weybridge in the UK.

The 2003 index case was a downer animal with pneumonia that was rejected at the slaughterhouse and then sampled as part of a routine surveillance program at a rendering establishment. Extensive trace forwards and trace backs were done, as well as tracking of all products that were rendered for use in animal feed.

The index herd was shipped by truck to the Canadian Food Inspection Agency's Lethbridge Laboratory for blood sampling, euthanasia, and brain removal. Later, sampling of larger numbers was continued at an idle packing plant in

Saskatchewan. Samples were flown to the National Centre for Foreign Animal Disease (NCFAD) in Winnipeg for rapid testing by a Western Blot kit, with confirmatory testing by immunohistochemistry (IHC) at CFIA laboratories in Lethbridge, Ottawa, and Saint Hyacinthe. In all, 2054 brain samples were tested negative by Western Blot at NCFAD by the 8th of June, and confirmed negative by IHC shortly afterward at the other 3 participating laboratories. Over 2700 animals were taken out, including calves at foot.

Canada and the US maintained close communications throughout this crisis. US officials, including pathologists Drs. Jenny and Kluge of the USDA National Veterinary Services Laboratory, visited Canada and took part in various aspects including testing at the Winnipeg laboratory. The US was also a member of the International Panel of the OIE that Canada invited in to evaluate our response. The Panel report was released on the internet as was Canada's response (the CFIA website is www.cfia-acia.agr.ca). The report was complimentary about the response to the diagnosis of the single case. Discussions about possible policy revisions in Canada and within the North American shared market are ongoing.

The border closure is a financial disaster for Canada, costing 11M CDN per day to the industry.

3. Canadian Animal Health Laboratorians Network

This group held its second annual meeting in Ottawa during May of 2003. Among the speakers was AAVLD President McElwain whose talk was entitled, "The Role of the AAVLD in the New US National Animal Health Laboratory Network."

The Canadian Laboratorians group has an annual scientific meeting in the spring of the year, and laboratorians from all disciplines in academia, government, and the private sector are welcome to attend. The 2004 meeting will be on the University of Guelph campus, home of the Ontario Veterinary College.

G. Membership

Gary Osweiler reported that AAVLD currently has 1249 members, compared to 1268 at the end of 2002. A total of 128 new members have joined. There are still 170 members from 2002 that have not renewed for 2003. Dr. Osweiler plans to contact these members to find out their reason for not renewing. He would also like to resurrect the membership brochure and would like to send out information and an invitation to join AAVLD to state veterinarians.

H. Credentials

Gary Osweiler reported that the House of Delegates has been set. Puerto Rico and Hawaii will not be represented, as they have no active members. Alternate delegates have been identified for 40 states and provinces. Additional representatives will be added as soon as possible. A list of the 56 members and their email addresses will be provided along with a list of alternates.

I. Foundation

Barb Powers reported that there is now full membership on the committee. Selection criteria for Foundation Travel and JVDI awards were developed and will be reviewed for approval by the committee at the October meeting. A letter encouraging AAVLD members to donate to the Foundation may be sent in August with the dues statement and ballots.

J. NVSL Report- by Randall Levings, director of NVSL

Disease updates:

END: NVSL is winding down in its assistance with END. Contributions of lab and field people have dropped off and the main ongoing support is in administrative functions.

CWD: There are presently 26 labs online for CWD testing, and 25 are state labs. Currently there are ongoing discussions on use of the Bio-Rad kits for CWD.

BSE: Policy discussions are being held. They currently are in the middle of discussion on use of screening kits.

AI: Recently there was an outbreak of AI in Connecticut. NVSL would have liked to depopulate, but the state would not go along with this.

ISA: An outbreak of Infectious Salmon Anemia in Maine led to depopulation.

FAD: No updates to report. Mostly have been dealing with END. FAD school will be held on Plum Island.

NVSL is in the process of hiring a security manager. Most people that apply are ex-military.

Dr. Levings reported that he has seen a draft of the policy and procedure for BSL 2 facilities, but was not asked to give an opinion nor has he been given any other updates.

Select agent registration: APHIS inspections will be completed by the November 12, 2003 deadline. CDC will be performing 100 of the inspections. The list for inspections includes 429 labs. They are hiring personnel who will receive special training to perform the lab inspections.

Master Plan Update: \$112 million additional was received for a total of \$296.77 million. Ground breaking for the BSL 3 facility will be in September.

NVSL: There was a transfer of Plum Island facilities and part of program funds from USDA to Homeland Security. Those funds were not transferred back to USDA in the House or Senate as was rumored. There was a \$3.8 million increase by the House for NVSL to provide support to the NAHLN, but only \$1.5 in the Senate.

CWD Committee had charged APHIS to include private labs in CWD testing.

K. Nominations

Pat Blanchard announced that Donal O'Toole and Sharon Hietala have been nominated for Vice President and Alex Ardans for Secretary/Treasurer.

Terry McElwain announced that regional representatives for Canada, the Northwest and the Southwest regions are up for election. Nominating committees have been appointed and nominees selected for Canada and the Southwest region. Nominees for the Northwest have yet to be selected.

L. Awards

Pat Blanchard reported that awardees for the best JVDI full paper and brief communication have been selected. Beth Henricson and Robert Eckroade were nominated for life membership. Dr. Blanchard solicited input from the board on any additional selections for life members. Dr. Charles Kanitz was an additional nominee.

M. Emergency Preparedness Workgroup

Pat Blanchard and Alfonso Torres presented the guidelines developed by the Emergency Preparedness Workgroup entitled "Suggested Laboratory Guidelines for Animal Health Emergency Management". A motion to accept the guidelines document with minor modifications was made (Blanchard) and seconded (Ardans) and, after discussion, carried unanimously. The guidelines will be sent to committee chairs and lab directors.

The workgroup will meet for an hour during the Annual Meeting in October to discuss if there are any other issues that the workgroup needs to address. During the 2004 year the workgroup will address any feedback they receive from other committees on the guidelines.

N. Government Relations

Terry McElwain reported that a budget of \$16 million was approved in the House budget for the NAHLN, but had not been included in the Senate version. Efforts are underway to include the NAHLN in the Senate budget. Will keep updated on the status.

5. OLD BUSINESS

A. Outside Sponsorship for meeting and trainees

At the previous meeting contacting sponsors for discipline trainee awards was discussed. It was determined that as long as the solicitation of sponsorship for these awards did not interfere with the activities of the Program Committee Chair or the Foundation that they would be permissible. Willie Reed, Program Committee Chair, reported that he had a firm sponsorship commitment from Bio-Rad in the amount of \$4,500 toward the CWD session. He plans to solicit at least one additional sponsor as there are two plenary sessions. Donal O'Toole and Barb Powers will coordinate with Willie Reed on any further corporate solicitation for Foundation or travel awards.

B. NAHLN Steering Committee Update

The NAHLN Steering Committee met in Ames, Iowa in June and discussed several topics including criteria for laboratory selection, qualification check lists for membership in the network, and a policy for sample movement. Presentations were received from Booz, Allen and Hamilton and the Center for Food Security and Health at ISU for a NAHLN information system. Representatives from the Lawrence Livermore National Laboratory reviewed the laboratory's rapid diagnostics approach.

C. Network Updates (LRN, FERN)

Terry McElwain distributed the most recent qualification checklist for the Laboratory Response Network (LRN). The only addition to the checklist was the signature line for the State Public Health Director to sign off on lab participation. They are still working on what to do in the states where Public Health labs do not support veterinary diagnostic laboratory LRN membership. Phase one is in progress to include 8 state VDL's requested by their public health lab to join the LRN. Phase two of the LRN plan will include veterinary diagnostic labs not currently requested to be members by their state public health laboratory, and that could be added without additional funding. Efforts to obtain additional funding for vet labs are ongoing. Dr. McElwain solicited input from the board to take back to CDC.

Terry McElwain made a presentation in Chicago on the resources of AAVLD and the NAHLN during the Association of Food and Drug Officials (AFDO) post-conference laboratory workshop on integrating laboratory resources for national food security .

D. NAHEMS

Pat Blanchard indicated there is good partner information exchange at the meetings but there is a loss of direction, follow through and leadership due to high turnover of USDA facilitators so the committee has not been as productive as past years. She requested that the Presidents of AAVLD and USAHA write letters to USDA to request a consistent leadership for the committee. EPA joined the group in June and is actively pursuing writing national guidelines for solid waste disposal in the event of an emergency. Georgia Emergency Management Agency was funded to develop a model state agricultural information sharing and analysis center (ISAC). Department of Homeland Security will be meeting with food and ag groups soon to assist them in developing and funding their own ISAC's. For VDL this would be equivalent to how and what information we share, who analyzes it for trends and who can view it.

E. EPA Region 8 Proposed Waste Disposal Update

Donal O'Toole reported that three meetings with EPA have been held to discuss the proposed Region 8 waste disposal policy. EPA will be doing a risk assessment for the new waste disposal policy and is looking at the use of disinfection agents. The next meeting is August 5th and there will be one more meeting in August. No real changes have been made to this policy, however the EPA is very focused on chronic wasting disease and appear to want to implement the policy before hunting season. Donal and Barb Powers have put together a draft document of what they consider best practices for labs. Dr. O'Toole noted that the labs will have difficulty with zero tolerance for untreated potentially prion-contaminated wastewater.

6. NEW BUSINESS

A. USDA National Research Initiative

Guest, Brad Fenwick, Chief Animal Scientist and technical advisor for USDA-CSREES spoke on opportunities for the diagnostic community. He noted that there have been changes to the NRI, and it has evolved and changed to function in a way it has not done in the past. It has changed how it will approach diagnostic testing and new funding is available.

In regards to the NAHLN, Dr. Fenwick reminded the board that the NAHLN received one-time funding and encouraged them to continue to request more funding.

The National Research Initiative (NRI) is evolving and focusing on competitive programs that are more issue-based and issue-focused rather than discipline-based. The current aim is to provide more dollars to fewer programs. Additional input will be collected from stakeholders on importance/prioritization of priorities. Funding of diagnostic test development per se will be considered only when the test being developed will be useful to define important disease parameter such as persistence, pathogenesis and transmission. Development for the sake of surveillance or disease detection alone will not be considered for funding.

The launching of a new program, Organized Research Units (ORU), will create new funding opportunities. These ORUs are large grants that focus on specific areas. The first one for animal diseases will focus on Johne's disease, AI and /or PRRS and will be funded in the amount of \$4-5 million. The intent of the ORU is to promote collaboration. Two ORUs are planned for next year, one for plants and one for food safety. Proposals for the animal disease ORU are due at end of July. Dr. Fenwick welcomes involvement in determining what will be the next program. It is hoped that the ORUs will help to make NRI more responsive.

Dr. Fenwick noted that he would like AAVLD and NRI to work together to convince Congress that disease detection and surveillance needs an increase in funding. He suggested that veterinary diagnosticians should join forces with plant diagnostic groups to make that happen. He also suggested that CSREES might be willing to fund conferences to determine strategy for developing funding support for diagnostic test development, and that it would be best to hold the conference in Washington D.C. jointly with plant disease groups.

B. Involvement of AAVLD in USDA Surveillance Planning

Pat Blanchard reported that Valerie Ragan agreed to have someone from USDA address the Epidemiology committee on the National Surveillance Units planning principles. This will provide AAVLD an opportunity to provide science-based input on who to design surveillance plans for optimal return on funds.

C. Monkeypox testing guidance

Terry McElwain reported that he has worked with CDC on developing a document for guidance on Monkeypox testing. The Minnesota Veterinary Diagnostic Laboratory will be the first veterinary laboratory approved by CDC for Monkeypox real time PCR testing.

D. OIE Report

Terry McElwain distributed the "Summary of the 71st General Session of the Office of International des Epizooties (OIE)". One interesting technical item at the general session was AI vaccination. Dr. McElwain noted that AAVLD input is very valuable at this meeting and suggested that the board continue to send the AAVLD President, even though it is expensive. He also noted that it will be very difficult for members to become involved in commissions, other than those that are already involved through USDA (for example Bev Schmitt on the Biological Standards Commission), and that involvement on the commissions should probably not be a goal for AAVLD. However, we can have considerable impact by actively reviewing the manual chapters and providing comment for consideration of changes.

E. Electronic Registration for AAVLD/USAHA annual meeting

Alex Ardans presented an option for online registration for the annual AAVLD/USAHA annual meeting to the board. The Secretary/Treasurer's office recommends that AAVLD move to use RegOnline services for meeting registration beginning in 2004, and a raise the registration fees by \$10 to cover the costs. Using online registration services would increase security of credit card processing, increase reporting capabilities and provide more timely feedback to registrants. A motion was made to move forward with online registration for the annual meeting with the cost to be offset by both savings and registration fee increase (Maxie), seconded (O'Toole) and, after discussion, carried unanimously. The issue will be presented to the USAHA executive committee for their consideration during the October meeting.

F. AVMA Informatics Committee liaison

AAVLD now has a seat on the AVMA Informatics Committee, and Pam Parnell will be the liaison.

G. AAVLD Participation in USDA Vesicular Diseases Review

David Zeman will represent AAVLD in the USDA Vesicular Diseases review. The review will be held in the second week of August, and will involve meetings in Ames and Plum Island.

7. NEXT MEETING

The Fall Board meeting, in conjunction with the annual AAVLD/USAHA meeting, will be held in San Diego, CA on Friday, October 10th from 1pm-5pm.

Meeting was adjourned at 5:35PM

For Information on the Area click on www.towncountry.com and see area attractions.

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CANCELLATION POLICY: Deposits refundable if reservation
is cancelled 48 hours in advance of arrival date. **Be sure to
record your cancellation number.**

**UNITED STATES ANIMAL HEALTH ASSOCIATION
And
AMERICAN ASSOCIATION OF VETERINARY LABORATORY DIAGNOSTICIANS
2003 ANNUAL CONFERENCE
OCTOBER 9 – 16, 2003**

PLEASE RESERVE ACCOMODATIONS FOR (PLEASE PRINT OR TYPE)			
NAME:		COMPANY:	
ADDRESS:			
CITY/STATE/ZIP:			
SHARING ROOM WITH:			
Additional charge of TWENTY DOLLARS (\$20.00) for each EXTRA PERSON Over Two Persons per Room			CHILDREN UNDER 18 FREE WHEN STAYING WITH PARENTS AND UTILIZING EXISTING BEDS.
SIGNATURE:			
PLEASE INCLUDE FIRST NIGHT'S DEPOSIT BY CHECK OR DEPOSIT CAN BE CHARGED TO ONE OF THE FOLLOWING CREDIT CARDS TO CONFIRM YOUR RESERVATION			
<input type="checkbox"/> AMEX <input type="checkbox"/> DINERS <input type="checkbox"/> MASTER CARD <input type="checkbox"/> CARTE BLANCHE <input type="checkbox"/> DISCOVER <input type="checkbox"/> VISA		CC# _____ EXPIRATION DATE: _____	
CIRCLE RATE: ACCOMODATION	Royal Palm Tower	Regency Tower/Courtyard	Garden
SINGLE (1 person)	\$135.00	\$125.00	\$116.00
DOUBLE (2 persons)	\$135.00	\$125.00	\$116.00
TRIPLE (3 persons)			
QUAD (4 persons)			
Smoking © Non-Smoking ©			Estimated Time of Arrival: _____ Arrival Date: _____ Departure Date: _____ (Check in 3:00 p.m. – Check-out 11:00 a.m.) Reservations processed before: September 17, 2003 (cut off date) receive priority consideration at Town & Country. Overflow housing arrangements will be made as necessary

RATES PLUS PREVAILING TAX.

If rate requested is not available, nearest available rate will be assigned.

Convention Rate will be extended 3 days before and 3 after meeting on availability basis only. Sorry! No Pets.

RESERVATIONS: (800) 772-8527 or Fax: 619-291-3584

On-Line: <http://www.secure-res.com/group/login.asp?hotelid=588> use conference code USAHA03 as password

CL Davis Symposium: Diagnostic Reproductive Pathology

October 10, 2003, Friday, 8am- 5:30pm
Town and Country Hotel, San Diego, CA
in conjunction with AAVLD annual meeting

The Charles Louis Davis DVM Foundation will be conducting an eight-hour continuing education symposium entitled “Diagnostic Reproductive Pathology” on October 10, 2003. Course Director Matti Kiupel (Michigan State University) and invited guest lecturers Mark Anderson (University of California Animal Health and Food Safety System), Lenn Harrison (University of Kentucky Diagnostic Laboratory, Lexington), Dave Steffen (University of Nebraska Diagnostic laboratory) and Mike Yaeger (Iowa State University Veterinary Diagnostic Laboratory). Topics that will be covered include reproductive pathology particularly abortion diagnostics in equine, bovine and swine including use of newer technologies in abortion diagnostics and new and emerging congenital diseases and their causes. Didactic lectures will be combined with audience participation to result in an engrossing day-long seminar. CL Davis is an approved CE provider.

Don't miss out on what promises to be another exciting C.L. Davis/AAVLD co-sponsored symposium.

Tuition of \$125 includes refreshments, CD of presentations and continuing education credits. Please Pre-register to guarantee receipt of materials. Registration is through CL Davis and is separate from meeting registration fees.

Additional information and registration materials are available at the CL Davis Foundation Web site: <http://www.afip.org/CLDavis>

Abortion Diagnostic Methodologies	Yaeger	08.00 – 09.00
Porcine Abortion Diseases and Diagnostics	Yaeger	09.00 – 09.45
Break	15 min	09.45 – 10.00
Bovine Abortion Diseases and Diagnostics	Andersen	10.00 – 12.00
Lunch	1 hour	12.00 – 13.00
Equine Abortion Diseases and Diagnostics	Harrison	13.00 – 15.00
Break	15 min	15.00 – 15.15
Fundamentals of Mendelian inheritance and teratology	Steffen	15.15 – 15.45
Diagnostic approaches to congenital diseases	Steffen	15.45 – 16.15
Emerging syndromes of current concern (tibial hemimelia, dwarfism, complex vertebral malformation, etc.)	Steffen	16.15 – 17.15
Time for Discussion	15 –30 min	17.15 – 17.45

ANAEROBIC WORKSHOP

San Diego AAVLD meeting Thursday, October 9, 2003, 8:00am - 5:00pm

The workshop sponsored by the Bacteriology/Mycology/Anaerobic group will be presented by Mike Cox and associates of Anaerobe Systems, Inc.

This is a great workshop for bench microbiologists to learn about anaerobic bacteriologic techniques which will include theory, culture techniques, identification and new information about anaerobic antimicrobial susceptibility testing.

There are 50 slots available which will be filled on a first come first served basis.

Contact William H. Fales, PhD at Falesw@Missouri.edu or phone: 573-882-6811 for questions.



REGISTRATION FORM FOR AAVLD ANAEROBE WORKSHOP

Name: _____ Email: _____

Phone: _____ FAX: _____

Address: _____

City/State/Country/ Zip code: _____

REGISTRATION FEE: \$ 70.00

The fee will cover books, speaker costs and coffee. Lunch is not included.

Payments should be made payable to AAVLD in US Dollars by check, VISA, Master Charge or international money order.

Please send payment with this form to:

AAVLD, PO Box 1770, Davis, CA 95617 USA or Fax: 530-752-5680

Credit Card Payment information:

Card No. _____ Visa _____ M/C _____

Expiration Date _____ Signature: _____

AAVLD/USAHA ANNUAL MEETING AGENDA AS OF AUGUST 7, 2003

ANNOUNCEMENTS

USAHA/AAVLD HEADQUARTERS HOTEL – The Town and Country Hotel, San Diego, CA, Telephone number 1-800-772-8527 for reservations or you can make reservations online at www.towncountry.com and your Conference Code is USAH03.

USAHA/AAVLD REGISTRATION

Atlas Foyer Registration

Thursday, October 9 – 12:00noon-5:00pm

Friday, October 10 - 8:00am-5:00pm

Saturday, October 11 - 8:00am-5:00pm

Sunday, October 12 - 8:00am-5:00pm

Monday, October 13 - 8:00am-5:00pm

Tuesday, October 14 - 8:00am-5:00pm

Wednesday, October 15 - 8:00am-5:00pm

REGISTRATION FEES

Member's Pre-registration Fee: \$200.00

Non-Members Pre-registration Fee: \$350.00

Member's Registration Fee at Meeting: \$250.00

USAHA Life Member Pre-registration Fee*: \$100.00 (per USAHA bylaws)

USAHA Life Member Registration Fee at Meeting*: \$125.00 (per USAHA bylaws)

Non-Members Registration Fee at Meeting: \$350.00

Spouse's Registration Fee: \$50.00

USAHA Annual Dues - 2004: \$100.00

AAVLD Annual Dues – 2004: \$75.00

AAVLD Graduate Students Registration 2003 - \$100.00

AAVLD Graduate Student Dues 2004 - \$25.00

Prayer Breakfast - \$15.00

Please register early. Wear your badge when attending all meetings. (You must have a badge in order to attend the meetings.)

AAVLD EXHIBITS/POSTERS

Golden Ballroom

Saturday, October 11 – 12:00noon-5:00pm

Sunday, October 12 – 8:00am-3:30pm

Monday, October 13 – 8:00am-1:00pm

BULLETIN BOARD

The Bulletin Board will be located at the registration desk in the Atlas Foyer. Please check the bulletin board often for last minute changes in program, time and location of committee meetings, personal messages, telephone calls and faxes.

USAHA WORK ROOM

Located in the Terrace Salon 1 Room and will be open Friday through Wednesday, 8:00AM-5:00PM for the use of Committee Chairpersons in preparing reports. The workroom is equipped with word processors, typists and a copier.

PRESS ROOM and COMMITTEE REPORT READING ROOM

Located in the Terrace Salon 2 Room. Mr. Larry Mark will be in charge of the Press Room. There will be an area set aside to read committee report.

SPEAKER READY ROOM

Terrace Salon 2 Room

Friday – 12:00noon-5:00pm, Saturday – 7:00am-5:00pm, Sunday – 7:00am-5:00pm, Monday – 7:00am – 12:00noon

USDA, APHIS WORK ROOM

Royal Palm Salon 1 Room – Friday-Thursday.

DAILY EVENTS

THURSDAY – OCTOBER 9, 2003

AAVLD Anaerobics Workshop – 8:00am-5:00pm; Royal Palm Salon 4/5 Rooms.

Johne's Working Group – 8:00am-9:00pm; Windsor Room.

National Milk Producers Federation – 12:00noon-9:00pm; Ascot Room.

AAVLD Accreditation Committee – 1:00-5:00pm; Royal Palm Salon 3 Room.

AAVLD Approved Methods Committee – 2:00-5:00pm; Royal Palm Salon 2 Room.

AAVLD Food Safety Committee – 6:30-8:30pm – Royal Palm Salon 6 Room

FRIDAY – OCTOBER 10, 2003

AAVLD Financial Advisory Committee - 7:30-8:30am; Devonshire Room.

AAVLD CL Davis Diagnostic Reproductive Pathology – 8:00am-5:30pm; Golden West Room.

AAVLD Subcommittee on Bacteriology and Mycology - 8:00am-12:00noon; Royal Palm Salon 4/5 Rooms.

AAVLD Publications Committee – 8:00-10:00am; Devonshire Room.

AAVLD Quality Assurance Committee – 10:00am - Noon; Pacific Salon 7 Room.

AAVLD Emergency Preparedness Workgroup – 9:00-10:00am – Royal Palm Salon 6 Room.

AAVLD Accreditation Committee - 8:00am-12:00noon; Royal Palm Salon 2 Room.

Johne's Working Group – 8:00am-6:00pm; Town & Country Room.

AAVLD Epidemiology Committee – 10:00am-12:00noon; Royal Palm Salon 3 Room.

USAHA Executive Committee - 12:00Noon-5:00pm; Tiffany Room.

AAVLD Virology Committee - 1:00-4:00pm; San Diego Room.

AAVLD Subcommittee on Antimicrobial Susceptibility Testing - 1:00-3:00pm; Royal Palm Salon 4/5 Rooms.
AAVLD Executive Board - 1:00-5:00pm; Royal Palm Salon 2 Room.
ABVT Executive Board – 1:00-2:00pm; Pacific Salon 7 Room.
AAVLD Informatics Committee - 1:00-3:00pm; Royal Palm Salon 6 Room.
AAVCT Annual Meeting – 2:00-3:00pm; Royal Palm Salon 3 Room.
AAVCT – Veterinary Toxicology Case Presentations – 3:00-4:30pm; Royal Palm Salon 3 Room.
AAVLD Enteric Diseases Committee – 3:00-5:00pm; Royal Palm Salon 4/5 Rooms.
NAHLN Information Technology Committee - 3:00-5:00pm Royal Palm Salon 6
AAVLD Serology Committee - 4:00-6:00pm; San Diego Room.
AAVLD Editorial Board of JVDI – 4:00-6:00pm; Pacific Salon 7 Room.
AAVLD Constitution and Bylaws Committee – 5:00-6:00pm; Devonshire Room.
AAVLD President’s Reception for AAVLD members– 6:00-8:00pm; Terrace Pavilion.
AAVLD Foundation Committee – 8:00-9:00pm; Pacific Salon 7 Room.

SATURDAY – OCTOBER 11, 2003

AAVLD – Trek Diagnostic Breakfast – 6:30-8:00am; Pacific Salon 3 Room.
National Animal Health Emergency Management Steering Committee – 8:00am-5:00pm; Pacific Salon 4/5 Rooms.
AAVLD –Emerging Zoonotic Viral Diseases Plenary Scientific Session – 8:00-11:15am; Town & Country Room.
AAVLD House of Delegates and General Membership – 11:15am-12:00noon; Town & Country Room.
AAVLD Exhibits and Poster Session - 12:00noon-5:00pm; Golden Ballroom
Feral Swine Meeting - 1:00-4:00pm; Sunset Room.
AAVLD – Transmissible Spongiform Encephalopathy/Pathology Scientific Session – 1:00-3:00pm; Town and Country Room
AAVLD – Toxicology Scientific Session – 1:00-3:00pm; San Diego Room.
AAVLD – Molecular Diagnostics Scientific Session – 1:00-3:00pm; Pacific Salon 1 Room.
AAVLD – Microbiology Scientific Session – 1:00-3:00pm; Pacific Salon 2 Room.
AAVLD – Avian Diagnostics Scientific Session– 1:00-3:00pm; Pacific Salon 3 Room.
AAVLD Administrative Management Personnel Committee - 1:00-5:00pm; Royal Palm Salons 4/5 Rooms.
American Horse Council Health and Regulatory Committee – 1:00-5:00pm; Pacific Salon 6 Room.
USAHA Public Relations Committee - 3:00-5:00pm; Stratford Room.
AAVLD Veterinary Analytical Toxicology & Mycotoxins/USAHA Environmental Residues Committee – 3:30- 6:30pm; Pacific Salon 3 Room.
AAVLD Diagnostic Bacteriology Case Reports–3:30-6:00pm; Pacific Salon 2 Room.
AAVLD Government Relations Committee – 3:30-5:30pm; Towne Room.
National Cattlemen’s Beef Association – 3:30-6:30pm; Esquire Room.
AAVLD Histopathology Slide Seminar - 3:30-6:00pm; Pacific Salon 1 Room.
AAVLD Membership Committee – 5:00-6:00pm; Devonshire Room.
AAVLD Laboratory Directors Committee - 5:30-7:30pm; Royal Palm Salons 2/3 Rooms.
Board of Directors of the American Assoc. of Food Hygiene Veterinarians - 6:00-10:00pm; Stratford Room.
USAHA Program Committee – 6:00-8:30pm; Royal Palm Salon 6 Room.
Extension Veterinarians – 6:00-10:00pm; Pacific Salon 6 Room.
Trek para-JEM Users Group Dinner by invitation - 6:30-8:30pm, Sunset Room
AAVLD –Joint Approved Methods and Epidemiology Committee Session on Foreign Animal Disease Test Validation 8:00-10:00pm; Pacific Salon 1.
AAVLD Bacteriology Steering Committee - 8:00-10:00pm; Royal Palm Salon 4/5 Rooms.

SUNDAY – OCTOBER 12, 2003

Prayer Breakfast – 6:30-8:00am; Terrace Pavilion.
USAHA Brucellosis Subcommittee on Education - 8:00am-12:00noon; Windsor Room.
AAVLD Exhibits and Posters - 8:00am-3:30pm; Golden Ballroom.
Food Safety Symposium - 8:00am-12:00noon; Sunrise Room.
National Assembly of Chief Livestock Health Officials Meeting & Luncheon - 8:00am-12:00noon; Golden West Room
AAVLD – Pathology Scientific Session – 8:00am-12:00noon Town and Country Room
AAVLD – Fecal Detection Methods for *M. paratuberculosis* Scientific Session – 8:00am-12:00noon; San Diego Room
AAVLD – Virology Scientific Session – 8:00-12:00noon; Pacific Salon 1 Room.
AAVLD – Epidemiology Scientific Session –8:00-12:00noon; Pacific Salon 2 Room.
AAVLD – Bacteriology Scientific Session – 8:00-12:00noon; Pacific Salon 3 Room.
AAVLD Administrative Management Personnel Committee - 8:00am-12:00noon; Royal Palm 4/5 Rooms.
National Cattlemen’s Beef Association - 8:30am-12:00noon; Esquire Room.
USAHA Scientific Advisory Sub-Committee on Brucellosis – 9:00am-12:00noon; Stratford Room.
NMPF/Animal Disease Committee - 11:00am-4:00pm; Royal Palm Salon 6 Room.
AAVLD Pathology Committee – 12:00noon-2:00pm; Pacific Salon 7
USAHA Brucellosis Committee - 12:30-5:30pm; California Room
USAHA Captive Wildlife and Alternative Livestock Committee – 12:30-5:30pm; Windsor Room.
USAHA Food Safety Committee - 12:30-5:30pm; Hampton Room.
USAHA Infectious Diseases of Horses Committee - 12:30-5:30pm; Sunset Room.
USAHA Salmonella Committee - 12:30-5:30pm; Sheffield Room.

APHIS/VS Managers Workshop Conference - 1:00-5:00pm – Sunrise Room.
USAHA Mycoplasma Subcommittee of Poultry – 1:00-5:00pm; Pacific Salon 6 Room.
AAVLD Laboratory Safety/Waste Disposal Committee – 1:00-5:00pm; Pacific Salon 4/5 Rooms.
USAHA/AAVLD Aquaculture Committee – 1:00-5:00pm; Pacific Salon 3 Room.
USAHA/AAVLD Animal Health Information Systems Committee – 1:00-5:00pm; Royal Palm 2/3 Rooms.
District at Large (Allied, Industry and Regional) - 1:00-3:00pm; Towne Room.
USAHA Scientific Advisory Sub-Committee on TB – 3:30-5:30pm; Stratford Room.
USAHA Orientation for New Members – 4:30-5:30pm; Esquire Room.
USAHA/AAVLD President's Reception and Dinner - 5:30-6:45pm; Town & Country and San Diego Ballrooms.
USAHA/AAVLD General Session - 7:00-8:00pm; Town & Country and San Diego Ballrooms.

MONDAY – OCTOBER 13, 2003

AAVLD Past Presidents Breakfast - 6:30-8:00am; Dover Room.
AAVLD Exhibits and Posters - 8:00am-1:00pm; Golden Ballroom.
USAHA Business Session –7:30-8:00am; Town and Country Room.
USAHA/AAVLD Joint Plenary Scientific Session –8:00-11:30am; Town and Country Room.
AAVLD House of Delegates - 11:30am-12:30pm, Town and Country Room.
Spouses Brunch - 9:30-12:00noon; Terrace Pavilion.
Directors of State Meat Inspection – 12:30-5:30pm; Royal Palm salon 4/5 Rooms.
USAHA Animal Welfare Committee – 12:30-5:30pm; San Diego Room.
USAHA Biologics and Biotechnology Committee - 12:30-5:30pm; Sunset Room.
USAHA Bluetongue and Bovine Retrovirus Committee - 12:30-5:30pm; Pacific Salon 3 Room.
USAHA Foreign and Emerging Diseases Committee - 1:00-5:30pm; California Room.
USAHA Infectious Diseases of Cattle, Bison and Lama Committee - 12:30-5:30pm; Royal Palm Salon 2 Room.
USAHA John's Disease Committee - 12:30-5:30pm; Pacific Salon 1/2 Rooms.
Scrapie subcommittee of the USAHA Sheep and Goat Committee – 12:30-5:30pm; Royal Palm Salon 3 Room.
USAHA Transmissible Diseases of Poultry Committee - 12:30-5:30pm; Sheffield Room.
AAVLD Committee Chairs and Program Committee – 1:30-4:00pm; Stratford Room.
AAVLD Executive Committee - 4:00-5:00pm; Stratford Room
American Association of Avian Pathologist Liaison with AVMA – 5:00-7:00pm; Royal Palm Salon 6 Room.
National Association of Federal Veterinarians – 5:30-8:00pm; Windsor Room

TUESDAY, OCTOBER 14, 2003

Northeast Breakfast - 6:30-8:30am; Sunset Room.
North Central Meeting and Breakfast - 7:00-11:30am; Windsor Ballroom.
Southern Animal Health Association Breakfast - 7:00-9:00am; Royal Palms Salon 2/3 Rooms.
Western States Livestock Health Association Breakfast and Meeting - 7:00am-12:00noon; San Diego Room.
Directors of State Meat Inspection - 8:00am-5:30pm; Garden Salon 2 Room.
USAHA Sheep and Goat Committee - 9:00am-1:00pm; Pacific Salon 6/7 Rooms.
USAHA Special Laboratory Issues Session - 9:00am-3:00pm; Golden Ballroom.
USAHA/AAVLD Officers Luncheon – 12:00noon-2:00pm; Stratford Room.
USAHA Feed Safety Committee – 12:30-5:30pm; Pacific Salon 1 Room.
USAHA Foreign and Emerging Diseases Committee - 12:30-5:30pm; Town & Country Room.
USAHA Import-Export Committee – 12:30-5:30pm; Pacific Salon 2 Room.
USAHA Tuberculosis Committee - 12:30-5:30pm; California Room.
USAHA Livestock Identification Committee – 12:30-5:30pm; Pacific Salon 3 Room.
USAHA Pharmaceuticals Committee – 12:30-5:30pm; Royal Palm Salon 5 Room.
USAHA Pseudorabies Committee – 12:30-5:30pm; Royal Palm Salon 3/4 Rooms.
USAHA Transmissible Diseases of Poultry Committee –12:30-5:30pm; Sunrise Room.
USAHA Wildlife Diseases Committee – 12:30-5:30pm; Sunset Room.
National Scrapie Oversight Committee - 1:00pm-5:00pm; Pacific Salon 6/7 Rooms.
USAHA Board of Directors – 6:00; San Diego Room.

WEDNESDAY, OCTOBER 15, 2003

USAHA Past President's Breakfast - 7:00-9:00am; Royal Palm Salon 4 Room.
USAHA Parasitic Diseases Committee – 7:00am-12:00noon; Royal Palm Salon 2/3 Rooms.
USAHA Public Health and Rabies Committee – 7:00am-12:00noon; Royal Palm Salon 6 Room.
USAHA Transmissible Diseases of Swine Committee – 7:00am-12:00noon; Sunrise Room.
USAHA Tuberculosis Committee – 7:00am-12:00noon; Garden Ballroom.
USAHA General Session – Scientific Section - 1:00 -3:30pm; Regency Ballroom. followed by **Business Section** – 3:45-4:30pm
USAHA Board of Directors - 5:00pm; Garden Room.

THURSDAY, OCTOBER 16, 2003

USAHA General Session - 8:30-9:30am; Regency Ballroom.
USAHA Board of Directors - Immediately following the General Session; Sunrise Room
USAHA Executive Committee Meeting - 10:30am-3:00pm; Devonshire Room.

SCIENTIFIC SESSIONS

FIRST PLENARY SESSION

Emerging Viral Zoonotic Disease

Saturday, October 11, 2003 8:00-11:15 in the Town and Country Room

Moderator: Willie Reed

- 8:00 a.m. **Welcome and Announcements**
8:05 a.m. Animal Influenza Virus as a Zoonotic Agent – David Suarez
8:45 a.m. West Nile Virus: Update 2003 – Mike Bunning
9:15 a.m. West Nile Virus: Diagnosis and Replication – Pei-Yong Shi
9:45 a.m. **Break**
10:00 a.m. Epidemiology of SARS and Monkeypox – Tracee Treadwell
10:30 a.m. Identification of a New Coronavirus Associated with Severe Acute Respiratory Syndrome (SARS) Virus – Thomas G. Ksiazek
11:15 a.m. **House of Delegates**

MOLECULAR DIAGNOSTIC SCIENTIFIC SESSION

Saturday, October 11, 2003, 1:00 p.m.-3:00 p.m. Pacific Salon 1

- 1:00 p.m. Detection of Group C Rotavirus in Juvenile Ferrets with Diarrhea by RT-PCR: Sequencing and Analysis of the Complete Coding Region of the VP6 Gene – A. G. Wise, M. Kiupel, and R. K. Maes
1:15 p.m. Detection of *Mycobacterium avium* subsp. *paratuberculosis* Using a Real-time Polymerase Chain Reaction and Hybridization Probes Format – P. R. Anderson and P. I. Tyrrell
1:30 p.m. Evaluation of Multiple *Mycobacterium avium* subspecies *paratuberculosis*-specific Genomic Targets by Real Time PCR – S. Rajeev, Y. Zhang, S. Sreevatsan, A. S. Motiwala, W. Shulaw, and B. Byrum
1:45 p.m. Use of Conventional and Real-time PCR for Confirmation of *Mycobacterium avium* subsp. *paratuberculosis* in a Liquid Culture System – E. H. Kim, S. G. Kim, S. M. Stehman, and S. J. Shin
2:00 p.m. Evaluation of *Burkholderia pseudomallei* Nested PCR Primers for Detection of *Burkholderia mallei* – L. H. Lauerman and L. C. Schroeder-Tucker
2:15 p.m. Detection of West Nile Virus in Equine Neurological Tissue by Real-time RT-PCR – **J. D. Callahan***, S. F. Sells, T. A. Gay, M. R. Reos, M. L. Vickers, G. W. Long, and W. M. Nelson
2:30 p.m. Microarray Hybridization Analysis: Development of a New Diagnostic Test for the Detection of Swine Pathogens – **M. L. Gramer***, S. R. Baker, C. M. Dvorak, K. A. Hyland, J. E. Collins, K. D. Rossow, and K. S. Faaberg
2:45 p.m. Quantification of Porcine Reproductive and Respiratory Syndrome Virus in Semen from Naturally Infected Boars by Real Time TaqMan RT-PCR – C. E. Wees, M. L. Gramer, K. D. Rossow, and K. S. Faaberg

***Graduate Student Competition**

AVIAN DIAGNOSTIC SCIENTIFIC SESSION

Saturday, October 11, 2003, 1:00 p.m.-3:00 p.m., Pacific Salon 3

- 1:00 p.m. The Diagnosis of Exotic Newcastle Disease in Southern California: 2002-2003 – H. Kinde, F. Uzal, S. Hietala, D. Read, A. Ardans, J. Odani, B. Barr, B. Daft, P. Blanchard, J. Moore, M. McFarland, B. Charlton, H. Shivaprasad, R. Chin, M. Rezvani, F. Sommer, D. Zellner, R. Moeller, M. Anderson, L. Woods, P. Pedsavento, P. Cortes, P. Woolcock, R. Breitmeyer, D. Castellan, and L. Garber
1:15 p.m. Diagnostic Associations Between Gross Lesions and Virus Isolation During the 2002-2003 Newcastle Disease Outbreak in California – F. A. Uzal, M. McFarland, P. Woolcock, J. Odani, D. Read, B. Daft, J. Moore, H. Kinde, H. Shivaprasad, R. Chin, M. Rezvani, P. Blanchard, B. Charlton, F. Sommer, D. Zellner, R. Moeller, M. Anderson, L. Woods, B. Barr, and D. Hird
1:30 p.m. Characterization of Avian Paramyxovirus-1 Virus from California Pigeons During the 2002-2003 Exotic Newcastle Disease Outbreak – P. J. Hullinger, S. K. Hietala, H. Kinde, B. M. Schikora, L. M. Shih, J. T. Case, V. Velez, S. H. Wainwright, R. E. Breitmeyer, and A. A. Ardans
1:45 p.m. Development and Validation of Real-time RT-PCR Test for Avian Paramyxovirus Type 1 and Exotic Newcastle Disease Virus – E. Spackman, M. G. Wise, D. L. Suarez, D. A. Senne, J. C. Pedersen, J. King, D. E. Swayne, C. Lee, and B. S. Seal
2:00 p.m. High Volume Real-time RT-PCR for Detection of END During the 2002/2003 Exotic Newcastle Disease Outbreak – B. M. Schikora, L. M. Shih, L. Lee, R. Martinez, S. K. Hietala, and A. A. Ardans
2:15 p.m. Air-sampling for the Detection of Exotic Newcastle Disease Virus in Poultry Houses – S. K. Hietala, P. J. Hullinger, A. A. Ardans, H. Kinde, M. McFarland, E. Skowronski, P. McCready, B. M. Schikora, L. M. Shih, and L. Lee
2:30 p.m. New Procedures of Early Detection of Avian Viruses in Cell Cultures – H. Lu
2:45 p.m. A Chicken Layer Complex Infected with *Salmonella enteritidis* – A. Singh Dhillon, F. Wier, D. Schaberg, S. Weber, and D. Bandli

MICROBIOLOGY DIAGNOSTIC SCIENTIFIC SESSION

Saturday, October 11, 2003, 1:00 p.m.-3:00 p.m., Pacific Salon 2

- 1:00 p.m. Experimental Aerosol Transmission of Sheep-Associated Maligned Catarrhal Fever Virus in Sheep – H. Li, O. Kim, and T. B. Crawford
- 1:15 p.m. An Atypical Case of Vaccine-Induced Distemper in a Red Panda – R. Maes, S. Fitzgerald, A. G. Wise, C. Benson, M. Denver, E. Bronson, and M. Vandeveld
- 1:30 p.m. Detection of Porcine Circovirus Type 2 Viremia and Seroconversion in Naturally Infected Piglets – **K. A. McIntosh***, J. C. Harding, J. A. Ellis, and G. D. Appleyard
- 1:45 p.m. Western Blot Immunoassay as a Confirmatory Test for ELISAs to Detect Antibodies Against *Mycoplasma hyopneumoniae* – **M. Ameri-Mahabadi*** and E.-M. Zhou
- 2:00 p.m. ‘Atypical’ *Mycobacterium* Observed in Colorado Dairies Upon Johne’s Fecal Culture and Reactions with Other Johne’s Diagnostic Assays – **T. A. Brigner***, M. D. Salman, M. C. Antognoli, H. Hirst, and J. Payeur
- 2:15 p.m. Evaluation of Use of Pooled Fecal Culture for Detection of Johne’s Disease in Cattle Herds: Comparison to ELISA Screening and Individual Fecal Culture for Detection of *Mycobacterium a. paratuberculosis* Infection – S. M. Stehman, S. J. Shin, R. Craver, V. Patten, S. G. Kim, and J. Huntley
- 2:30 p.m. Evaluation of the Sensitivity of Three ELISA Tests for the Detection of *Mycobacterium avium paratuberculosis* Infection Using Tissue Culture as a Gold Standard – S. L. B. McKenna, G. P. Keefe, D. C. Sockett, J. A. VanLeeuwen, J. McClure, P. Hanna, E. Spangler, and H. W. Barkema
- 2:45 p.m. Comparison of Indirect ELISA and Virus Neutralization Test for Detection of Antibody Against Seal Herpesvirus Type 1 – J. T. Saliki and B. L. Moore

*Graduate Student Competition

TOXICOLOGY SCIENTIFIC SESSION

Saturday, October 11, 2003, 1:00 a.m.-3:00 p.m., San Diego Room

- 1:00 p.m. Applications of Solid Phase Extraction in a Veterinary Toxicology Laboratory: Analysis of Drugs of Abuse – M. Johnson, W. K. Rumbleha, J. A. D’Asaro, M. Telepchak, and Z. Yang
- 1:15 p.m. Determination of High Concentrations of Selenium in Livestock Feeds by HVG-ICP – L. Melton and B. Puschner
- 1:30 p.m. Quest for Diagnostic Markers of Easter Lily Poisoning in Cats – W. K. Rumbleha, M. G. Nair, S. D. Fitzgerald, K. Holan, and J. A. Francis
- 1:45 p.m. Atypical Sodium Intoxication in Range Cows – M. F. Raisbeck, M. Smylie, R. A. Siemion, and E. S. Williams
- 2:00 p.m. Influence of Age and Production Type on Liver Copper Concentrations in Calves – J. H. Tegzes, B. Puschner, Y. K. Choi, and M. C. Thurmond
- 2:15 p.m. Cyanobacteria Poisoning in Three Dogs – B. Puschner, C. E. Hagan, W. W. Carmichael, and E. R. Tor
- 2:30 p.m. Liver Selenium by Inductively Coupled Plasma-Mass Spectrometry – I. Rudik Miksa, C. L. Buckley, N. P. Carpenter, and R. H. Poppenga
- 2:45 p.m. Iatrogenic Toxicology: Veterinarians Beware – R. H. Poppenga, I. Rudik-Miksa, C. Barr, T. J. Vicek, and J. J. Pruitt

TRANSMISSIBLE SPONGIFORM ENCEPHALOPATHY / PATHOLOGY SCIENTIFIC SESSION

Saturday, October 11, 2003, 1:00 p.m.-3:00 p.m., Town and Country Room

- 1:00 p.m. Prion Protein Genotypes in Natural Scrapie in Suffolk Sheep – V. Yuzbasiyan-Gurkan, M. Kiupel, Y. Cao, A. G. Wise, R. Maes, and P. J. Venta
- 1:15 p.m. Genetic Susceptibility to CWD in Cervids: Three Species, Three Answers – K. I. O’Rourke, K. A. Brayton, and D. P. Knowles
- 1:30 p.m. Patterns of PrP^{CWD} Distribution and Spongiform Encephalopathy in the Obex and PrP^{CWD} in Lymphoid Tissues of Rocky Mountain Elk with Chronic Wasting Disease – T. R. Spraker, A. Balachandran, and K. I. O’Rourke
- 1:45 p.m. Molecular Analysis of Scrapie and Chronic Wasting Disease Isolates from the U.S. – J. A. Richt, A. N. Hamir, J. C. Bartz, and R. A. Bessen
- 2:00 p.m. Field Study Validation of a Commercial High-throughput Chronic Wasting Disease Diagnostic Test for White-tail and Mule Deer – S. Adams, M. Miller, J. Jewell, P. Bochsler, K. O’Rourke, and T. McGuire
- 2:15 p.m. Canadian BSE Surveillance: Present and Future – E. Moffat, U. Kessler, and S. Czub
- 2:30 p.m. An Outbreak of Intestinal Cryptosporidiosis in a Raccoon Rehabilitation Center – M. J. Yaeger and B. J. Janke
- 2:45 p.m. Prognostic Classification of Canine Cutaneous Mast Cell Tumors Based on Location, Depth and Staining Patterns of *c-KIT* and Tryptase – **J. D. Webster***, M. Kiupel, and J. B. Kaneene

*Graduate Student Competition

PATHOLOGY SCIENTIFIC SESSION

Sunday, October 12, 2003, 8:00 a.m.-12:00 p.m., Town and Country Room

- 8:00 a.m. Myocardial Degeneration and Death in Three Horses Associated with Ingestion of Grass Hay Containing Summer Adonis (*Adonis aestivalis*) – L. W. Woods M. S. Filigenzi, B. Puschner, M. C. Booth, L. Rodger, and W. Liberman
- 8:15 a.m. Evidence that Horses are Natural Intermediate Hosts for *Sarcocystis neurona* – T. P. Mullaney, M. Kiupel, A. J. Murphy, L. S. Mansfield, and J. A. Bell
- 8:30 a.m. Idiopathic Perivascularitis and Arterial Rupture in a Shetland Ewe – S. D. Fitzgerald, M. Kiupel, A. Wise, and R. K. Maes
- 8:45 a.m. Pathology of Exotic Newcastle Disease in Backyard and Commercial Layer Chickens During the 2002-2003 California Outbreak – **J. Odani***, D. Read, B. Daft, H. Kinde, J. Moore, F. Uzal, H. Shivaprasad, R. Chin, M. Rezvani, P. Woolcock, M. D. McFarland, P. Cortez, B. Charlton, F. Sommer, D. Zellner, R. Moeller, M. Anderson, L. Woods, B. Barr, and P. Pesavento
- 9:00 a.m. Renal Pathology Associated with Grape or Raisin Ingestion in Canines: 10 Case – **C. K. Morrow***, V. E. Valli, and P. A. Volmer
- 9:15 a.m. Concurrent Pulmonary Adenocarcinoma, Gastric Carcinoma, Meningioma and Leiomyosarcoma in a Dog – **A. T. David*** and J. A. Ramos-Vara
- 9:30 a.m. Virulent, Systemic Feline Calicivirus: Pathology of Natural Infection – **P. A. Pesavento***, L. Dillard-Telm, C. Grant, and K. F. Hurley
- 9:45 a.m. **Break and Poster Session**
- 10:15 a.m. Brucellosis in Captive Rocky Mountain Bighorn Sheep (*Ovis canadensis*) Caused by *Brucella abortus* Biovar 4: Diagnosis and Lesions – T. E. Cornish, T. J. Kreeger, W. E. Cook, and W. H. Edwards
- 10:30 a.m. The Use of a Commercial Mycotoxin Binder to Alleviate the Effects of Ochratoxin A and Zearalenone in Mink – B. Yamini and S. Bursian
- 10:45 a.m. Hereditary Equine Regional Dermal Asthenia (Hyperelastosis Cutis) in 50 Horses – P. C. Schultheiss, D. W. Hamar, S. D. White, V. Affolter, and D. M. Bannasch
- 11:00 a.m. Experimental Inoculation of *Mycobacterium bovis* in Two Rodent Species: Meadow Voles (*Microtus pennsylvanicus*) and House Mice (*Mus musculus*) – **K. R. Clarke***, S. D. Fitzgerald, L. S. Zwick, D. Berry, S. Church, C. Bolin, and W. M. Reed
- 11:15 a.m. *Mycoplasma bovis*: An Important Cause of Mortality in Ontario Beef Feedlots – **M. Gagea***, K. G. Bateman, T. van Dreumel, B. McEwen, S. Carman, M. Archambault, and J. L. Caswell
- 11:30 a.m. Respiratory Disease in Feedlot Cattle: Isolation of Infectious Agents and Lung Lesions in Fatal Feedlot Cases – R. W. Fulton, K. S. Blood, R. J. Panciera, A. W. Confer, J. F. Ridpath, J. T. Saliki, R. D. Welsh, and B. J. Johnson
- 11:45 a.m. Immunohistochemical Detection of Thyroid Transcription Factor-1 (TTF-1) in Canine Pulmonary Tumors – J. A. Ramos-Vara, M. A. Miller, and G. C. Johnson

*Graduate Student Competition

BACTERIOLOGY SCIENTIFIC SESSION

Sunday, October 12, 2003, 8:00 a.m.-12:00 p.m., Pacific Salon 3

- 8:00 a.m. The Role of *Pasteurella multocida* Type D Strains Recovered from Pig Lungs – P. Camp, L. J. Hoffman, and T. Klinefelter
- 8:15 a.m. Investigation of *Moraxella ovis* Isolates Recovered from Cases of Infectious Bovine Keratoconjunctivitis – H. E. Cerny, D. G. Rogers, J. T. Gray, S. Hinkley, and D. R. Smith
- 8:30 a.m. Detection of *Ehrlichia ruminantium* by PCR in Experimentally Infected White-tailed Deer – J. V. Warg, T. Gidlewski, M. Palmer, and S. L. Swenson
- 8:45 a.m. Detection of *Escherichia coli* Serotype O55 by PCR Amplification of *wzx* and *wzy* Genes of O Antigen Gene Cluster – C. DebRoy, J. Kundrat, E. Roberts, C. E. Briggs, and P. M. Fratamico
- 9:00 a.m. Effects of Various Broth Media on Antimicrobial Susceptibility Testing – D. R. Hyatt, P. S. Morley, D. A. Dargatz, and G. A. Dewell
- 9:15 a.m. Hemorrhagic Skin Lesions in the Muskellunge (*Esox masquinongy*) Population of Lake St. Clair Caused by a *Piscirickettsia* sp. – M. Faisal and B. L. Moore
- 9:30 a.m. Exclusion of Known Foreign Animal Disease Strains of *Mycoplasma* in Grey Rhebok (*Pelea capreolus*) With Respiratory Distress – G. Mayr, G. Ward, M. Berninger, J. Hayes, T. S. McKenna, and S. A. Shawky
- 9:45 a.m. **Break and Poster Session**
- 10:15 a.m. Studies on the So-called “Clostridial Enteritis” of Cattle – F. A. Uzal, P. Blanchard, G. Songer, S. Gard, and J. Adaska
- 10:30 a.m. Ribotyping of *Clostridium difficile* Isolates from Pigs, Man and Other Animals – **M. K. Keel*** and J. G. Songer

- 10:45 a.m. *Leptospira kirschneri* in a Prematurely Born Foal – **I. M. Langohr***, R. Vemulapalli, A. Sanchez, C. A. Bolin, M. Kiupel, C. C. Wu, and T. L. Lin
- 11:00 a.m. *Escherichia coli* From Bovine Calves: Identification of Pathogenic Isolates and Antibiotic Resistance – O. Okwumabua, P. Bochsler, E. Shull, M. O'Connor, K. Strelow, S. Mills, and S. Gibbons-Burgener
- 11:15 a.m. Distribution of Inducible Nitric Oxide Synthase (iNOS) Immunoreactivity in Granulomatous Lesions of Cattle Naturally Infected with *Mycobacterium avium* subspecies *paratuberculosis* – J. Hostetter, K. Byl, E. Steadham, and E. Huffman
- 11:30 a.m. *Mycobacterium kansasii* in Reindeer (*Rangifer tarandus*) – M. Kiupel, H. Simmons, D. Berry, and C. Bolin
- 11:45 a.m. An Integrated System for Management of Biologic and Biohazardous Waste in Animal Diagnostic Facilities – M. Wetzel

***Graduate Student Competition**

EPIDEMIOLOGY SCIENTIFIC SESSION

Sunday, October 12, 2003, 8:00 a.m.-11:45 a.m., Pacific Salon 2

- 8:00 a.m. Case-control Study of Clinical West Nile Virus Infection in Wisconsin Equids – S. N. Gibbons-Burgener, L. C. Glaser, Y. M. Bellay, and J. G. Donahue
- 8:15 a.m. Biological Transmission of Vesicular Stomatitis Virus, New Jersey Serotype, to Horses by Black Flies – D. G. Mead, M. D. Murphy, L. L. Rodriguez, T. E. Cornish, D. E. Stallknecht, and E. W. Howerth
- 8:30 a.m. Data Management Considerations and Rapid Dissemination of Laboratory Based Data in Support of the 2002-2003 Exotic Newcastle Disease Outbreak – J. T. Case, L. J. Crawford, S. Lawrence, E. M. Fox, H. Kinde, and A. A. Ardans
- 8:45 a.m. Epidemiological Evaluation of Diagnostic Assays for Bovine Viral Diarrhea Virus Infection – C. A. Muñoz-Zanzi and R. S. Singer
- 9:00 a.m. Molecular Epidemiology of Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) in Québec – R. Larochelle, S. D'Allaire, and R. Magar
- 9:15 a.m. Diagnostic Epidemiology of Canine Leptospirosis in Texas, 2002 – C. N. Carter, A. Angulo, R. Raleigh, N. C. Roland, and E. R. Arvizo
- 9:30 a.m. Prevalence of Bovine Leptospirosis in Dairy Herds – C. Bolin
- 9:45 a.m. **Break and Poster Session**
- 10:15 a.m. Application of the Incident Command System to Laboratory Emergency Response- P. C. Blanchard, H. Kinde, A. A. Ardans, S. K. Hietala, K. Hill, and G. Jessup
- 10:30 a.m. Design of an Equine Reproductive Health Database for a Veterinary Diagnostic Laboratory – F. Elvinger, N. M. Williams, J. M. Donahue, M. L. Vickers, and L. Harrison
- 10:45 a.m. Diagnostic Covariates for Bovine Abortion: Effects of Endogenous Dam Factors on Risk of Abortion in Dairy Cows – M. C. Thurmond, A. J. Branscum, W. O. Johnson, E. J. Bedrick, and T. Hansen
- 11:00 a.m. *Neospora caninum* and Repeated Abortions in the Bovine – **L. G. Corbellini***, D. Smith, C. Pescador, M. Schmitz, A. Correa, D. J. Steffen, F. A. Osorio, and D. Driemeier
- 11:15 a.m. Improved Diagnosis of Scrapie Using an Optimized Sandwich Immunoassay – J. Grassi, G. Tabouret, M. Feysaguet, N. Morel, S. Simon, J. M. Bilheude, C. Créminon, H. Volland, Y. Frobert, O. Andréoletti, and J. P. Bourgeois
- 11:30 a.m. Estimating the True Prevalence of *Mycobacterium bovis* Infection in Michigan's Wild White-tailed Deer – S. D. Fitzgerald, D. J. O'Brien, S. M. Schmitt, D. E. Berry, T. J. Lyon, J. S. Fierke, T. M. Cooley, and B. V. Thomsen
- 11:45 a.m. The Quality Assurance of Proficiency Testing Programs – A. L. Wiegers

***Graduate Student Competition**

VIROLOGY SCIENTIFIC SESSION

Sunday, October 12, 2003, 8:00 a.m.-12:00 p.m., Pacific Salon 1

- 8:00 a.m. Detection and Isolation of a Lelystad-like Strain of Porcine Reproductive and Respiratory (PRRS) Virus in Korea – **J. S. Yang***, D. S. Song, J. Y. Song, H. J. Moon, and B. K. Park
- 8:15 a.m. Temporal Studies on the Replication of PRRS Virus in Conventional Pigs from Six Hours to 126 Days Post-inoculation – **D. Waldner***, D. Zeman, A. Kasuske, S. Ropp, B. Arndt, E. Nelson, Y. Fang, and D. Benfield
- 8:30 a.m. Development, Validation and Commercialization of a Real-time RT-PCR Assay for the Detection of Lelystad, European-like and US Porcine Reproductive and Respiratory Syndrome Viruses – **J. D. Callahan***, J. Christopher-Hennings, T. A. Gay, M. E. Reos, Y. Fang, M. Dammen, A. Wasilk, J. Galeota, F. A. Osorio, M. Torremorell, W. M. Nelson, and E. Nelson
- 8:45 a.m. Equine Herpesvirus Type 1 Neurologic Disease Outbreak in an Equine Farm and Its Diagnosis by Molecular Techniques Combined with Conventional Diagnostic Methods – Y. Zhang, B. Byrum, S. Rajeev, S. Grimes, R. Henniner, S. Weisbrode, and S. Reed

- 9:00 a.m. Malignant Catarrhal Fever Associated with Alcelaphine Herpesvirus-1 in Ankole Cattle Within the United States – J. R. Hayes, G. B. Ward, T. R. Beckham, T. S. McKenna, and S. A. Shawky
- 9:15 a.m. Bison with Chronic OvHV-2 Infection: Clinical Outcome, Lesions and Capacity to Infect Susceptible Sheep – J. Monfre, H. Li, D. O’Toole, and T. Crawford
- 9:30 a.m. Isolation of Bovine Enterovirus from Cases of Bovine Upper Respiratory Tract Infection – J. Anderson, K. Austin, M. Muenzenberger, H. Wiscom, J. Nietfeld, and S. Kapil
- 9:45 a.m. **Break and Poster Session**
- 10:15 a.m. Protection by Prior Vaccination with Modified Live Virus (MLV) Bovine Viral Diarrhea Vaccine and Subsequent Exposure to Persistently Infected Calves – R. W. Fulton, R. E. Briggs, J. F. Ridpath, J. T. Saliki, B. J. Johnson, A. W. Confer, B. W. Brodersen, D. R. Smith, D. L. Step, and J. Sawyer
- 10:30 a.m. Evaluation of a New ELISA Kit (IDEIA Rotavirus) for Detection of Bovine Rotavirus in Fecal Samples – A. Abdullah, J. Anderson, H. Wisdom, M. Muenzenberger, K. Austin, and S. Kapil
- 10:45 a.m. Rapid Detection of Swine Viruses Using Real-time PCR Assays – J. A. Richt, K. M. Lager, D. L. Suarez, and K.-J. Yoon
- 11:00 a.m. Isolation, Characterization and Molecular Epidemiology of an Aujeszky’s Disease Virus from Naturally Infected Pig-hunting Dogs in Hawaii – T. A. Aboellail, J. R. Abbott, E. C. Hahn, A. J. McKeirnan, and J. F. Evermann
- 11:15 a.m. Isolation of Bovine Viral Diarrhea Virus from Free-ranging Bighorn Sheep – H. Van Campen, T. Holt, J. Ridpath, D. Masden, L. Spicer, T. Spraker, and R. Norrdin
- 11:30 a.m. Performance Characteristics of a New Pseudorabies Virus (PRV) gB Antibody ELISA Test – H. Liauw, L. Soderlund, E. Vauclare, and R. Shoberg
- 11:45 a.m. Effect of Exposure to Commercial Antifoams on the Viability of Three Continuous Cell Lines – **J. R. Hermann***, R. B. Evans, S. J. Hoff, and J. Zimmerman

***Graduate Student Competition**

SPECIAL SESSION

FECAL DETECTION METHODS FOR *MYCOBACTERIUM PARATUBERCULOSIS*

Sunday, October 12, 2003, 8:00 a.m.-12:00 p.m., San Diego Room

Moderators: Judith Stabel and Melissa Libal

- 8:00 a.m. **Welcome and History of *M. paratuberculosis* Detection – J. Stabel**
- 8:15 a.m. A Comparative History of Methods Employed for Culturing *Mycobacterium avium* subsp. *paratuberculosis* from Diagnostic Veterinary Specimens – J. B. Payeur
- 8:45 a.m. A Decade of Experience Using the BACTEC System for Paratuberculosis Diagnosis – M. T. Collins
- 9:00 a.m. Comparison of the BACTEC 460, MGIT 960 and TREK ESP Liquid Culture Systems for Growing *M. paratuberculosis* from Bovine Feces – N. B. Harris and J. B. Payeur
- 9:15 a.m. Update on a Liquid Culture System, ESP Culture System II, for Detection of *Mycobacterium avium* ssp. *paratuberculosis* in Bovine Fecal Samples – S. J. Shin, M. Stehman, R. L. Walker, L. J. Miller, V. H. Patten, R. J. Franklin, K. T. Ingerson, C. L. Young, S. G. Kim, Y. F. Chang, P. L. McDonough, D. V. Nydam, and D. H. Lein
- 9:30 a.m. MGIT™960, a Rapid Liquid Culture Method to Detect *M. paratuberculosis* in Fecal Samples – R. H. Whitlock, T. Fyock, and S. McAdams
- 9:45 a.m. **Break and Poster Session**
- 10:15 a.m. Pooled Fecal Cultures: A More Efficient Tool? – S. J. Wells
- 10:30 a.m. A Comparison of TREKESP® Culture System and Standard HEY Slant Combined with PCR for Early Detection of *Mycobacterium avium* subsp. *paratuberculosis* in Bovine Feces – C. C. Wu, T. L. Lin, and N. Sullivan
- 10:45 a.m. Evaluation of Two Recovery Methods for Detection of *Mycobacterium avium* subsp. *paratuberculosis* by a Duplex PCR: Direct Dilution-centrifugation and C₁₈-Carboxypropylbetaine Processing – A. Özbek, F. C. Michel Jr., M. Strother, A. S. Motiwala, B. Byrum, W. Shulaw, C. G. Thornton, and S. Sreevatsan
- 11:00 a.m. Nested PCR Combined with a Commercial Extraction Achieves a Sensitivity Equal to Culture for the Detection of *Mycobacterium avium* subsp. *paratuberculosis* Directly from Bovine Feces – J. Christopher-Hennings, M. Dammen, S. Weeks, G. Steinlicht, J. Payeur, and E. Nelson
- 11:15 a.m. Faecal Detection of *M. paratuberculosis*: The Australian Experience – D. Cousins and R. Whittington
- 11:50 a.m. **Discussion and Closing Comments**

JOINT PLENARY SESSION

Monday, October 13, 2003, 8:00 a.m.-11:30 a.m., Town and Country Room

Moderator: Willie Reed and Don Lein

- 8:00 a.m. **Keynote Address:** OIE Current Events – Bernard Vallet
8:30 a.m. BSE: The Canadian Experience – Brian Evans
8:50 a.m. Chronic Wasting Disease (CWD) in Free-ranging Cervids: Status and Experimental Management – Mike Miller
9:10 a.m. Large Scale Surveillance for Chronic Wasting Disease (CWD): The Colorado Veterinary Diagnostic Laboratory Experience and the Value of a Rapid Test – Barbara Powers
9:30 a.m. Questions and Discussion
9:45 a.m. **Break**
10:00 a.m. Diagnostic Laboratory Challenges: Exotic Newcastle Disease, California, 2002/2003 – Alex Ardans and Sharon Hietala
10:40 a.m. Presentation: U.S. Department of Homeland Security - Col Gerry Parker
11:00 a.m. Presentation: U.S. Department of Interior - To be announced
11:20 a.m. Questions and Discussion
11:30 a.m. **House of Delegates**

Poster Session

46th Annual Meeting

American Association of Veterinary Laboratory Diagnosticians

Saturday, October 11, 12:00 p.m., through Monday, October 13, 1:00 p.m.

Golden Ballroom

Poster Title

- 1 Adaptation of the HerdChek™ Anti-Neospora ELISA for the Detection of Antibodies Against Neospora caninum in Bovine Milk – G. Schares, A. Bärwaldi, C. Staubach, R. Wurm, M. Rauser, F. J. Conraths, and C. Shroeder
- 2 PRRS Serology: Single Reactors and Sensitivity by ELISAs and IFA – E. M. Cornaglia, I. Caya, A. Lambert, and I. Moreau
- 3 Identification of Group B Rotavirus in Newborn Goat Kids that Died from Peracute Diarrhea – A. van Olphen, T. Cornish, J. Cavender, C. Hearne, K. Walters, and Y. Hoshino
- 4 Isolation and Characterization of Cultured Immortalized SK-RST Cells from Swine Kidney – R. S. Trowbridge, B. C. Donahue, T. D. Bunch, and T. J. Bean
- 5 SK-RST Cells' Sensitivity to 27 Agriculturally Significant Viruses – R. S. Trowbridge, B. C. Donahue, and D. Gregg
- 6 An Assessment of Real-time RT-PCR Robustness Using an Avian Influenza Virus Proficiency Panel – E. Spackman and D. L. Suarez
- 7 The Isolation of Exotic Newcastle Disease (END) Virus from Non-poultry Avian Species Associated with the Outbreak of END in Chickens in Southern California: 2002-2003 – H. Kinde, P. J. Hullinger, M. McFarland, S. K. Hietala, V. Velez, J. T. Case, S. H. Wainwright, A. B. Mikolon, A. Ardans, and R. E. Breitmeyer
- 8 Equine West Nile Virus Surveillance in Connecticut, 1999-2002 – S. L. Bushmich, A. Garmendia, R. Nelson, and M. J. Lis
- 9 West Nile Virus Infection in Reindeer (*Rangifer tarandus*) – M. V. Palmer, W. C. Stoffregen, W. R. Waters, D. G. Rogers, A. N. Hamir, J. A. Richt, and D. D. Pedersen
- 10 Immunodominance of the Surface Envelope Glycoprotein (SU) in Ovine Progressive Pneumonia Virus (OPPV)- infected Sheep: Basis for the Observed High Sensitivity and Specificity of a Caprine Arthritis-encephalitis Virus (CAEV) Competitive Enzyme-linked Immunosorbent Assay (cELISA) for Detection of Serum Antibodies to OPPV in Sheep – L. M. Herrmann, W. P. Cheevers, T. C. McGuire, G. S. Lewis, and D. P. Knowles
- 11 Quantitative Real-time RT-PCR for Infectious Salmon Anaemia Virus – K. Munir* and F. S. B. Kibenge
- 12 Shared Feed as a Means of Deer to Deer Transmission of *Mycobacterium bovis* – M. V. Palmer, W. R. Waters, and D. L. Whipple
- 13 Antigen-induced IFN- α Nitric Oxide, and TNF- α Production by Blood Mononuclear Cells from *Mycobacterium bovis*-Infected Cattle: Diagnostic Implications – W. R. Waters, M. V. Palmer, D. L. Whipple, M. P. Carlson, and B. J. Nonnecke
- 14 Comparison of ELISA with PCR as a Screening Tool to Identify *Mycobacterium paratuberculosis* Shedding Cattle – O. Sorensen, J. Wu, E. Chow, R. Cassis, and R. King
- 15 Comparison of Ziehl-Neelsen, Immunohistochemistry and PCR in Formalin-fixed, Paraffin-embedded Tissue in the Diagnosis of Paratuberculosis in Sheep – D. Tremblay, J. Harel, J.-R. Galarneau, M. Semret, M. Behr, J. Arseneault, and C. Girard
- 16 Serological Baseline Study of Johne's Disease in Alberta Beef Herds – J. T. Y. Wu, E. Y. W. Chow, E. Bowlby, and L. S. Y. Wong
- 17 Development and Validation of an Automated IDEXX Johne's Disease Enzyme-linked Immunosorbent Assay – J. T. Y. Wu, E. Y. W. Chow, L. S. Y. Wong, and E. E. Bowlby

POSTERS (continued)

TITLE

- 18 Antimicrobial Susceptibility Monitoring of Bovine Mastitis Pathogens Isolated in 2001 – C. J. Lindeman, S. A. Salmon, E. S. Portis, and C. A. Case
- 19 Minimum Inhibitory Concentrations for Ceftiofur and Comparator Antimicrobial Agents Against Swine Pathogens Isolated from 1997 to 2001 – S. A. Salmon, E. S. Portis, C. J. Lindeman, J. L. Watts, and C. A. Case
- 20 Minimum Inhibitory Concentrations for Ceftiofur and Comparator Antimicrobial Agents Against Bovine Respiratory Disease Pathogens Isolated from 1997 to 2001 – E. S. Portis, S. A. Salmon, C. J. Lindeman, J. L. Watts, and C. A. Case
- 21 Recovery of Leptospire from Porcine Semen – E. J. Golsteyn Thomas, S. E. Druhan, E. E. Tanaka, and C. J. Howard
- 22 Evaluation of Genetic Diversity of *Mycoplasma bovis* Using Amplified Fragment Length Polymorphism – T. A. Bridgeman and R. S. Simonson
- 23 Detection of Selected Wildlife Pathogens in Commercial Waste Digestion Products Containing Bacteria – J. Sibley and G. D. Appleyard
- 24 Septicemic Salmonellosis in Two Cats Fed a Raw Meat Diet – S. Stiver*, K. Frazier, M. Mauer, and E. Styer
- 25 Fatal Peracute Systemic *Yersinia enterocolitica* Infection in a Captive Brown Brocket Deer (*Mazama gouazoubira*) – K. Cucchi-Stefanoni, C. Juan-Sallés, and M. M. Garner
- 26 Histologic and Genotypic Characterization of Cutaneous Mycobacteriosis in Cats: A Retrospective Study on Formalin Fixed and Paraffin Embedded Tissues – J. L. Davies, J. Sibley, E. G. Clark, and G. D. Appleyard
- 27 Immunohistochemical Testing in Veterinary Diagnostic Laboratories: Results of a Survey of 47 Laboratories – J. A. Ramos-Vara, M. Kiupel, and M. A. Miller
- 28 Immunohistochemical Cross Reactivity of Monoclonal Antibody JA4, an Antibody Used to Detect *Leishmania donovani* in Formalin-fixed, Paraffin-embedded Tissues – C. M. Loiacono, J. A. Ramos-Vara, J. M. Kreeger, and M. Beissenherz
- 29 Disseminated *Haemoproteus lophortyx* Infection in Bobwhite Quail – H. L. Shivaprasad, B. Johnson, M. Anderson, L. Woods, R. P. Chin, B. Barr, and G. Senties-Cue
- 30 Fatal Anemia and Dermatitis in Captive Agoutis (*Dasyprocta mexicana*, Order Rodentia) Infected with *Echidnophaga* Fleas – K. Cucchi-Stefanoni, C. Juan-Sallés, A. Parás, and M. M. Garner
- 31 *Neospora caninum* and *Leptospira* sp. Concurrent Infection in Aborted Bovine Fetuses in Southern Brazil – L. G. Corbellini*, C. Pescador, F. Frantz, E. Wunder, D. J. Steffen, F. A. Osorio, and D. Driemeier
- 32 Diagnostic survey of Bovine Abortion in Southern Brazil, with a Special Reference to *Neospora caninum* Associated Pulmonary Pathology – L. G. Corbellini*, C. Pescador, F. Frantz, M. Schmitz, A. Corea, F. A. Osorio, and D. Driemeier
- 33 Measurement of Vitamin A and β -carotene of Infected Sheep with *Fasciola hepatica* – S. Naem, S. Asri-Rezaei, and R. Hashemzadeh
- 34 Outbreak of Vesicular and Ulcerative Dermatitis in Stabled Horses – M. A. Miller, C. L. Wilhite, P. J. Johnson, J. A. Ramos, and T. J. Evans
- 35 Pulmonary Neoplasia in Two Llamas (*Lama glama*) – J. A. Ramos-Vara, C. M. Loiacono, I. D. Pardo, F. Williams III, and J. Lakritz
- 36 Comparison of the BenchMark IHC to the NexES IHC for the Diagnosis of Chronic Wasting Disease in Rocky Mountain Elk, Mule Deer, and White-tailed Deer – T. R. Spraker, R. R. Zink, B. A. Cummings, K. K. Anderson, and K. I. O'Rourke
- 37 Development of a Simple and Rapid Post Mortem EIA Assay for Detection of Transmissible Spongiform Encephalopathies – L. Estey, K. Velek, L. Plourde, S. Koller, R. Toomik, V. Leathers, C. Wong, S. Wilson, A. Lane, C. Stanley, and Q. Tonelli
- 38 Experimental Cross-species Transmission of Chronic Wasting Disease to Domestic Livestock at the National Animal Disease Center: An Update – N. Hamir, M. W. Miller, K. I. O'Rourke, and M. J. Chaplin
- 39 Experimental Cross-species Transmission of Chronic Wasting Disease (CWD mule deer) to Domestic Livestock: An Update – A. Hamir, R. Cutlip, J. Miller, J. Richt, R. Kunkle, E. Williams, M. Stack, M. Chaplin, M. Miller, and K. O'Rourke
- 40 Transmission of Sheep Scrapie to Elk (*Cervus elaphus nelsoni*) by Intracerebral Inoculation – A. N. Hamir, J. M. Miller, R. C. Cutlip, J. A. Richt, R. A. Kunkle, K. I. O'Rourke, A. L. Jenny, M. J. Stack, and M. J. Chaplin
- 41 Experimental Inoculation of Transmissible Mink Encephalopathy (TME), Scrapie, and Chronic Wasting Disease (CWD) to Raccoons (*Procyon lotor*) and the Utilization of Raccoons for Strain-typing of Unknown TSEs in the United States – A. N. Hamir, J. M. Miller, R. C. Cutlip, M. J. Stack, M. J. Chaplin, J. C. Bartz, A. L. Jenny, and E. S. Williams
- 42 Third Eyelid Lymphoid Tissue Biopsy in Sheep is Aided by Histamine – J. Alverson, S. Bender, L. M. Herrmann, and K. I. O'Rourke

ANNUAL MEETING COMMITTEE AGENDAS

Membership Committee

Gary Osweiler and Richard Mock, co-chairs, 5:00-6:00pm, Saturday, Oct 11, Devonshire Room

1. Review of membership statistics
 - a. renewals
 - b. member interest
2. New member orientation
3. Notice to delinquent members for 2003
4. Recruitment and involvement of graduate students

Publications committee

Dave Steffen, chair, 8:00-10:00am, Friday, October 10, Devonshire Room

- 1) JVDI Update Dr. Kreeger
 - Online journal access
 - Number of manuscripts, journal ranking, advertising
 - Electronic manuscript submission
 - Digital images
- 2) Web Site Update Dr. Osweiler
- 3) Newsletter and Membership Directory activities. Dr. Blanchard
- 4) Monographs (possible *Cl. perfringens* diagnostic technique manual)
- 5) Other items
- 6) Suggested replacement for outgoing members and Nomination of new committee Chair.

Program committee and Committee Chairs Meeting

Drs. Willie Reed and Gary Osweiler, co-chairs, 1:30-4:00pm, Monday, October 13, Stratford room

1. Critique of 2003 meeting: scientific sessions, future plenary session; facilities, equipment; best practices, things to avoid.
2. Committee chairs updates:
 - a. Key committee action items for coming year
 - b. Suggested 2004 symposia topics
 - c. Changes in facility needs (room size, location), and meeting times
 - d. Items for Executive board action

Approved Methods Committee

Barbara Martin and Jim Pearson, co-chair, Thursday, October 9, 2:00-5:00pm, Royal Palm 2

- | | | |
|-----------|---|------------------------------|
| 2:00-2:15 | Overview of charge to compile list of current accepted/approved methods | |
| 2:15-2:30 | USDA validation criteria and plan | Barb Martin |
| 2:30-2:50 | Potential changes to the OIE validation process | Peter Wright |
| 2:50-3:00 | OIE validation documents | Jim Pearson |
| 3:00-3:15 | Validation discussion | Group |
| 3:15-3:45 | Current Validation efforts | Tammy Beckham |
| 3:45-4:10 | Validating assays during a disease outbreaks | Bev Schmitt and Dennis Senne |
| 4:10-4:30 | Diagnostic assays and multiple platforms | Kimothy Smith |
| 4:30-4:45 | Validation of assays for the LRN | Rich Meyer |
| 4:45-5:00 | Summary and discussion | Group |

Animal Health Information Systems, Joint USAHA/AAVLD committee

Bruce Akey and Francois Elvinger, co-chairs, Sunday, October 12, 1:00-5:00pm, Royal Palm 2&3

1. USDA Implementation of Mandatory NAHRS Participation
2. NAHRS Update 2002-03
3. National Surveillance System Development
4. USDA's Emergency Management Response System (EMRS): Performance During the END Outbreak and Future Needs
5. VetTRACS – An Emergency Management Suite for Veterinary Medicine
6. Information Systems Developments in the National Animal Health Laboratory Network (NAHLN)
7. Data and Information Exchange with other Federal Agencies (FDA, DOI, DHS, CDC).
8. USDA/GlobalVetLink Electronic Certificates of Veterinary Inspection Project Update.

Aquaculture, Joint USAHA/AAVLD Committee

Scott LaPatra, chair, Sunday, October 12, 1:00-5:00pm, Pacific Salon 3 Room.

Tentative agenda includes:

- 1) Update on the National Aquatic Animal Health Plan (John Clifford or Kevin Amos)
 - 2) Update from APHIS (Otis Miller)
 - 3) Update from AVMA-ASAC (David Scarfe or designee)
 - 4) Update from FHS/AFS (Scott LaPatra)
 - 5) Update from the Aquaculture Effluent Task Force (Gary Jensen or designee)
 - 6) Regional US report updates (voluntary)
 - 7) Introduction of draft resolutions
 - 8) New items from the membership
 - 9) Emergency management
- Old business
- 1) Review of last year's resolutions passed by this committee (progress reports of actions taken)

Administrative Management Personnel committee

Linda Hendrickson, chair, 1:00-5:00pm Saturday, October 11 and 8:00am to noon, Sunday, October 12, Royal Palm Salon 4&5

1. Presentation by Leon Thacker on OIE/ISO 17025 standards and AAVLD accreditation
2. Presentation by Steve Vollmer on quality manuals
3. Presentation by Geraldine Jessup on Business Aspects of Laboratory Support for California's END Outbreak

-Possible presentation on Iowa Veterinary Diagnostic Laboratory

-Possible trip to San Bernadino laboratory (pending approval of lab directors based on END outbreak)

Discussion items

- Handling complaints
- Writing SOPs
- Workload tallies, tests
- Personnel evaluations and their relation to pay increases
- Annual Reports
- Nominations for new chair

Bacteriology Steering committee

Carol Maddox and Linda Schroeder-Tucker, co-chairs, Saturday, Oct 11, 8:00-10:00 pm, Royal Palm 4/5

Report of the Bacteriology Subcommittee

Report of the Antimicrobial Susceptibility Testing Subcommittee

Report on the Anaerobe Workshop and Discussion of Topics for 2004 Workshop

Progress and Feedback on the Standardization of the Select Agent Protocols

Standardized Protocol for Salmonella (requests by Pork Producers and USDA)

Distribution of the "Listing of members by expertise"

Quality Assurance Survey

Other items??

Antimicrobial Susceptibility subcommittee

Ching Ching Wu and Deepanker Tewari, co-chairs, Friday, October 10, 1:00-3:00pm, Royal Palm 4&5

NCCLS update on susceptibility testing.

Susceptibility testing for Anaerobes

Survey and comparison of antimicrobial testing methods in the Veterinary diagnostic laboratories

Use of MIC values on reports

New approved antimicrobials for Veterinary testing

Bacteriology and Mycology subcommittee

Drs. Brenda Love and Bill Fales, co-chairs, Friday, October 10, 8:00am- noon, Royal Palm Salon 4&5

1. Review AAVLD quality assurance self assessment (aka check test) (first hour)
2. Methods for identification of select agents (Draft SOP's for *Yersinia pestis*, *Bacillus anthracis*, *Brucella*, now posted on web)—discussion
3. ID of “unusual” organisms—how people are doing it, list of labs that have expertise where people can send isolates for ID—discussion
4. Shipping dangerous vs. diagnostic vs. clinical isolates (Maddox)
5. QC issues—adoption of OIE standards for AAVLD—implications for labs—discussion
6. Creation of AAVLD bacteriology list-serv (separate from main list)—discussion.
7. Development of monograph on Diagnosis of *Cl. perfringens* related illnesses- Songer & Uzal
8. Anaerobic workshop and discussion of any workshop ideas for 2004
9. Nominations for one new co-chair

Constitution and By Laws committee

Dave Steffen, chair, Friday, October 10, 5:00-6:00pm, Devonshire Room

- 1) Emerging issues.
- 2) Committee membership and structure.

Emergency Preparedness Workgroup

John Andrews, chair, Friday, October 10, 9:00-10:00am, Royal Palm Salon 6

- 1) Discuss possible future objectives for the workgroup
- 2) Discuss developing a user-friendly checklist to assess lab preparedness relative to the guidelines
- 3) Review any further input on approved document Suggested Laboratory Guidelines for Animal Health Emergency Management

Enteric Diseases committee

Chobi DebRoy, chair, Friday, October 10, 3:00-5:00pm, Royal Palm Salon 4&5

Dr. Pina Fratamico from ARS, ERRC, USDA on “Detection and characterization of pathogenic *E. coli*.”

Dr. Roger Maes, Michigan State University on “Enteric infections in neonatal calves”

Dr. H.L. Shivaprasad from UC Davis on “Attaching and effacing *E. coli* in avian sp.”

Epidemiology Committee

Mark Thurmond and Francois Elvinger, co-chair, Friday, October 10, 10:00am-Noon, Royal Palm Salon 3

1. Announcement of Joint Meeting of the Epidemiology Committee and of the Approved Methods Committee to review and discuss progress and methods in validating two END assays, three FMD assays, and a CSF assay (Saturday, 8-10pm Oct 11)
2. Review of last year's committee report indicating follow-up on validation. Status of validation documents (Jeff Zimmerman, Sharon Hietala)
3. Main topic: **Foreign Animal Disease Surveillance**
 - Brief overview of diagnostic surveillance: concepts and definitions
 - National Foreign Animal Disease Surveillance - Current status of the development of a national diagnostic system for FAD surveillance, and the role of the diagnostic laboratories, the NAHLN, and AAVLD.
 1. Development of a national FAD surveillance system: architecture and design. -Brian McCluskey
 2. Possible roles of diagnostic laboratories, the NAHLN and AAVLD in a national FAD surveillance system. - Pat Blanchard

3. The planning process for identifying appropriate and necessary diagnostic tests and assays to be employed in a national FAD surveillance system. -Tom McKenna
4. Working Group in support of Design, Implementation and Evaluation of a National FAD Surveillance System. Needs, tasks and composition. -Committee co-chairs

-Discussion, Recommendations and Resolutions

Food Safety Committee

Richard Oberst, chair, Thursday, October 9, 6:30-8:30pm, Royal Palm 6
Agenda pending contact chair

Foundation committee

Barbara Powers, chair, Friday, October 10, 8:00-9:00pm, Pacific Salon 7

Approve agenda and minutes

1. Financial report
2. Foundation committee membership review
3. Awards: review and approve Awards committee criteria for trainee travel awards and JVDI full and brief manuscripts.
4. Review and approve changes in Travel award application process
5. Corporate sponsors
6. Other

Government Relations committee

Bruce Akey, chair, Saturday, October 11, 3:30-5:30pm, Towne Room

1. Impact of the New Department of Homeland Security
2. National Animal Health Laboratory Network: Next Steps
3. CDC's Laboratory Response Network (LRN): Should We or Shouldn't We?
4. Access to Laboratory Data by Federal Agencies

Informatics Committee

Jim Case, chair, Friday, October 10, 1:00-3:00pm, Royal Palm Salon 6

1. National Animal Health Laboratory Network- informatics needs

Laboratory Director's committee

Bev Byrum and Gary Osweiler, co-chairs, 5:30-7:30pm, Saturday, October 11, Royal Palm Salons 2/3

1. Report from Veterinary Services, Dr. Ron DeHaven
2. Establishing effective relationships between veterinary diagnostic labs and CDC's LRN and FDA's FERN labs.
3. Update on the incorporation of OIE standards into AAVLD Minimum Essential Standards. Speakers- Leon Thacker and/or Monte Reimers.
4. Opportunities and alternatives for a universal coding approach for AAVLD. Speaker- John Andrews
5. Update from NVSL. -Randall Levings
6. Update on NAHLN funding. -Terry McElwain

Laboratory Safety Committee

Larry Thompson, chair, 1:00-~4:00pm, Sunday October 12, Pacific Salon 4/5 Room

1. Once around with member labs for current safety concerns.
2. Shipping Diagnostic Specimens: The regulations and the reality.
3. Shipping formalin safely.
4. Select agent registration
5. Safety with prion suspect specimens.
6. Emergency Management Plans for diagnostic labs

Biological Waste Disposal Committee will meet immediately following the Lab Safety Committee
Larry Thompson chair, anticipated starting time ~4:00-5:00pm, Pacific Salon 4/5 Room

1. Once around with member labs for current questions and problems.
2. Update from member labs on alkaline hydrolysis activities.
2. Update from member labs on incineration and rendering activities.

Pathology Committee

Donal O'Toole, chair, Sunday, October 12, Noon -2:00pm, Pacific Salon 7

1. Review of slide conference and selection of co-chair for 2004.
2. CL Davis ideas for 2004.
3. Travel award for pathology trainee.
4. Report: "Handling and disposal of prion-contaminated wastes in veterinary diagnostic laboratories."
5. Discussion: amending current AAVLD QA/QC document for pathology in veterinary diagnostic laboratories.
6. Proposal: Web-based update/edition of Laboratory Diagnosis of Livestock Abortion.

Quality Assurance Committee

Monte Reimers, chair, Friday October 10, 10:00am - Noon, Pacific Salon 7

1. Quality manual status
2. Implementation plan status
3. Appointments of quality assurance managers
4. OIE/AAVLD essential requirements document
5. Role of QA committee members/quality managers in accreditation audits
6. Auditing/auditing checklists
7. Role of Quality Managers in laboratory emergency response
8. Software for tracking of internal quality controls
9. Document management software
10. AAVLD QA website: use, announcement/broadcast of availability of resources, content
11. Training opportunities
 - SQA, especially regional meetings
 - AAVLD meetings
12. SQA Animal Health Specialty Section update

Veterinary Analytical Toxicology & Mycotoxins and USAHA Environmental Residues Committees

George Rottinghaus, chair, 3:30-6:30pm, Saturday, October 11, Pacific Salon 3

1. Method Validation for AAVLD Accreditation
2. Chemical agriterrorism
3. Other topics

Serology Committee

Peter Wright, chair, Friday, October 10, 4:00-6:00pm, San Diego Room

- 1) 2002 Meeting Minutes and 2003 Agenda
- 2) Technical Review of Commercial Test Kits
- 3) National Veterinary Services Laboratory Updates
- 4) Commercial Reagent/Product Updates
- 5) Serology Sub-committee Reports
 - Minimum Standards
- 6) International Validation: Moving towards a graduated process (Report on changes to OIE Validation Guidelines)
- 7) Nominations for New Chair

Virology committee

Fernando Osorio and David Benfield, co-chairs, Friday, October 10, 1:00-4:00pm, San Diego Room

The tentative agenda with additional speakers to follow:

- 1) Report on News from NVSL Diagnostic Virology
- 2) Report from the SDSU / Tetracore Inc joint project for a commercial kit for PRRSV real time PCR in semen.
- 3) Report on the standards for BVDV diagnosis (Ed Dubovi)
- 4) Further comments on the virology QC documents distributed earlier this year.
- 5) Nomination of new co-chair (replacement for Osorio) to forward to President

Special Session of Joint Approved Method and Epidemiology committee on FAD test Validation

Barb Martin, Mark Thurmond, Francois Elvinger, Jim Pearson, co-chairs, Saturday, October 11, 8:00-10:00pm, Pacific Salon 1

—Introduction: Comments on follow-up from validation workshop and presentations last year about assay development (eg FMD, CSF). The purpose is to present status and methods followed in validation of several assays, some of which were validated in the course of an epidemic (END, AI assays), and some in progress with less urgency (3 FMD assays and 1 CSF assay). 10 min

- | | | |
|---|----------------|--------|
| —Validation of CSF assay: | Tammy Beckham | 15 min |
| Discussion | | 5 min |
| —Validation of 3 FMD assays: | Tammy Beckham | 15 min |
| Discussion | | 5 min |
| —Validation of ARS END assay: | David Suarez | 15 min |
| Discussion | | 5 min |
| —Equivalency evaluation of Davis END assay: | Sharon Hietala | 15 min |
| Discussion | | 5 min |
| —General discussion: | | 20 min |
| —New issues or directions emerging from validation experience | | |
| —Suggestions for guidelines revision | | |

AAVLD HOUSE OF DELEGATES 2003

STATE	DELEGATE	ALTERNATE
Alabama	Fred Hoerr	Langing Li
Alaska	Kathy Burek	John Blake
Arizona	Robert Glock	Carlos Reggiardo
Arkansas	Paul Norris	Open
California	Sharon Hietala	John Adaska
Colorado	Barbara Powers	Dorreene Hyatt
Connecticut	Herb Van Kruiningen	Sandy Bushmich
Delaware	H. W. Towers	Hiram N. Lasher
Florida	John E. Crews	Tom Keefe
Georgia	Charles Baldwin	Doris Miller
Hawaii	Open	Open
Idaho	Kendal Eyre	James J. England
Illinois	Dale Webb	Gene Niles
Indiana	H. Leon Thacker	Steve B. Hooser
Iowa	Bruce Janke	Vicky Cooper
Kansas	George Kennedy	Jerome Nietfeld
Kentucky	Lenn Harrison	M. Douglas Cox
Louisiana	Rudy Bauer	Clay Hodgins
Maine	Open	Open
Maryland	Jimmy C. M. Huang	James P. Davidson
Massachusetts	Teri Wheeler	Dennis DeNicola
Michigan	Willie M. Reed	Thomas P. Mullaney
Minnesota	James E. Collins	Open
Mississippi	Lanny Pace	S. W. Jack
Missouri	Stan Casteel	Open
Montana	A. W. Layton	D. Jeffrey Marshall
Nebraska	David Steffen	Douglas Rogers
Nevada	Annette Rink	David Thain
New Hampshire	Joseph J. Moore	Wendell Davis
New Jersey	Robert Eisner	Open
New Mexico	Gregory P. Jillson	R. Flint Taylor
New York	Alfonso Torres	Sang J. Shin
North Carolina	Gene Erickson	Karen Post
North Dakota	Neil Dyer	Mary Moen
Ohio	Beverly Byrum	Sheila Grimes
Oklahoma	William C. Edwards	Jerry Saliki
Oregon	Jerry Heidel	Rob Bildfell
Pennsylvania	Helen Acland	Robert H. Poppenga
South Carolina	Pamela Parnell	Bill Brewer
South Dakota	Regg Neiger	Larry Holler
Tennessee	Ronald B. Wilson	J. D. Tom Chang
Texas	Lelve Gayle	Mitsi Libal
Utah	E. Jane Kelly	Tom Baldwin
Vermont	Open	Open
Virginia	Joseph Garvin	Jack Tate
Washington	James Evermann	Jay Weidener
West Virginia	Lynn Post	Randall Lovell
Wisconsin	Robert Shull	Open
Wyoming	Donal O'Toole	Frank Galey

House of Delegates (continued)

PROVINCE	DELEGATE	ALTERNATE
Alberta	Bill Yates	Pamela Gale
British Columbia	Ron Lewis	Theyne Fairfax
Manitoba	Peter Wright	Open
New Brunswick	James Goltz	Open
Newfoundland	Hugh Whitney	Open
Nova Scotia	Lyn Ferns	Open
Ontario	Grant Maxie	Open
Prince Edward Is	Paul Hanna	Carmenicita Yason
Quebec	Doris Sylvestre	Open
Saskatchewan	Andrew Allen	Open
Mexico	Open	Open
Puerto Rico	Open	Open
NVSL	Randall Levings	Beverly Schmitt
USAHA	J. Lee Alley	Open

EXHIBITS SCHEDULED IN SAN DIEGO...

Exhibits and the AAVLD Poster Session will be open on Saturday (12:00 noon - 5:00 p.m.), Sunday (8:00 a.m.-3:30 p.m.) and Monday (8:00 a.m. – 1:00 p.m.), October 11-13, in the California/Golden West Rooms at the Town & Country Resort and Convention Center, San Diego, California.

Please take time to join our exhibitors and benefit from the information available on new products, techniques and procedures.

Following is a list of those planning to participate as of July 30. A complete “Exhibit Directory” will be distributed at the meeting.

Automated Technologies Inc.: 210 W. Hamilton Ave. #297, State College, PA 16801 (Phone: 814-237-3001; Fax: 814-237-3236; Web Site: www.atiinternational.com)

Stop by for a hands-on demonstration of a user friendly Laboratory Information Management System in use at three animal disease laboratories. Experience first hand the ease of generating professional looking reports, the power of data mining, the simplicity of conducting ad-hoc search on anything, billing, accounts receivable, and more . . .

BD Diagnostic Systems: 7 Loveton Circle, Sparks, MD 21152 (Phone: 800-638-8663; Fax: 410-316-4906; Web Site: www.bd.com)

BD Diagnostic Systems, the worldwide leader in automated liquid culture systems, will be introducing the Bactec MGIT 960 system for ParaTB, a fully automated liquid culture system utilizing a fluorescence signal with newly optimized paraTB media for excellent recovery of *M. paratuberculosis* in bovine fecal specimens. BD Diagnostic Systems offers hundreds of prepared and dehydrated culture media formulations with the proven performance you expect from both BBL and Difco. Please stop by to see our Herrold’s Egg Yolk Agar for use in the cultivation of *Mycobacterium paratuberculosis*, and our all new Difco and BBL Manual, Manual of Microbiological Culture Media. This color manual is a comprehensive guide to our entire line of Difco and BBL media, including dehydrated culture media, prepared plated, tube and bottled media. BD Diagnostic Systems manufactures top quality products to serve the needs of veterinary bacteriology laboratories worldwide.

Biocor Animal Health: 2720 N. 84th St., Omaha, NE 68134 (Phone: 402-393-7440; Fax: 402-393-4712; Web Site: www.biocorah.com)

Biocor Animal Health is a developer and marketer of veterinary vaccines and diagnostic kits. Please visit our booth for information on our CMI kits for measurement of INF-y, tuberculosis in non-human primates as well as our other kits for cattle, sheep and goats. For more information on our products, please contact Tom Kellner at: 1-800-441-7480 or www.biocorah.com.

Bio-Rad Laboratories: 2000 Alfred Nobel Dr., Hercules, CA 94547 (Phone: 510-741-1000; Fax: 510-741-5630)

Bio-Rad Laboratories is a worldwide leader in developing and manufacturing rapid assays for the detection of transmissible spongiform encephalopathies (TSE's). Bio-Rad's TSE kit is used throughout the world for consistent and accurate diagnosis of various spongiform encephalopathies such as Scrapie in sheep and goats, CWD in deer and elk, and BSE in cattle. The assay is easily adaptable to automation, allowing for high throughput analysis and full sample traceability. In the United States, during 2002 hunting season, over 36,700 deer and elk samples were analyzed using the Bio-Rad CWD assay. The Bio-Rad CWD assay is currently the only Chronic Wasting Disease rapid test approved by the USDA for all three species: mule deer, white tailed deer, and elk.

Biovet Inc.: 2900 Av. Vanier, St. Hyacinthe, Quebec, CANADA J2S 6M2 (Phone: 450-771-7291 x 310; Fax: 450-771-4158)

Biovet is a Canadian company that develops, manufactures and markets immunodiagnostic tests and innovative diagnostic services for veterinarians. Animal health professionals' partner, Biovet aims to become a North American leader in the field of animal diagnostic. Founded in 1991 and based in Saint-Hyacinthe, Quebec, the company, which employs more than 60 people in its laboratories, is now implementing several continuous improvement programs for its products and services.

Centaur, Inc.: P. O. Box 25667, Overland Park, KS 66225-5667 (Phone: 913-390-6184; Fax: 913-390-5907)

Centaur sells products converted from human healthcare to equine applications. Examples include our 45-minute equine infectious anemia test, our 10-minute influenza test, a test for IgG in foals, and tests for three different blood reagents. Centaur's newest products include three different strengths of iodine formulations, two formulations of isopropyl alcohol, three different topical sprays, bulk liquids to treat metabolic disorders, serve as laxatives, preserve tissues and to serve as delivery vehicles for custom-compounded medicinals. Centaur also has creams to treat inflamed, abraded tissue and solutions and stains to help identify parasites.

Cepheid: 904 Caribbean Dr., Sunnyvale, CA 94089 (Phone: 408-400-8456; Fax: 408-734-1346; Web Site: www.cephid.com)

DakoCytomation: 6392 Via Real, Carpinteria, CA 93013 (Phone: 800-235-5743; Fax: 805-566-6688)

DakoCytomation is a leading in vitro diagnostics company specializing in the identification of cancer markers. With a commitment to the life sciences and the goal of optimizing patient care, the company offers a diverse product line including reagents and instrumentation for anatomic and molecular pathology, pharmacodiagnosics, and flow cytometry.

Eagle Technology Consultants: 1140 Hammond Dr. #G-7150, Atlanta, GA 30319 (Phone: 770-698-9600; Fax: 770-698-8885; Web Site: www.eagletc.com)

VetTRACS, Veterinary Tracking Reporting Awareness Collaboration Suite, is a web-based suite of tracking applications that allow local and state-certified veterinarians to collaborate on animal incidents. The goal of the suite is to centrally track animal issues and events, including foreign animal diseases, daily tasks and emergency management, at the state level. In a single repository, the VetTRACS suite of tools provides timely tracking of animal incidents and diseases with improved data accuracy, consistent management of emergencies, costs, notifications and alerts. Eagle Technology Consultants, a technical services firm, developed and implemented the USDA's EMRS system and is working with states to implement the VetTRACS suite in order to streamline all disease investigations and related tasks, activities and costs. Visit Eagle Technology at www.eagletc.com or in booth #24 at the USAHA and AAVLD conference to learn more about how VetTRACS will benefit your state.

Global VetLink, LC: 2625 N. Loop Dr. #2130, Ames, IA 50010 (Phone: 515-296-0860; Fax: 509-691-8647; Web Site: www.globalvetlink.com)

GlobalVetLink, LC ~ eHealth Certificate system for animal health regulatory management offers secure, state-of-the-art Internet application tools for State/Federal Animal Health Officials, Private Practitioners, Diagnostic Labs and Animal Industry Owners that facilitate efficient, real-time compliance with intrastate/interstate/international animal health regulations. Applications include: Official Certificates of Veterinary Inspection, ePermits, Puppies For Sale and EIA / Coggins with Diagnostic Lab connectivity — all with digital images! GVL is the official Online eHealth Certificate system

for the Florida Department of Animal Industry and Consumer Services - all species - since 1999 and the USDA/APHIS/CEAH/VS Interstate Certificates of Veterinary Inspection - since 2002.

HarleyEllis: 26913 Northwestern Hwy. #200, Southfield, MI 48034-3476 (Phone: 248-262-1500; Fax: 248-262-1515; Web Site: www.harleyellis.com)

Value Added/Value-Enhanced — Complex design solutions require contributions from multiple areas of technical expertise. HarleyEllis' depth of full service experience offers clients single-source accountability. Being both a big "A" and big "E" firm, HarleyEllis has devoted considerable resources to developing both our architecture and engineering capabilities for science and research facilities. As a result, the solutions we develop are more comprehensive and have the appropriate amount of design and engineering required for this complex facility type. Each HarleyEllis client receives the technical leadership and innovation expected from a national Architecture and Engineering firm. HarleyEllis has been involved with over 12,000,000 sf of complex lab space in the last 10 years. This includes a focus on AHDL and large animal containment facilities. In addition to the direct project experience we are also involved with a number of national technical committees including: ASHRAE Laboratory Systems, NFPA Fire Safety for Laboratories, and NSF International-Testing & Certification of Biosafety Cabinetry. Our team understands the economies associated with interdisciplinary discovery and leveraging new knowledge across departmental lines. Our approach, rooted heavily in customer/user and designer interaction, recognizes that we must bring technical and economical points of view to the design process. HarleyEllis is registered to ISO 9001. Other Offices: Cincinnati, OH, Chicago, IL and Los Angeles, CA. Please visit www.harleyellis.com for recent experience and additional information.

IDEXX Laboratories, Inc.: One Idexx Dr., Westbrook, ME 04092 (Phone: 207-856-0300; Fax: 207-856-0826; Web Site: www.idexx.com)

The Production Animal Services (PAS) Division of IDEXX Laboratories, Inc. develops, manufactures and sells over 50 different ELISA, DNA Probe™ and PCFIA-based detection systems for animal health and quality assurance applications. Laboratories around the world use PAS products for the detection and control of diseases affecting livestock or poultry, and our xChek™ data management software simplifies and organizes test results. For more information, please contact us at phone: (800) 548-9997 or (207) 856-0300; email: PASweb@idexx.com; or visit our website at www.idexx.com.

Iowa State Press: 2121 State Ave., Ames, IA 50014 (Phone: 515-292-0140 x 618; Fax: 515-292-3348)

National Institute for Animal Agriculture (NIAA): 1910 Lyda Ave., Bowling Green, KY 42104 (Phone: 270-782-9798; Fax: 270-782-0188; Web Site: www.animalagriculture.org)

The National Institute for Animal Agriculture (NIAA) provides a forum for building consensus and advancing solutions for animal agriculture and to provide continuing education and communication linkages to animal agriculture professionals. This statement, our mission, truly reflects NIAA - where it's been, where it is, and where it is going. It is the only forum where producers/owners (cattle, equine, poultry, sheep and swine), scientists (corporate, academia and government), veterinarians (private practice and government), regulators (state and federal), and business executives (corporate and association) meet in a common effort to deal with shared issues and opportunities. Visit our booth, let us explain!

Prionics: Wagistr. 27 A, CH-8952 Schlieren, SWITZERLAND (Phone: 41 44 200 2000; Fax: 41 44 200 2010; Web Site: www.prionics.ch)

In the early 1990s BSE was uncovered in single countries like the UK or Switzerland. No one suspected the whole dimension of the disease at this time. Some ten years later most of Western Europe's countries reported first cases of BSE and the WHO warned that the disease is likely to represent a global problem. This suspicion was enhanced only a few months later when in the Czech Republic the first BSE case outside of Western Europe was revealed with the Prionics®-Check rapid test. The announcement of the first North American BSE case detected in Canada prompted the United Nations to urge all countries to adopt an Active Surveillance plan. [Find an overview on the Milestones of Active BSE-Surveillance on: <http://www.prionics.ch/prionics-e-diagnostics-western-milestones.pdf>]. The first ACTIVE SURVEILLANCE study was carried out by Prionics and the Swiss Veterinary authorities in 1998 and showed that rapid tests identify apparently healthy BSE-cows in normal slaughter preventing them from entering the food chain. It also

showed that the prevalence of BSE was highest in fallen stock, and emergency slaughtered animals. This led to the TARGETED ACTIVE SURVEILLANCE model of the 1999 Swiss surveillance program which focuses mainly on the high risk categories such as fallen stock but also includes a certain percentage of normal slaughtered animals. The Targeted Active Surveillance model is now the standard for a minimum BSE-surveillance as recommended by the United Nations. <http://www.fao.org/english/newsroom/news/2003/18603-en.html>. One company stands at the forefront of BSE diagnostics and prion research: Prionics. In the second half of the 1990s Prionics' leading prion experts built up active BSE surveillance enabling objective evaluation of the European BSE situation for the first time. For this purpose Prionics developed the first rapid BSE-test for routine use, the Prionics®-Check WESTERN. The success of this surveillance concept led to the establishment of official EU-wide BSE screening programs in 2001. The preferred test in these programs is still the Prionics®-Check WESTERN, considered by experts to be the most precise BSE test available. This rapid test, now complemented by the Prionics®-Check LIA, has significantly promoted the improvement of preventive consumer protection and at the same time helped to regain consumer confidence in the safety of beef. The company's philosophy is to stay at the pulse of scientific insights, technical improvements and laboratory practice. If you wish to be regularly updated on such issues, subscribe to our free newsletter, the Prioscope, by sending an E-Mail to prioscope@prionics.ch. For scientists: enquire about the launch of the new Prion Science Magazine.

Synbiotics Corporation: 11011 Via Frontera, San Diego, CA 92127 (Phone: 858-451-3771; Fax: 858-451-5719; Web Site: www.synbiotics.com)

With it's 20 years of experience in the manufacture of ELISA diagnostics, powerful, world-class software, and leading knowledge of poultry immunology, Synbiotics provides the best tools for monitoring flock health and early detection of potential disease. New tests for Avian Influenza, Giardia, Cryptosporidium, and Ehrlichia complement Synbiotics' strength in companion animal diagnostics. Please pay us a visit to learn how our latest additions and improvements can benefit your clients and the services you offer to them.

Trek Diagnostic Systems: 982 Keynote Circle #6, Cleveland, OH 44131 (Phone: 216-485-1143; Fax: 216-485-1163; Web Site: www.trekds.com)

TREK Diagnostic Systems, the New Energy in Microbiology, provides innovative products to the veterinary microbiology laboratory, including ESP® Automated Detection System and para-JEM™ reagents for the detection of Mycobacterium avium ssp. Paratuberculosis, and Sensititre® automated and manual identification and susceptibility technologies. TREK's products provide cost effective improvements in workflow efficiencies, ergonomics, and test result performance.

Ventana Medical Systems, Inc.: 1910 Innovation Park Dr., Tucson, AZ 85737 (Phone: 800-227-2155 x 3867; Fax: 520-229-4203; Web Site: www.ventanamed.com)

Ventana develops, manufactures, and markets instrument/reagent systems that automate tissue preparation and slide staining in clinical histology and drug discovery laboratories worldwide. Ventana's clinical systems are important tools used in the diagnosis and treatment of cancer and infectious diseases. Ventana offers solutions for complete automation of Immunochemistry, In Situ Hybridization, and Special Stains.

Vetstar: 79 N. Franklin Turnpike, Suite 103, Ramsey, NJ 07432 (Phone: 201-934-7127; Fax: 201-236-1891; Web Site: www.vetstar.com)

VETSTAR Animal Disease Diagnostic System (VADDS) is a Windows based comprehensive laboratory information system for animal diagnostic labs. Unlike other LIMS systems, VADDS is FULLY DEVELOPED, currently runs many labs, does not require in-house programmers, and provides solutions TODAY. . . as well as in the FUTURE. The complete suite of VADDS modules includes the LIMS system, a remote access system called RAVEN, and web access called Websuite. These modules operate independently, or as a unified system providing your staff and clients with the most sophisticated lab processing in the veterinary industry. VADDS includes complete client billing, auto results faxing/email, interfaces to word processors or instruments, case coordinator processing, image capture, client access via the WEB, remote case login from client sites or laptops, customized worksheets, complete financial accounting, and support for multiple lab site processing. A complete audit trail is maintained of all transactions, and extensive statistical reporting is supported, as well as retrospective searches of lab results. VADDS is also fully integrated with a complete suite of accounting modules including General Ledger, Accounts Payable, Inventory and Purchase Order. VADDS runs on

most popular computers using Windows, UNIX or Linux operating systems. VADDS is the most economical LIMS package in the veterinary industry, and is produced by a company that has a long track record of stability and dependability. We look forward to discussing your laboratory needs.

Viral Antigens, Inc.: 5171 Wilfong Rd., Memphis, TN 38134 (Phone: 901-382-8716; Fax: 901-382-0027; Web Site: www.viralantigens.com)

Viral Antigens, Inc., manufactures manual and semi-automated test kits for detection of Pseudorabies Virus Antibodies in Swine Serum. These tests are licensed and designated as official tests by the USDA. Both test formats offer high sensitivity and specificity. The semi-automated Autolex(R) PRV assay offers convenience and cost savings for high volume laboratories. Our management and technical staff will be available to discuss your specific requirements for Pseudorabies Antibody detection.

VMRD, Inc.: 4641 Pullman-Albion Rd., Pullman, WA 99163 (Phone: 509-334-5815; Fax: 509-332-5356; Web Site: www.vmr.com)

Waste Reduction by Waste Reduction, Inc. (WR2): 5711 W. Minnesota St., Indianapolis, IN 46241 (Phone: 317-484-4200 x 110; Fax: 317-484-4201; Web Site: www.wr2.net)

POSITION ANNOUNCEMENTS

Senior Veterinary Pathologists (two positions) in the Department of Pathobiology at the University of Florida College of Veterinary Medicine at the rank of tenured Associate/Full Professor. Applicants should have a D.V.M. or equivalent degree and a record of research accomplishment. Applicants with interest in immunology, host-pathogen interactions or other areas of molecular pathogenesis and having a Ph.D. degree and ACVP board certification are preferred. Primary responsibilities will include a competitive research program and teaching pathology. Other duties may include graduate and resident instruction, and anatomic pathology service. For information on research facilities and programs in infectious diseases and comparative immunology see: www.vetmed.ufl.edu/path/path.htm. Applicants should submit a letter outlining professional goals, a curriculum vitae, and a list of three professional referees to: Dr. A. F. Barbet, Search Committee Chair, Department of Pathobiology, College of Veterinary Medicine, P.O. Box 110880, University of Florida, Gainesville FL 32611-0880; e-mail barbeta@mail.vetmed.ufl.edu; fax 352-392-9704. Review of applications will begin after November 1, 2003 and will continue until the positions are filled. The start date for these positions is as early as January 1, 2004.

Veterinary Pathologist, clinical track at Assistant to Full Professor level, in the Department of Pathobiology at the University of Florida College of Veterinary Medicine Applicants should have a D.V.M. or equivalent degree and a record of accomplishment. ACVP board certification is preferred. Responsibilities will focus on two or more of the following areas depending on interest and qualifications: 1) teaching pathology to veterinary students; 2) resident instruction; 3) participation in anatomic pathology service; 4) anatomic pathology service administration; and/or 5) collaborative research. For information on research facilities and programs in infectious diseases and immunology see: www.vetmed.ufl.edu/path/path.htm. Applicants should submit a letter outlining professional goals, a curriculum vitae, and a list of three professional referees to: Dr. William Castleman, search committee chair, Department of Pathobiology, College of Veterinary Medicine, P.O. Box 110880, University of Florida, Gainesville FL 32611-0880; e-mail: castlemanw@mail.vetmed.ufl.edu; fax: 352-392-9704. Review of applications will begin after September 1, 2003 and will continue until the position is filled. The start date for the position is as early as November 1, 2003.

Veterinary Pathologist at the Arkansas Livestock & Poultry Commission has an anticipated position for a full-time veterinary pathologist. The position involves a 100% commitment to service activities (cytology, biopsy, and necropsy of all species) through the AAVID-accredited Veterinary Diagnostic Laboratory located in Little Rock. Research is optional and collaboration is available with the Medical School or State Health Department. A DVM or equivalent degree and ACVP certification or eligibility are required. Applicants should submit a letter of intent, a curriculum vitae, and a list of three professional references to Dr. Paul Norris, Director of Laboratories, Arkansas Livestock & Poultry Commission, P.O. Box 8505, Little Rock, AR 72215; phone 501-907-2430. pnorri@arlpc.org

Veterinary Pathologist at the Texas Veterinary Medical Diagnostic Laboratory (TVMDL), a part of The Texas A&M University, has a non-tenure track position available in the pathology department starting immediately. TVMDL is an AAVLD-accredited, busy, full-service laboratory. Responsibilities include a major effort toward diagnostic pathology, particularly biopsies and necropsies of a variety of species. The ability to interact, consult and communicate with practicing veterinarians is essential. The successful applicant will also assist in maintaining and developing quality assurance of procedures including immunohistochemistry. Qualifications include a DVM degree and postgraduate training in pathology. ACVP certification/eligibility or an advanced degree in Veterinary Pathology is preferred. Temporary employment at 80% is available for individuals desiring time to prepare for ACVP certification. To apply, send letter of intent with curriculum vitae and the names and addresses of 3 references to: Dr. Bruce Abbitt, Head, Diagnostic Pathology, TVMDL, PO Drawer 3040, College Station, TX 77841-3040, Tel: (888) 646-5623, Fax: (979) 845-1794, Email: B-Abbitt@tvmdl.tamu.edu, URL: tvmdlweb.tamu.edu

Anatomic Pathologist at the Texas Veterinary Diagnostic Laboratory at Amarillo, part of the Texas A&M University System, has an immediate opening for a full-time anatomic pathologist. The Laboratory is accredited by the AAVLD and currently employs 3 anatomic pathologists and accepts submissions from companion, food-producing, and exotic animals with an emphasis on food animals. New graduates or those requiring additional time/experience for Board Certification are encouraged to apply. The Laboratory is located in a rapidly growing medical center complex. The Texas A&M Agriculture Research and Extension Center, USDA-ARS Research Center, and members of an agriculture consortium including multiple Universities, closely interact with the diagnostic laboratory, providing research opportunities. Requirements: DVM and successful completion of a residency in pathology, preferably leading to the MS degree, are minimum requirements. The position requires an individual with good organizational and communication skills. To apply, send letter of intent with curriculum vitae and the names and addresses of 3 references. Contact: Dr. Don Montgomery, Head, Diagnostic Pathology, TVMDL, P.O. Box 3200, Amarillo, TX 79116-3200, Tel: 806-353-7478, Fax: 806-359-0636. Email: dlmontgomery@tvmdl.tamu.edu, URL: tvmdlweb.tamu.edu

Veterinary Pathologist, full-time, non-tenure track, in Zoo and Wildlife Pathology at the Zoological Pathology Program (ZPP) and Veterinary Diagnostic Laboratory at the University of Illinois College of Veterinary Medicine, in association with Chicago Zoological Society Brookfield Zoo, John G. Shedd Aquarium and Lincoln Park Zoo. The candidate must hold a DVM or equivalent degree, and be eligible for certification by the American College of Veterinary Pathologists (ACVP). Diplomate status in the ACVP and prior experience in zoo, wildlife, avian, and/or aquatic animal pathology are highly desirable. The position will be housed at Loyola University Medical Center in Chicago area. Responsibilities include diagnostic pathology services to the contracting zoos and aquarium, training ZPP residents, and collaborative and/or independent research. To apply send a Curriculum Vitae, narrative of career goals, and 3 letters of reference to: Dr. Michael Kinsel, Chair, Zoo and Wildlife Pathologist Search Committee, Zoological Pathology Program, Loyola University Medical Center, Building 101 Room 0745, 2160 South First Avenue, Maywood, Illinois 60153; Tel. 708-216-1185, FAX 708-216-5934, E-mail: mkinsel@lumc.edu. For full consideration applications should be received by September 30, 2003. Anticipated start date is December 1, 2003.

Graduate Training in Veterinary Anatomic Pathology -Adjunct Instructor in the Department of Veterinary Pathology, College of Veterinary Medicine, Iowa State University. The position is a residency/PhD training position in anatomic pathology. This program emphasizes an integrated approach to develop diagnostic, experimental design, and critical thinking skills and preparation for the certifying examination of the American College of Veterinary Pathologists. An understanding of diagnostic pathology and disease pathogenesis are facilitated by rotation through relevant diagnostic services, teaching of veterinary students, graduate courses, and seminars. Additional information about the department: <http://www.vetmed.iastate.edu/departments/vetpath/>. The DVM or equivalent degree is required. Preference is given to applicants with veterinary practice experience and excellent communication skills. Applications received by August 10, 2003 will be given complete consideration. To apply send: a letter stating interests and goals; curriculum vitae; copy of college transcripts; and names of three references. Send all application materials to: Dr. Claire B. Andreasen, Chair, Department of Veterinary Pathology, College of Veterinary Medicine, Iowa State University, Ames, IA 50011; phone 515-295-0877, FAX 515-294-5423, or email candreas@iastate.edu

Residency in Veterinary Anatomic Pathology at the Arkansas Livestock & Poultry Commission, an AAVLD-accredited Veterinary Diagnostic Laboratory located in Little Rock, for an individual wanting to prepare for the ACVP certifying examination. The 4-year program will provide training in necropsy, biopsy, cytology, histology, and immunohistochemistry for all species. Applicants must have a DVM or equivalent degree and at least 1 year of practice experience. Starting salary is \$32,500 plus benefits. Send a statement of career goals and interests, a curriculum vitae, veterinary college transcript, and a list of 3 professional references to Dr.

James Britt, Arkansas Livestock & Poultry Commission, P.O. Box 8505, Little Rock, AR 72215; phone 501-907-2430. Jbritt@arlpc.org

Tenure-Track position for an Assistant Professor in Avian Immunology in the Department of Poultry Science, North Carolina State University. Doctoral degree in immunology or an associated discipline with an interest in cellular and molecular basis of avian immune functions as affected by genetics, nutrition and other environmental factors. Current understanding of research approaches in avian immunology is essential. 80% Research; 20% Teaching. The successful applicant will have opportunities to develop research programs with faculty involved in nutrition, avian transgenics, biotechnology, and genomics. Submit a letter of application with a brief summary of career goals with a detailed curriculum vitae including education, experience, and qualifications, and arrange for official transcripts and three letters of reference to be sent to: Gerald B. Havenstein, Head, NC State University, Department of Poultry Science, Box 7608, Raleigh, NC 27695-7608. Closing date: September 1, 2003, or until the position is filled.

Veterinary Medical Officer at the Foreign Animal Disease Diagnostic Laboratory (FADDL), USDA, APHIS, located on Plum Island, NY is recruiting for two permanent, full-time veterinarians on the staff of the **Reagents and Vaccine Services Section (RVSS)** of FADDL. The incumbent will perform microbiological techniques in the preparation of reagents for proficiency testing in the diagnosis of animal diseases, improve and develop diagnostic assays for exotic diseases, vaccine trials and evaluate vaccines for foreign animal diseases (FAD). This position requires a doctor of veterinary medicine. A Ph.D. or Masters degree in a field related to livestock disease diagnosis is highly recommended. No previous Federal Civil Service experience required. Must be U.S. citizen. Starting pay is \$50,209/\$78,231, depending on qualifications. For additional information contact Carolyn Sinopoli, (631) 323-3206.

Veterinary Medical Officer/Microbiologist at the USDA, ARS, NADC, Virus & Prion Diseases of Livestock Research Unit in Ames, Iowa, is seeking applications for an Interdisciplinary: Veterinary Medical Officer/Microbiologist, GS-701/403-12/13/14 (2 positions). Salary is commensurate with experience (\$56,463 - \$103,150 per annum), plus benefits. U.S. Citizenship is required. Incumbent will be assigned to the Bovine Spongiform Encephalopathy (BSE) and other Transmissible Spongiform Encephalopathies (TSE) project. Candidates must request the vacancy announcement (ARS-X3W-3298) by calling 301-504-1482 or via the ARS Homepage at www.ars.usda.gov. Candidates must submit specific information as outlined in the vacancy announcement. Applications must be postmarked by August 25, 2003. Site location contact: Mark Laver (515) 663-7277. Submit applications to: USDA, Agricultural Research Service, Human Resources Division. ATTN: Francine M. Benko (ARS-X3W-3317), 5601 Sunnyside Avenue, Mail Stop 5106, Beltsville, MD 20705. FAX applications to: 301-504-1535.

Veterinary Medical Officer/Microbiologist at the USDA, ARS, NADC, Respiratory Diseases of Livestock Research Unit in Ames, Iowa is seeking applications for an Interdisciplinary: Veterinary Medical Officer/Microbiologist, GS-701/403-11/12/13/14. Salary is commensurate with experience (\$47,110 - \$103,150 per annum), plus benefits. U.S. Citizenship is required. Incumbent will be assigned to the Control of Porcine Respiratory Disease of Complex Etiology project. Candidates must request the vacancy announcement (ARS-X3W-3317) by calling 301-504-1482 or via the ARS Homepage at www.ars.usda.gov. Candidates must submit specific information as outlined in the vacancy announcement. Applications must be postmarked by September 8, 2003. Site location contact: Mark Laver (515) 663-7277. Submit applications to: USDA, Agricultural Research Service, Human Resources Division. ATTN: Francine M. Benko (ARS-X3W-3317), 5601 Sunnyside Avenue, Mail Stop 5106, Beltsville, MD 20705. FAX applications to: 301-504-1535.

Veterinary Microbiologist: The Arkansas Livestock & Poultry Commission has an anticipated position for a full-time veterinary microbiologist. The position involves a 100% commitment to service activities in the AAVLD-accredited Veterinary Diagnostic Laboratory located in Little Rock. Primary responsibility will be in the Bacteriology Section; however, the position also includes supervision of the Virology and Serology sections. Research is optional and collaboration is available with the Medical School or State Health Department. A DVM or equivalent degree and ACVM certification or eligibility are required. Applicants should submit a letter of intent, a curriculum vitae, and a list of 3 professional references to Dr. Paul Norris, Director of Laboratories, Arkansas Livestock & Poultry Commission, P.O. Box 8505, Little Rock, AR 72215; phone 501-907-2430. Pnorri@arlpc.org

Bacteriologist at the Arkansas Livestock & Poultry Commission in Little Rock. The ideal candidate will have a MS or PhD degree in microbiology plus 2 years experience in veterinary diagnostic bacteriology or be a certified Medical or Veterinary Technician with a BS degree and 5 years experience in veterinary diagnostic bacteriology. The salary is competitive and benefits are included. Send a letter of intent, a curriculum vitae, and a list of 3 professional references to Dr. Paul Norris, Director of Laboratories, Arkansas Livestock &

Poultry Commission, P.O. Box 8505, Little Rock, AR 72215; phone 501-907-2430. Pnorri@arlpc.org (EOE)

Microbiologist II at the Illinois Department of Agriculture Animal Disease Laboratory at Galesburg. Minimum requirements include a Bachelors degree in microbiology with experience in a clinical microbiology laboratory. Medical and veterinary technologists with background and experience in clinical microbiology will be considered. Computer skills are important. Duties include all aspects of bacteriology from sample receipt to identification and computer entry of veterinary pathogens and contaminants; preparation of bacteriologic media; sectioning tissues, immunostaining for and microscopic interpretation of sections for pathogens; performing polymerase chain-reaction testing for genotypic potential of various organisms (Escherichia coli, Clostridium perfringens); maintaining inventory of consumable reagents and records for quality assurance and quality control. For more information, please contact Susan Vinson, Bacteriology Laboratory Supervisor; 2100 S. Lake Storey Rd; Galesburg, IL 61401; (309) 344-2451; svinson@agr.state.il.us.

Environmental Toxicologist, tenure-track at Assistant Professor level, in the Department of Comparative Medicine at the College of Veterinary Medicine, in Knoxville Tennessee. The successful candidate will be expected to provide instruction in toxicology, develop an independent, externally-funded research program, develop a diagnostic toxicology service and establish collaborative research. The incumbent will represent the College on toxicological issues at the local, state and federal levels, interact with veterinarians and livestock producers and consult through the Kord Diagnostic Laboratory of the TN Department of Agriculture. The successful candidate must have the DVM degree and have attained a PhD (or be eligible for the PhD degree) in toxicology or a related discipline. Board certification in toxicology area is desired, and ultimately expected. Applicants should include a curriculum vitae, transcripts from institutions that conferred degrees, statement of research and teaching goals, and contact information for three references. Applications will be accepted until a suitable candidate is identified. Applications should be submitted to Dr. Jack W. Oliver, Chair, Search Committee, Department of Comparative Medicine, College of Veterinary Medicine, 2407 River Drive, Rm. A205, Knoxville, TN 37996-4543. Review of applications is expected to begin by August 15, 2003, and continue until the position is filled.

Diagnostic Virology Lecturer at Clemson University for a 12-month, non-tenure track faculty appointment in the Veterinary Diagnostic Center, located in Columbia, South Carolina. Applicant must have a Ph.D. in a relevant field of microbiology (bacteriology, virology) with a strong background in molecular identification techniques. Preference will be given to applicants also possessing a DVM (or equivalent) and certified or eligible for certification by the American College of Veterinary Microbiologists. Primary responsibilities include implementation of molecular-based diagnostic methods for veterinary pathogens, consultation with clients, and supervision of the microbiology section to include QA/QC programs. Opportunities exist for pursuit of research interests and collaborative research. Applicants should submit a letter of interest, including names and contact information of three professional references as well as current curriculum vitae to Dr. Pamela Parnell, Director, Clemson Veterinary Diagnostic Center, PO Box 102406, Columbia, South Carolina, 29224-2406. Applications may also be submitted electronically to Dr. Parnell at pprnll@clemson.edu. Questions should be directed to Dr. Parnell by phone (803) 788-2260 ext 245, or by e-mail or mail. Review of applications will begin September 1, 2003 and continue until the position is filled.

Regional Sales Manager Mid-Atlantic: As part the WR²/STI team you will be responsible for generating and developing sales opportunities, submitting proposals, and driving sales processes to closure. You will work both independently and as part of a team to uncover new opportunities and increase market share. The successful candidate will have a minimum of 5+ years capital equipment sales experience and a track record of exceeding quotas. This position is also responsible for managing the efforts of independent sales representative that are under contract with WR² and/or STI. Excellent communication skills and an ability to complete complex

FUTURE MEETING ANNOUNCEMENTS

Future Meetings

August 14-16, 2003, The Association of Veterinary Microbiologists (AVM) will hold its **28th Annual Symposium on Techniques in Veterinary Microbiology** at the Embassy Suites / Charleston Convention Center in Charleston, West Virginia. For further information, contact Mr. Earnest Wyant at 304-647-4312, email earnie.wyant@merial.com, or visit the AVM web site at <http://www.vetmicro.org/>

September 10-11, 2003, **TSE in Animal Populations – Fact and Fiction An International Conference**, at Fort Collins, CO, USA, sponsored by OIE, USDA, Agriculture Canada, and TAFS. The purpose of this conference is to establish a line of communication between scientists, policy makers, regulators, and the public on topics related to TSEs in animal populations. Updates on recent research, regulations, and other findings will be part of the conference. Registration and accommodations: The conference will be held at the University Park Holiday Inn Hotel in Fort Collins, Colorado, USA. Registration details and information see: <http://www.cvmb.colostate.edu/aphi/TSEMain.htm> or contact Pam Timms at APHI@colostate.edu

September 18-21, 2003, **4th International Conference on Emerging Zoonoses**, Scheman Conference Center, Ames, Iowa, USA. Web site: www.zoonoses2003.com

October 3-4, 2003, **Western Conference of Veterinary Diagnostic Pathologists meeting** will be held at the Lethbridge Lodge, 320 Scenic Drive, Lethbridge AB. A block of rooms has been reserved at a discounted rate of 92.00 (plus tax), when making reservations please indicate that you are attending the WCVDP for this rate. For reservations please call the Lodge directly at 1-800-661-1232 or 403-328-1123. The Lethbridge Lodge is located in downtown Lethbridge very close to all amenities and walking trails. For details about the hotel see their website: <http://www.lethbridgelodge.com> For additional information on Lethbridge area see city website: <http://www.city.lethbridge.ab.ca> The banquet will be held on the night of October 3 at the Lodge and a reception will be the night before the conference on October 2. Canadian Food Inspection Agency Lethbridge Laboratory contains a number of level 3 biocontainment facilities (including a necropsy, TSE/histology lab) that we will be offering tours of during the day on October 2 (if interested please indicate in advance). For further information on the conference contact Catherine Curtis at CurtisC@inspection.gc.ca.

October 9-16, 2003, **American Association of Veterinary Laboratory Diagnosticians** (46th annual) and **United States Animal Health Association** (107th annual) meeting at the Town and Country Hotel in San Diego, CA.

October 11, 2003, **Bioterrorism/Agroterrorism Train the Trainer Session** by the Center for Food Security and Public Health at Iowa State University at the USAHA/AAVLD meeting in San Diego. The session will be held from 1-5 p.m. at the Town and Country Hotel in the Sunrise Room. If you are interested in attending this session and becoming a trainer, please contact: Danelle Bickett-Weddle, DVM at 515 294 9300 or dbweddle@iastate.edu Participation is limited to 130 individuals.

October 12-16, 2003, 19th annual meeting of the **Society of Quality Assurance** -Marriott Crystal Gateway, Arlington, VA USA, See website at www.sqa.org for details.

October 26-29, 2003. 3rd **International Symposium on Bluetongue** will be held in Taormina (Sicily - Italy), Bluetongue diagnostics control and trade implications. See website at www.bluetonguesymposium.it

November 9-14, 2003, **11th International Symposium of the World Association of Veterinary Laboratory Diagnosticians and OIE Seminar on Biotechnology** is being held in Bangkok at the Sofitel Central Plaza, Bangkok, Thailand. Website <http://www.tavld.or.th/symposium/>.

November 15-19, 2003, **54th Annual meeting of the American College of Veterinary Pathologists and 38th Annual Meeting of the American Society for Veterinary Clinical Pathology** at the Fairmont Banff Springs Hotel in Banff, Alberta, Canada. For more information see: ACVP Website: <http://www.acvp.org/meeting/>

ADDENDUMS TO DIRECTORY

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