Hosted by the New York State Veterinary Medical Society and the Cornell University College of Veterinary Medicine

September 30 - October 3, 2010
(Thursday-Sunday)

Thank you NYS-VC Sponsors

Our thanks to the following companies for their support of the 2010 New York State Veterinary Conference:

- **Boehringer-Ingelheim**
  - Saturday Lunch
- **Cornell Feline Health Center**
  - James R. Richards Memorial Lecture
  - Dr. Tony Buffington
- **Fallon Wellness Pharmacy**
  - Conference Meeting Bags
- **IDEXX Laboratories**
  - Dr. Rick Alleman
- **Intervet/Schering-Plough Animal Health**
  - Dr. Cynda Crawford
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  - Dr. Bettina Wagner
- **P&G Pet Care**
  - Dr. Joseph Wakshlag
- **Pfizer Animal Health**
  - Dr. Clarke Atkins
  - Shawn McVey

*NYSVMS Professional Partner
The mission of the New York State Veterinary Conference presented by the Cornell University College of Veterinary Medicine and the New York State Veterinary Medical Society is to support and advance veterinary medicine by providing dynamic and interactive learning sessions led by renowned experts, capitalizing on the state-of-the-art clinical veterinary facilities at Cornell University, exploring industry developments, and networking with people who share a commitment to the ideals, values and principles of the veterinary profession.

New York State Veterinary Conference
Hosted by the New York State Veterinary Medical Society and the Cornell University College of Veterinary Medicine

September 30 - October 3, 2010 (Thursday-Sunday)

Dear Colleague:

Join us for the third New York State Veterinary Conference (NYS-VC) hosted by the NYSVMS and the Cornell University College of Veterinary Medicine in Ithaca, NY. Outstanding and renowned speakers, wetlabs, exhibits, the Grand Opening and Ribbon Cutting of the New York State Veterinary Diagnostic Laboratory, and a fun Purple Party on Friday after classes will take advantage of the modern and state-of-the-art facilities at the College. The Cornell Equine Practitioners Conference will be held in conjunction with the NYS-VC and the program is included in this booklet.

We thank our exhibitors and sponsors for supporting our meeting and look forward to their continued participation in the NYS-VC. Without their participation, your registration fees would be much higher and veterinarian registrants are encouraged to visit every exhibitor!

Overnight room blocks for the NYS-VC have been reserved at several Ithaca hotels and that list is published in this booklet.

Join us Thursday from 6:00 - 8:00 p.m. at the Welcome Reception in the Gallery on the second floor of the College to meet friends and colleagues and enjoy light refreshments. The Gallery is near the Centennial Room and you'll be able to pick up your onsite meeting materials (and your Friday parking permit) at the Registration Desk.

The Grand Opening of the New York State Veterinary Diagnostic Laboratory will be conducted Friday from 1:00-1:30 p.m. We hope you’ll take time to attend the festivities!

The Silent Auction held during the Purple Party benefits student scholarships and veterinary advocacy through the Political Education Committee. Monies raised at the auction are evenly divided between scholarships and the PEC. Please consider donating something to the Auction and then bidding on one or more of the auction items!

The online registration form can be accessed www.vet.cornell.edu Register by September 14, and take advantage of discounted registration fees!

We look forward to seeing you in Ithaca!

NYS-VC Planning Committee

**NYSVMS**

Rene T. van Ee, DVM, DACVS
President

Dean M. Snyder, DVM
General Chairman

Bridget M. Barry, DVM
Assistant Chairperson

**College of Veterinary Medicine**

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Austin O. Hooey Dean of Veterinary Medicine

Lorin D. Warnick, DVM, PhD
Associate Dean for Veterinary Education

William H. Miller, VMD
Chief Section of Dermatology
Conference Details

NYS-VC Registration
Online registration for those paying by credit card is available at www.vet.cornell.edu Online registrations can be paid by Visa, MasterCard, Discover and American Express.

Registration forms paid by Visa or MasterCard can be faxed to the NYSVMS, (518) 437-0957. Registrations paid by check should be mailed to: NYSVMS, Attn: NYS-VC, 9 Highland Avenue, Albany, NY 12205.

NYS-VC registration forms received by or on September 14 qualify for a discounted registration fee. Advanced registration is strongly encouraged! Avoid long lines at the onsite registration desk, improve your chances of admission to wetlabs with limited seating, help the NYS-VC contain costs through timely planning, and SAVE money!

Full conference registration includes: attendance at all seminars, refreshment breaks, lunch on Friday and Saturday, the Purple Party on Friday evening and one drink ticket, NYSVMS Annual Business Meeting breakfast on Saturday (NYSVMS members only), and admittance to the exhibit areas.

NYS-VC registration will be held in the Centennial Room at the College. Signs will direct you to the location. Please check in when you arrive to receive your name badge, tickets, and conference material.

Hotel Information

Make Your Hotel Reservations Quickly
Blocks of overnight rooms have been reserved at the Ithaca hotels listed below. Please contact the hotel directly and tell them you’re attending the New York State Veterinary Conference. Please make your hotel reservations as soon as possible as our room blocks will fill up very quickly.

Best Western University Inn
1020 Ellis Hollow Road, Ithaca, NY 14850
607-272-6100 or 800-937-8376
www.BestWesternUniversityInnIthaca.com
$159.00 double
Shuttle to/from CVM: 7:00am-10:45pm upon request

Courtyard by Marriott
29 Thornwood Drive, Ithaca, NY 14850
607-330-1000
www.marriott.com
$169 on Thursday and Sunday
$229 on Friday and Saturday
Shuttle to/from CVM: 7:00am-11:00pm
upon request

Hampton Inn
337 Elmira Road, Ithaca, NY 14850
607-277-5500 or 800-HAMPTON
www.hamptoninn.com
$109 Queen
No shuttle service

Hilton Garden Inn
10 E. Seneca Street, Ithaca, NY 14850
607-277-8900
www.hiltongardeninn.com
$169/$239
Shuttle to/from CVM: 7:30am-10:30 on the hour and half hour, upon request

Holiday Inn
222 South Cayuga Street, Ithaca, NY 14850
607-272-1000 or 888-465-4329
www.ichotelsgroup.com
$139 main building/$159 tower
Shuttle to/from CVM: 24-hour service to CU/airport, upon request

Homewood Suites by Hilton
36 Cinema Drive, Ithaca, NY
607-266-0000
www.hilton.com
$139 Studio/1 bedroom
Shuttle to/from CVM: 7:30am-9:30 pm upon request

Ramada Inn Ithaca
2310 N. Triphammer Road, Ithaca, NY 14850
607-277-3100 or 800-272-623
www.ramada.com
$129.95 Double or King
Shuttle to/from CVM: 8:00am-10:00pm upon request

Continuing Education
This conference has been submitted (but not yet approved) for 18 hours of continuing education credit in jurisdictions that recognize AAVSB RACE approval; however participants should be aware that some state veterinary boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education. Contact Amanda Mott at the College, 607.253.3200, for more information.

New York State Governor David Paterson recently signed into law legislation mandating continuing education for veterinarians and LVTs. NYSVMS members are encouraged to attend Saturday morning’s Annual Business Meeting to learn more!

continued on page 4
Conference Details continued from page 3

Proceedings
Conference speaker papers will be available online and registrants will be advised how to access them after their registration form and payment have been received. Remember to print and bring with you to the NYS-VC the papers of speakers whose sessions you plan to attend. The cost for a reserved printed Proceedings is $50; a limited number of printed Proceedings will be available onsite for $75. Reserve a printed Proceedings on the NYS-VC registration form. Printed Proceedings will be included in the paid registrant’s onsite meeting packet.

Safety
When any session becomes over-crowded, the NYS-VC must adhere to fire laws and limit attendance. Registrants are encouraged to arrive early to sessions.

Exhibits
We thank our exhibitors for their support of our meeting. Registrants are encouraged to visit every exhibit table and thank representatives for attending the NYS-VC. Exhibits will be open at the following times:

- Friday, October 1: 9:00 a.m. - 5:00 p.m.
- Saturday, October 2: 8:30 a.m. - 5:00 p.m.
- Sunday, October 3: 8:30 a.m. - 12:00 p.m.

Welcome Reception
Our social program begins on Thursday evening from 6:00-8:00 p.m. with a Welcome Reception in the Gallery on the second floor of the College near the Centennial Room. This is a great opportunity to greet friends and colleagues and enjoy some light refreshments. You can also pick up your registration materials in the Centennial Room.

Tours
Tours of the Cornell Companion Animal Hospital, Equine Hospital, and the New York State Veterinary Diagnostic Laboratory will be held Thursday evening, September 30, during the Welcome Reception at 6:30 p.m. and 7:15 p.m.; and on Saturday during lunch at 12:30 pm. Please sign up on the registration form.

Friday’s Purple Party
The Purple Party celebrates the NYS-VC partnership between the NYSVMS and the College. This partnership is reflected in the NYS-VC logo and the prominent use of the color purple. Why purple? Because when the red of Cornell’s logo and the blue of the NYSVMS logo are blended, the two colors become one color – PURPLE!

NYS-VC registrants and exhibitors are invited to the Silent Auction and Purple Party on Friday, October 1, at 5:30 p.m. in the new New York State Veterinary Diagnostic Laboratory. Sign up on the registration form to tour this beautiful 126,000 square foot, full-service, multi-disciplinary animal disease diagnostic facility!

While attending the Purple Party, enjoy a selection of food and drinks, listen to the student singing group, Ultrasound, and be sure to bid on some of the beautiful, historic and fun items available in the Silent Auction!

Monies raised at the Silent Auction benefit NYSVMS student scholarships at Cornell, the NYSVMS’s outreach to students at other veterinary colleges, and the veterinary Political Education Committee. Auction items are needed and welcomed! Contact Dr. Mark Chmielewicz, auction coordinator, and let him know what you’ll donate, (315) 737-7387, chmh315@aol.com To show our appreciation, the names of donors to the auction will be listed in the NYSVMS publication, Veterinary News.

Silent Auction
This year’s NYS-VC will not only include the Grand Opening of the brand new, state-of-the-art New York State Veterinary Diagnostic Laboratory but also a Silent Auction to benefit student scholarships and NYSVMS legislative advocacy through the veterinary Political Education Committee.

The NYSVMS Scholarship was established in 1994 as a permanently-endowed scholarship at Cornell University. The Scholarship “provides tuition assistance to New York State residents who are third- or fourth-year students, and interested in organized veterinary medicine.”

Scholarship Recipients
1999-2000 - Michael Capel, Melissa Carlson and Stephanie (Konsker) Karpf
2000-2001 - Carol Phillips
2001-2002 - Todd Bishop
2002-2003 - Hilda Mitchell
2003-2004 - Sara Gower
2004-2005 - Colleen MacLachlan
2005-2006 - Amber Ball
2006-2007 - Erin Goodrich
2007-2008 - Steven Friedenberg
2008-2009 - Jeremy Salvatore
2009-2010 - Marina Tejada

Grand Opening of New York State Veterinary Diagnostic Laboratory
The Grand Opening of the New York State Veterinary Diagnostic Laboratory will be held Friday, October 1, from 1:00-3:00 p.m. and NYS-VC registrants are invited to attend! The new laboratory’s two wings are linked by a central atrium and form a corner/edge for the veterinary college complex. The northern, formal face of the building features an extensive glass curtain wall.

Cornell’s NYSVDL is the only full-service multi-disciplinary animal disease diagnostic facility in New York State and is a member of the National Animal Health Laboratory Network. Every year, this facility conducts more than one million tests on more than 150,000 cases received from throughout the United States, North America, and overseas.

Signs and directions to the new NYSVDL will be posted.

NYSVMS Annual Business Meeting
NYSVMS members who register to attend the NYSVMS Annual Business Meeting on Saturday, October 2, in the cafeteria at the veterinary college will receive a complimentary admission ticket in their onsite meeting packet. Attendance is limited to NYSVMS members. The meeting will be called to order by NYSVMS President Rene van Ee at 7:30 a.m.

NYSVMS members are encouraged to attend the business meeting and learn how the new law mandating acceptable continuing education will change the way they re-register and how many C.E. hours they must obtain in order to re-register and continue to practice.

Every NYSVMS member who attends will receive a raffle ticket. One lucky member present when the drawing is held will receive FREE 2011 NYSVMS state membership dues!

NYSVMS/Alumni Association Banquet
The NYSVMS and the Cornell Veterinary Alumni Association will host an Awards Banquet on Saturday evening at The Statler Hotel beginning with a cocktail reception at 6:30 p.m. in the foyer to the Carrier Ballroom on the second floor followed by a buffet dinner at 7:00. Shuttle rides from the nearby parking garage to The Statler will begin at 6:15 p.m. and return beginning at 10:00 p.m.
Friday, October 1

8:00 – 9:30
Differentiating Cardiac from Respiratory Disease
Clarke Atkins, DVM, DACVIM (Internal Medicine and Cardiology)

Sponsor: Pfizer Animal Health

The differentiation of signs of cardiac and respiratory disease remains a challenge to veterinary practitioners. Therapeutic efforts are markedly compromised when this distinction is not correctly made. This presentation will provide practical methods for this differentiation against a back-drop of a clinical presentation of a coughing dog with a heart murmur.

8:00 – 9:30
Perioperative and Intraoperative Anesthesia Problems, Part I
Andrea Looney, DVM, DACVA

This lecture will describe the common problems that occur pre, intra and post operatively, and rightfully or wrongly, are often attributed to anesthesia. Focus will be on separating truly emergent from urgent issues, assessment and quick troubleshooting, and then amending the situation to provide the patient both short term safe emergence and long term overall health.

8:00 – 9:30
Common Problems in Thoracic Radiography: Test your Knowledge (Lecture)
Ned Dykes, DVM, DACVR

[Lecture is prerequisite to lab]

The correct interpretation of thoracic radiographs is both essential and complicated for veterinarians. A scheme of pattern recognition will be presented that will develop a new understanding of “lung patterns,” facilitate understanding and increase diagnostic accuracy. Attend the lectures and participate in the companion laboratory sessions and you will gain an improved understanding of thoracic diseases and be more confident interpreting thoracic radiographs.

9:30 – 10:00
Refreshment Break

Exhibit Areas
Coffee in the Hagan Room

10:00 – 11:00
When the Specialist is Out… Case-Based Approach to Cardiac Disease for the Generalist
Clarke Atkins, DVM, DACVIM

Sponsor: Pfizer Animal Health

A case-based format will be used to demonstrate how the generalist can make the appropriate diagnosis and treatment plan when clients refuse referral or when a specialist is not available. The focus will be on exam skills and techniques that all veterinarians have or can easily develop.

10:00 – 11:00
Perioperative and Intraoperative Anesthesia Problems, Part II
Andrea Looney, DVM, DACVA

This lecture will describe newer drugs, modalities and techniques that can assist with chronic pain therapy in small and large animal patients.

10:00 – 11:00
Problems and Pain – A New Way of Thinking
Shawn McVey, MA, MSW untended

Sponsor: Pfizer Animal Health

Life is difficult and overlooked problems hurt and never really go away. Learn to look at life and work problems from a whole new paradigm: as a catalyst for professional and spiritual growth. Learn how to develop healthy workplace behaviors that aren’t simply coping mechanisms. Once we understand how to face problems with discipline, we can move through them and SOLVE them rather than obsess over them and pass them on to the people around us.

10:00 – 12:00
Common Problems in Thoracic Radiography: Test your Knowledge (Lab)
Ned Dykes, DVM, DACVR and Margret Thompson, DVM, DACVR

Interpretation of thoracic radiographs is a daily task in most small animal practices. This image interpretation laboratory will focus on refining your ability to interpret common problems with confidence. During this interactive web-based laboratory, participants will work through a series of up to 15 cases of thoracic disease. Each case will provide relevant historical, physical and laboratory data, images viewable from the CUHA PACS system, and the imaging report with comments and teaching points as appropriate.

A self-study period of at least an hour is allotted to work through the cases with personal instructor attention. We will then present a PowerPoint “quiz” using clicker technology so each participant can assess their skills. We will allow 20 minutes at the end of the lab for explanations and questions.

11:00 – 12:00
Feline Life Stage Guidelines – Now What?
Tony Buffington, DVM, MS, PhD, DACVN

What’s new in feline wellness guidelines? AAFP-AAHA recently released Feline Life Stage Guidelines. Come discuss these “hot off the press” recommendations with a member of the committee. Learn the process, outcomes, limitations and implications of the guidelines for practice, hear suggestions for describing the guidelines to staff and clients, and learn how to make your practice more “cat friendly.”

11:00 – 12:00
Challenges of Integration and Management of Professionals
Shawn McVey, MA, MSW

Sponsor: Pfizer Animal Health

One of the biggest challenges for veterinary management teams is how to deal with the “emotional blackmail” that comes from trying to manage employees’ performance. Learn subtle and direct techniques to influence staff who report to you and discover secrets of performance management that will work for you and your associates and employees.

12:00 – 1:30
Lunch

Exhibit Areas

1:00 – 1:30
Grand Opening of New York State Veterinary Diagnostic Laboratory
1:30 – 2:30
**Feline Hypertension: Risks, Diagnosis and Management**
Clarke Atkins, DVM, DACVIM
*Sponsor: Pfizer Animal Health*

Hypertension is the most important cardiovascular disease of the aged cat. The emphasis of this presentation is the recognition, appropriate management, and prevention of target organ damage in the hypertensive cat.

1:30 – 3:30
**Sensitive Cat Syndrome? Lessons from the lower urinary tract**
Tony Buffington, DVM, MS, PhD, DACVN
*James R. Richards Memorial Lecture*

Many cats presented with lower urinary tract signs also have problems in other organ systems. Twenty years investigating these cats resulted in the premise that some cats may have a “Sensitive Cat Syndrome” that affects the bladder rather than a bladder disease, that it may result from adverse early experience, and that the signs may be more responsive to modification of the environment than any therapy focused on the bladder. This talk will present current concepts of the etiopathogenesis, diagnosis and management of this syndrome.

1:30 – 2:30
**Communication Skills in The Workplace**
Shawn McVey, MA, MSW
*Sponsor: Pfizer Animal Health*

As sure as there are absolute protocols for good medicine there are some absolutes that must occur to achieve good communication. Most of the problems associated with a modern veterinary practice have absolutely nothing to do with medicine and everything to do with good communication. Gone are the days when a supervisor’s approach of “my way or the highway” can be effective. Being a skilled communicator is crucial in order to achieve long-term success. If you want to improve your chances of success in whatever your position in the practice then this lecture will help.

2:30 – 3:30
**Systemic Arterial Embolism in Cats**
Clarke Atkins, DVM, DACVIM (Internal Medicine and Cardiology)
*Sponsor: Pfizer Animal Health*

There has been progress in treating and preventing this deadly and frustrating complication. After a discussion of the disease, its prognosis and its management, the focus will turn to prevention using anticoagulant therapies.

2:30 – 3:30
**Controlled Substances: How they get to the street and how they’re used on the street**
William Kane, DEA Investigator

This session will review how legal pharmace~icals are used illegally and how controlled substances go from your practice to the street. Once controlled substances hit the street, they are altered in various ways to be sold to and used by addicts. The street prices for various legal pharmaceuticals obtained by addicts may surprise you. Who has access to controlled substances in your practice? Where and how do you store these drugs and is your prescription pad in your pocket and under your control at all times?

3:30 – 4:00
**Heartworm Disease: For practitioners who don’t routinely see heartworms**
Clarke Atkins, DVM, DACVIM
*Sponsor: Pfizer Animal Health*

Advances in the diagnosis, prevention, and management of heartworm disease in dogs and cats will be discussed for practitioners who believe they rarely see this disease. In addition to prevalence data, data on compliance and controversies in the management of infected dogs, including the use of macrolides as adulticides, will be covered. Material presented at the 2010 American Heartworm Symposium will be reviewed.

4:00 – 5:00
**DEA Rules and Regulations, Title 21, Code of Federal Regulations as they apply to veterinarians**
William Kane, DEA Investigator

This session will review the records and reports that veterinarians are required to maintain to be in compliance with DEA regulations and federal law. Discussion will include (1) the basic requirements of registrants who dispense controlled substances, (2) ordering Schedule II-V controlled substances, (3) security of controlled substances, (4) accountability of controlled substances and (5) other records and reporting requirements.

4:00 – 5:00
**The Elephant in the Living Room**
Shawn McVey, MA, MSW
*Sponsor: Pfizer Animal Health*

Most veterinary organizations suffer from the inability to act on the bilious forces of bad communication and employees who have crossed over to “the dark side.” For many practices there is an inability to correct culture because we just don’t know where to start. This lecture is designed to give you the words to confront the most pressing issues in your practice. Once the truth is told in any organization the path to correcting the environment becomes clear. Learn to address the elephant in the living room of your practice. If you are brave enough to face the “elephant” then you are ready to take your practice to the next level.

4:00 – 5:00
**DEA Investigative Audit of Controlled Substances: Q&A**
William Kane, DEA Investigator

This session will answer the questions that veterinarians have asked about the various DEA regulations and federal law requirements regarding controlled substances.
Saturday, October 2

7:00 – 7:50
NYSVMS Business Meeting
Cafeteria, second floor
(limited to NYSVMS members, includes breakfast)

8:00 – 8:45
The Quantitative Analysis of the Hemogram: What do those numbers really mean?
Rick Alleman DVM, PhD, DACVP
Sponsor: IDEXX
The numbers generated by the automated hematology analyzer can be quite useful in the complete interpretation of the hemogram. This session will review the clinical implications of changes in red cell indices, the leukogram and the thrombogram.

8:45 – 9:00
Coffee in the Hagan Room

8:00 – 9:30
The Nuts and Bolts of Dealing With a Critical Patient: Clinical Assessment of Shock
Catherine Rogers, DVM, DACVECC
Shock can be generally defined as inadequate delivery of oxygen to tissues. There are several different categories of shock, including hypovolemic, cardiogenic and septic shock. This lecture will briefly review the general pathophysiology of shock states and discuss current available methods used to assess the severity of shock in the critically ill patient.

8:30 – 10:00
Common Problems in Abdominal Radiography: Test Your Knowledge (Lecture)
Margret Thompson, DVM, DACVR
[lecture is prerequisite for lab]
3:00 – 5:00
Refreshment Break
Exhibit Areas
Coffee in the Hagan Room

8:00 – 12:00
Hematology Case Challenges
Rick Alleman DVM, PhD DABVP, DACVP
Sponsor: IDEXX
This session uses audience response devices to engage participants in medical cases where the hematological findings on the patient were critical in making a diagnosis and implementing appropriate therapy. Common hematological findings with significant clinical implications will be emphasized.

10:00 – 11:00
Hypovolemic Shock - A Case-Based Approach to Diagnosis and Treatment
Gretchen Lee Schoeffler, DVM, DACVECC
This lecture will review the pathophysiological mechanisms underlying hypovolemic shock with the goal of providing a broader clinical understanding that will lead to more rational use of crystalloids, colloid, blood products, inotropes, and vasoactive agents. Clinical cases will be used to illustrate signs exhibited by patients in early or severe shock, the value of point-of-care laboratory data in patient assessment, and the importance of measuring resuscitation end-points for more effective hemodynamic stabilization of emergency patients.

11:00 – 12:00
Practical Advice for Veterinary Technicians Working with Behavior Cases (LVT)
Kelley Bollen, MS, CABC
In today’s busy veterinary clinics it is often the technician who is charged with helping clients deal with behavior problems. This lecture will start with a discussion on the important information to give to puppy and kitten parents to prevent behavior problems and move into advice on how to deal with the most common issues pet parents have with their dogs and cats — from barking and digging to litterbox problems.

12:00 – 1:00
Lunch
Exhibit Areas

1:00 – 2:00
The Diagnosis and Management of Canine Ehrlichial Infections
Rick Alleman DVM, PhD DABVP, DACVP
Sponsor: IDEXX
Ehrlichia canis can cause active infection with evidence of mild to severe clinical disease or subclinically infected carrier states. This session is based with audience response devices and reviews the most current thoughts on the diagnosis and management of E. canis infection in dogs.

2:00 – 2:30
Septic Shock - Tips for Treating the Unstable Septic Patient
Catherine Rogers, DVM, DACVECC
Septic shock has historically been very challenging to treat and often carries with it an unfavorable prognosis. This type of shock can result in both systemic and localized microvascular and endothelial dysfunction leading to an inappropriate distribution of blood throughout tissues. In this lecture, we will review the pathophysiology of septic shock and current methods available to help improve clinical outcome.
Anaplasma phagocytophilum can cause active infection with evidence of mild to severe clinical disease or subclinically infected carrier states. This session is case based with audience response devices and reviews the most current concepts on the diagnosis and management of A. phagocytophilum infection in dogs.

Cardiopulmonary arrest: An algorithmic approach to resuscitation
Gretchen Lee Schoeffer, DVM, DACVECC
Cardiopulmonary cerebral resuscitation (CPCR) is an important technique to put into practice when patients suffer unexpected cardiac arrest. This lecture will provide veterinarians with an understanding of the concepts supporting both basic life support and advanced life support techniques as translated from the 2005 American Heart Association’s Guidelines for Cardiopulmonary Resuscitation. That understanding will then be practically applied to the veterinary patient utilizing an algorithmic approach.

Anesthesia Monitoring II (LVT)
Beverly Smith, LVT, VTSA
The second part of this two-part lecture will cover basic and advanced monitoring techniques for veterinary technicians, including tips that can be taken back to the clinic and immediately put into use. Topics include interpreting basic vital signs, maintaining core body temperature, oximetry, direct and indirect blood pressure techniques. The electrocardiogram and tidal carbon dioxide will be emphasized, with less emphasis on blood gases and central venous pressure.

The diagnosis and management of canine anaplasmas infections
Rick Alleman DVM, PhD DABVP, DACVP
This lecture will describe newer drugs, modalities and techniques that can assist with chronic pain therapy in small and large animal patients.

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Nonconventional drugs and techniques for pain relief
Andrea Looney, DVM, DACVA
This lecture will describe newer drugs, modalities and techniques that can assist with chronic pain therapy in small and large animal patients.

Refresher break
Exhibit areas
Coffee in Hagan Room
2:30 – 3:30
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Guidelines for cardiopulmonary cerebral resuscitation (CPCR)
Daniel Fletcher, DVM, PhD, DACVECC
Dog and cat manikin simulators with physiologic feedback (heart and lung sounds, spontaneous breathing, palpable pulses, and a patient monitor) will be used to practice cardiopulmonary cerebral resuscitation (CPCR) with volunteers from the audience and/or staff of the Cornell University Hospital for Animals. Realistic, real-time scenarios will be played out and the results of the code discussed with audience participation.

Practicing CPR - An Interactive, Case-Based Simulation
Margaret Thompson, DVM, DACVR
You took great plain films and digital radiography makes everything easier but your films are not always quite as pretty. Why? Come learn more about digital radiography and how to fix those pesky CR and DR image quality problems and artifacts. Bring your questions and problem images.

The technician’s guide to perfect films (LVT)
Beverly Smith, LVT, VTSA
This lecture will provide veterinarians with an understanding of the concepts supporting both basic life support and advanced life support techniques as translated from the 2005 American Heart Association’s Guidelines for Cardiopulmonary Resuscitation. That understanding will then be practically applied to the veterinary patient utilizing an algorithmic approach.

The diagnosis and management of canine bartonellosis
Rick Alleman DVM, PhD DABVP, DACVP
Bartonella spp. can cause active infection with evidence of mild to severe clinical disease or subclinically infected carrier states. This session is case based with audience response devices and reviews the most current concepts on the diagnosis and management of bartonellosis in dogs.

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8:00 – 9:30

Update on Mast Cell Tumors and Targeted Therapies for Companion Animals

Cheryl Balkman, MS, DVM, DACVIM; Kelly Hume, DVM, DACVIM; Kenneth Rassnick, DVM, DACVIM

Mast cell tumors (MCTs) occur frequently in dogs and often present a diagnostic and therapeutic challenge to practitioners. Although many MCTs are cured with surgery, some require additional therapy for local and systemic control. This presentation will review diagnosis, staging, prognostic indicators, and treatment recommendations for canine MCTs. Tyrosine kinase inhibitors will be discussed as well as case examples of different treatment modalities and outcomes.

8:30 – 10:30

Errors: Anesthesia Treasures (case examples)

John Ludders, DVM, DACVA

The previous lecture discussed in general terms why and how errors occur. This lecture will present case examples that demonstrate the concepts covered in the first lecture and how they can be applied to error analysis.

9:30 – 12:00

Canine Influenza Virus

Cynda Crawford, DVM, PhD

Sponsor: Intervet/Schering-Plough Animal Health

This two-hour presentation will cover epidemiology, clinical disease, diagnosis, treatment, and prevention of canine influenza.

10:30 – 11:00

Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

11:00 – 12:00

Aggression in Cats

Katherine Houpt, VMD, PhD, DACVB

Most aggression by cats to humans is fear based so the veterinarian’s responsibility is to reduce the cat’s fear as well as to protect the owner. Psychoactive medication can be helpful as can training. Aggression between cats is more difficult to treat but long slow reintroduction with different medications for the victim and the aggressor can help resolve the issue.

12:00 – 1:00

Sensible Treatment of Aggression in Dogs

Katherine Houpt, VMD, PhD, DACVB

Our first job is to protect people, including the owners, from injury. Our second job is to reduce aggression by teaching owners how to avoid the circumstances that lead to aggression as well as helping them control the dog. Decreasing aggression by behavior modification and serotonin- enhancing drugs can help many dogs. Aggression can seldom be completely eradicated (cured), but it can be controlled.

12:00 – 1:00

From Fat to Fit - Combating Obesity!

Joseph Wakshlag, DVM, PhD, DACVN

Sponsor: P&G Pet Care

Obesity is the number one health concern for veterinarians and the battle is being lost due to lack of attention, poor client communication and a lack of adequate calorie restriction. Although we have therapeutic diets that are used to enhance satiety or lean body mass, our biggest problem is client compliance. The major factor in success is client accountability, which we can achieve through better monitoring and a handbag of tools to enhance owner awareness.

12:00 – 1:00

Multiplex Analysis of Antibodies to B. burgdorferi: Insights into the immune response and new diagnostic tools for Lyme disease in dogs

Bettina Wagner, DVM, PhD

Sponsor: Merial

Lyme disease is caused by the spirochete B. burgdorferi which is transmitted to mammalian hosts by infected ticks (Ixodes spp.). In dogs, the disease is commonly diagnosed by detection of serum antibodies to B. burgdorferi which can be performed by ELISA and immune-blotting or by snap tests. Multiplex analysis is a new sensitive assay to analyze antibodies to various infection and vaccination markers of B. burgdorferi both simultaneously and quantitatively in a single sample.
Friday, October 1

8:00 – 9:00
The News Hour
Thomas Divers, DVM, DACVIM, DACVECC, and Norm Ducharme, DVM, MSc, DACVS
The major articles of the year in equine medicine and surgery will be reviewed by the presenters and the clinical significance of the findings briefly discussed while answering questions and comments from the attendees. This thoughtful session will present the more accurate practitioner’s perspective from a surgeon’s point of view.

9:00 – 9:30
Management of Challenging Limb Wounds
Richard Hackett, DVM, DACVS
This presentation will focus on management of challenging lower limb wounds. General strategies for wound management will be discussed but emphasis will be on management of two classes of common wounds—those that have sustained marked local trauma and are at high risk of synovial space infection and those that have sustained substantial tissue loss and are at high risk of prolonged healing and exuberant granulation tissue.

9:30 – 10:00
Refreshment Break

9:30 – 10:00
Beginning to See the Light: Pediatric Ophthalmology
Ann Dwyer, DVM
The lecture will discuss ophthalmology of the young horse, focusing on issues that are present at birth or acquired in the first weeks to months of life. Examination of the newborn foal will be covered as well as the etiology, diagnosis and treatment of ocular conditions commonly found in young horses.

10:00 – 10:30
Applications of Assisted Reproduction in Horses
Dirk Vanderwall, DVM, PhD, DACT
Embryo transfer is currently the most widely utilized assisted reproductive technology for mares. Although embryo transfer provides a means of obtaining pregnancies from mares that might not otherwise be capable of producing offspring, some mares cannot provide embryos for transfer; however, mares such as these can serve as oocyte donors and continue to produce foals through newer assisted reproductive techniques. Similarly, stallions with low sperm numbers and/or poor semen quality can benefit from these same technologies. And perhaps the ultimate assisted reproductive technology is cloning, which has been used to produce genetically identical mules and horses. This presentation will provide an overview of the current status of these new assisted reproductive techniques for mares and stallions.

11:30 – 12:00
Sudden mare death: What to do if the owner wants a foal
Sylvia Bedford-Guaisa, DVM, PhD, DACT
Sooner or later the equine practitioner is faced with the sudden and unexpected death of a valuable mare from which the owner wanted to obtain offspring. This lecture will present the options that can be offered to the owner regarding ovari/oocyte retrieval, shipment to a referral facility for fertilization, and transfer to a recipient mare.

12:00 – 1:30
Lunch

1:00 – 1:30
Grand Opening of New York State Veterinary Diagnostic Laboratory

1:30 – 3:00
Lab A: Vitrification of Equine Embryos
Dirk Vanderwall, DVM, PhD, DACT, and Sylvia Bedford-Guaisa, DVM, PhD, DACT
This lab will offer hands-on practice as to the exact process to be followed for equine embryo vitrification and storage.

1:30 – 3:00
Lab B: Best Case of the Year Presentations
Toby Pinn, DVM, Theresa Ollivett, DVM, Heidi Reesink, VMD, and Alanna Zantlging, DVM
Large animal surgery and medicine residents will present four cases that required follow-up by the referring veterinarian after discharge from Cornell’s Equine and Farm Animal Hospital. Unique aspects of diagnosis, treatment and care on the farm will be thoroughly discussed.

3:00 – 3:30
Refreshment Break

3:30 – 5:00
Lab A: Vitrification of Equine Embryos (repeated)
Dirk Vanderwall, DVM, PhD, DACT, and Sylvia Bedford-Guaisa, DVM, PhD, DACT

3:30 – 5:00
Lab B: Best Case of the Year Presentations
Toby Pinn, DVM, Theresa Ollivett, DVM, Heidi Reesink, VMD, and Alanna Zantlging, DVM
Among the cases presented in this lecture will be the case of an eight-year-old Quarter Horse mare who presented for diarrhea and azotemia. Blood work performed by the referring veterinarian revealed markedly elevated serum BUN and creatinine and dehydration. After admission, supportive care for renal failure was administered for approximately 36 hours prior to discharge for further care at home. The referring veterinarian played an integral role in the treatment of the mare once discharged.

Saturday, October 2

8:00 – 9:00
Overview of Most Common Uses for Ultrasound in Equine Medicine at Private Referral Hospitals
Fairfield Bain, DVM, MBA, Dipl. ACVIM, ACVP, ACVECC
This presentation will cover a spectrum of applications for diagnostic ultrasound currently in common use in private practice settings, including imaging of the thorax, abdomen, and small parts. The presentation will focus on applications to the sick patient - specifically colic and other medical conditions — rather than musculoskeletal or reproductive applications. The goal is to familiarize the participant with conditions that can be diagnosed using ultrasound as a tool in practice to achieve a rapid, on-site diagnosis.

9:00 – 9:30
Hyperbaric Oxygen Therapy - Principles and Indications
Fairfield Bain, DVM, MBA, Dipl., ACVIM, ACVP, ACVECC
Hyperbaric oxygen chambers for animals are becoming more available regionally. This presentation will be from a comparative perspective and will discuss the principles — physics and physiology — behind the use of hyperbaric oxygen for medical conditions in animals and how it can be another tool to address certain problems in both the horse and companion animals.

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10:00 – 10:30
**Lyme Disease in Horses: A novel multiplex assay to improve the diagnostic of antibodies to *B. burgdorferi***
Bettina Wagner, DVM, PhD
Sponsor: Merial
Lyme disease is transmitted to mammalian hosts by ticks (*Ixodes* spp.) infected with the spirochete *B. burgdorferi*. In horses, the disease is commonly diagnosed by detection of serum antibodies to *B. burgdorferi* by ELISA and immune-blotting. Multiplex analysis is a new sensitive assay to analyze antibodies to various infection and vaccination markers of *B. burgdorferi* both simultaneously and quantitatively in a single sample and to distinguish between early and chronic stages of infection.

10:30 – 11:00
**Magnetic Resonance Imaging in Horses**
Peter Scrivani, DVM, DACVR
The Cornell University College of Veterinary Medicine is installing a high-field (1.5T) MR scanner that will be operational in the fall of 2010. The lecture will introduce the imaging technology and discuss clinical applications in horses that are primarily musculoskeletal imaging of the distal extremity and neuro-imaging. Case examples will be used to show the indications and unique advantages of this imaging modality.

11:00 – 11:30
**Can Minocycline Replace the Use of Doxycycline in Equine Practice?**
Lauren Schnabel, DVM, DACVS
Minocycline holds great potential for use in horses not only for its anti-microbial properties but also for its anti-inflammatory and neuroprotective properties. This lecture will discuss the pharmacokinetics, safety, and penetration of minocycline into plasma, synovial fluid, cerebral spinal fluid, and aqueous humor after oral administration of multiple 4mg/kg doses in horses. This is the first pharmacokinetic and safety data available on the use of minocycline in horses and will be compared to that of doxycycline.

11:30 – 12:00
**Efficient and Practical Laminar Cryotherapy in the Horse**
Jon Cheetham, VetMB, PhD, DACVS
Cryotherapy of the equine digit is the only treatment that has been shown to prevent the development of acute laminitis in horses. The goal of this study was to compare digital venous temperature to laminar temperature following the application of three separate methods of cryotherapy to the equine distal limb using a randomized, crossover study design. Gel boots produced mild hoof cooling (range 5-10 °C); ice bags produced marked cooling (range 15-20 °C), and the wader boot produced the most profound cooling below baseline laminar temperature (range 20-25 °C), reaching laminar temperatures of 10°C. Digital venous temperature closely correlated with laminar temperature. Further investigation is required to determine the temperature required to produce an optimal prophylactic effect.

12:00 – 1:00
**Lunch**
Exhibit Areas

1:00 – 2:30
**Lab B: 911 — Adult and Foal Diarrheas: How to do a complete diagnostic workup**
Linda Mittel, MSPH, DVM
Discussion of diagnostic flow charts and new AHDC panels for acute and chronic diarrhea in the adult and foal. Included in the discussion will be new diagnostic tests, changes in sampling techniques, and information on easy-to-use AHDC kits for complete testing. Lab session to include: (1) hands on stations including ELISA testing for Clostridium toxins, inoculations of transport media, (2) disinfectants and “fomite” control, and (3) “How-to Session” on using kits to get optimum results.

2:30 – 3:00
**Refreshment Break**
Exhibit Areas
Coffee in the Hagan Room

3:00 – 4:30
**Lab B: 911 – Adult and Foal Diarrheas: How to do a complete diagnostic workup (repeat)**
Linda Mittel, MSPH, DVM

3:00 – 4:30
**Lab A: General ultrasound lab (repeat)**
Fairfield Bain, DVM, MBA, Dipl., ACVIM, ACVP, ACVECC

3:00 – 4:30
**Lab A: General ultrasound lab**
Fairfield Bain, DVM, MBA, Dipl., ACVIM, ACVP, ACVECC
This will be a hands-on experience using ultrasound imaging for evaluation of medical problems of the horse — focusing mainly on the thorax, abdomen, and small parts such as the jugular vein, throat, and eye. The experience will provide for optimal “knobology” to produce the best quality image possible as well as an understanding of a systematic examination of the chest and abdomen in the sick equine patient.
BOVINE PROGRAM

Friday, October 1
8:00 – 9:30
Lameness in Dairy Cattle: A debilitating disease or a disease of debilitated cattle?
Rodrigo Bicalho, DVM, PhD
Lameness affects the dairy industry in several different ways: lower milk production, decreased reproductive efficiency, and increased cull/death rates. Additionally, lameness is an incredibly visible disruption of the welfare of dairy cows. In this lecture, the findings of recent research, conducted in commercial dairy farms near Ithaca, NY, associating the thickness of the digital cushion with the prevalence of lameness, will be described as well as novel strategies to prevent and treat lameness.

9:30 – 10:00
Refreshment Break
Exhibit Areas
Coffee in the Hagan Room

10:00 – 12:00
Field Investigations for Respiratory Disease in Dairy Heifers
Donald Sockett, DVM, MS, PhD, DACVIM
Respiratory disease in dairy heifers is multi-factorial. Solving a calf pneumonia problem requires a systematic approach which includes some diagnostic testing. Colostrum management, nutrition, animal density and heat/cold management should be evaluated. In addition, building and pen design and ventilation should be examined. Pharyngeal swabs should be collected from 4-6 calves with acute respiratory disease to determine if the vaccination and anti-microbial drug treatment protocols need to be changed.

12:00 – 1:30
Lunch
Exhibit Areas

1:00 – 1:30
Grand Opening of New York State Veterinary Diagnostic Laboratory

1:30 – 3:00
Diagnostics for Respiratory Disease in Dairy Heifers
Donald Sockett, DVM, MS, PhD, DACVIM
Solving dairy heifer pneumonia problems requires knowledge of the bacteria and viruses that are present in acutely affected animals. Testing of lungs from heifers that have died of respiratory disease is problematic because most animals have been treated with three or more different anti-microbial drugs for several days prior to death. Deep pharyngeal swabs collected from 4-6 calves with acute respiratory disease is an excellent tool whereby diagnostic samples can be tested for respiratory viruses and bacteria.

3:00 – 3:30
Refreshment Break
Exhibit Areas
Coffee in the Hagan Room

3:30 – 5:00
Farm Animal Wellbeing Roundtable
Frank Welcome, DVM, DACT, MBA; Kathy Finnerty, MS, Program Manager, NYS Cattle Health Assurance Program
Farm animal welfare concerns have become common publicly-debated issues. Animal rights and anti-animal agriculture organizations have depicted common husbandry practices, often out of context, as cruel and inhumane. These exposés have resulted in consumers becoming increasingly concerned about modern agricultural practices and have tainted the image of veterinarians and farmers as animal care givers. This roundtable discussion will present a forum for veterinarians to discuss their roles as providers and advisors of welfare practices to livestock farmers and present resources available to practitioners to improve animal wellbeing.

Saturday, October 2
8:00 – 9:30
Differential Diagnosis of Heifer Respiratory Disease (lecture)
Gerald Duhamel, DVM, PhD, DACVP
This lecture and wet lab will review differential diagnosis of respiratory disease in dairy heifers and present practical procedures for performing a complete field gross postmortem examination including appropriate specimen selection for pathological and microbiological examinations. Special emphasis will be given to normal anatomy, pattern recognition of specific respiratory diseases, lesions of diagnostic significance, and differentiation from post mortem changes and common artifacts. Guidelines for preparation of submission forms including pertinent history, gross description, and sample labeling will be described. A field necropsy kit available through the Animal Health Diagnostic Center at Cornell and proper procedures for shipping specimens to a diagnostic laboratory also will be reviewed.

9:30 – 10:00
Refreshment Break
Exhibit Areas
Coffee in the Hagan Room

10:00 – 12:00
Differential Diagnosis of Heifer Respiratory Disease (wet lab)
Gerald Duhamel, DVM, PhD, DACVP
[Limited to 15 participants]
Saturday, October 2

8:00 – 9:00  
Sheep and Goat Pharmacy  
Joan Bowen, DVM

Very few pharmaceuticals are licensed or labeled for use in sheep or goats, and AMDUCA and ELDU regulations limit access to many commonly used drugs. Topics to be covered include common drug choices, differences in route and frequency of administration, determining withdrawal times, banned drugs, and recommendations for treating common health problems such as respiratory disease, mastitis, metritis, soft tissue infections, and neurological disease.

9:00 – 9:30  
Encouraging Sheep and Goat Producers to Improve Production Efficiency  
Joan Bowen, DVM

All livestock producers need to maximize sources of income from the same animals in a tough economy. Opportunistic producers are increasing income by raising sheep that produce both high-quality lamb carcasses and high-value hand-spinning fleeces. Sheep and goat producers using specific pathogen prevention programs experience higher survival rates for youngsters that exceed their replacement needs and this excess can then be sold to new or expanding producers. Improved nutrition and management programs decrease expenses by preventing disease and increasing growth rates.

9:30 – 10:00  
Refreshment Break  
Exhibit Areas  
Coffee in the Hagan Room

10:00 – 11:00  
Prevention and Treatment of Nutritional and Metabolic Diseases in Sheep and Goats  
Joan Bowen, DVM

Many of the acute, life-threatening emergencies of sheep and goats are metabolic crises that could be prevented through better nutritional management. Diagnosis, prevention and treatment of pregnancy toxemia, hypocalcemia, neonatal hypoglycemia, lactic acidosis and mineral imbalances are among the topics discussed.

11:00 – 12:00  
Inserting the Veterinarian into Sheep and Goat Production Cycles  
Joan Bowen, DVM

A common complaint from many sheep and goat producers is their inability to find a veterinarian willing to see their acutely ill animals or who will assist them in developing herd health programs. The actual livestock production cycle offers many opportunities for the interested veterinarian to provide assistance or consultation on nutrition, biosecurity, herd health, disease prevention, reproductive examination and pregnancy diagnosis.

12:00 – 1:00  
Lunch  
Exhibit Areas  
Coffee in the Hagan Room

1:00 – 2:30  
Selected Topics in Camellid Reproduction: From hysterectomy to uterine torsion  
Sylvia Bedford-Guas, DVM, PhD, DACT

The first part of this lecture will consist of the presentation of a series of reproductive cases in female camels, with emphasis on diagnostic techniques, including a discussion on the usefulness of hysterectomy. In the second part of the lecture, the diagnosis and medical management of uterine torsion as a cause of dystocia in camels will be discussed.

2:30 – 3:00  
Refreshment Break  
Exhibit Areas  
Coffee in the Hagan Room

3:00 – 4:00  
Ocular Examination and Diseases of Camels  
Eric Ledbetter, DVM, DACVO

Ocular disease is prevalent in many camelid populations and a variety of conditions are commonly encountered in clinical practice. Basic anatomical features of the camellid eye and ophthalmic examination techniques will be reviewed. The clinical features, diagnosis, and treatment of ocular diseases that are particularly common in, or unique to, camels will be discussed.

4:00 – 5:00  
Blood and Plasma Transfusions in the Field  
Toby Pinn, DVM

This lecture will summarize the indications for camelid blood and plasma transfusions in the field and include a discussion of camelid immunology and methods for measuring passive transfer of immunoglobulin. Venous catheterization will be explained, along with blood collection techniques and the equipment required.

Sunday, October 3

8:30 – 10:30  
New Developments in Small Ruminant and Camelid Medicine  
Mary Smith, DVM, DACT, and Joan Bowen, DVM

Come hear the latest news on new drug approvals for small ruminants such as the recent approval of CIDRS in sheep, updates on the continuing outbreaks of Q fever in the Netherlands and Canada, a project to collect photographs of every breed of sheep and goats, and the news on tranquilizers and anesthetics for camels. Topics will be added as new information becomes available.

10:30 – 11:00  
Refreshment Break  
Exhibit Areas  
Coffee in the Hagan Room

11:00 – 1:00  
Breeding Soundness Examination of the Ram  
Katherine Beltaire DVM, DACT, and Mary Smith, DVM, DACT

During this session, the procedure for conducting a ram breeding soundness examination will be discussed and demonstrated, including collection of a history, examination of the external genitalia, assessment of libido, semen collection and evaluation, and the classification criteria for potential breeders.

11:00 – 1:00  
Ovine and Caprine Parasite Control (repeat)  
Dwight Bowman, PhD
New York State Veterinary Conference

Hosted by the New York State Veterinary Medical Society and the Cornell University College of Veterinary Medicine

September 30 - October 3, 2010 (Thursday-Sunday) / Ithaca, NY

Earn 18 Hours of Continuing Education

The NYS-VC offers 104.5 hours of continuing education in three days. The total number of C.E. hours per day are as follows: Friday-6.5; Saturday-6.5; Sunday-4.5.

This conference has been submitted (but not yet approved) for 18 hours of continuing education credit in jurisdictions that recognize AAVSB RACE approval; however participants should be aware that some state veterinary boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education. Call Amanda Mott at 607.253.3200 for further information.

A RACE certificate will be mailed to every registrant after the conference.

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