39th Annual Conference of the American Association of Bovine Practitioners

September 21-23, 2006 ▪ Saint Paul RiverCentre ▪ Saint Paul, Minnesota

Preconference Specialty Seminars ▪ September 17-20
- Joint Sessions with the American Association of Small Ruminant Practitioners
- Full-Day Veterinary Technician Program

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Preregister Online Now: www.aabp.org
THE AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS

wishes to express gratitude to the following companies for their generous financial support of the 39th Annual Conference.

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Schering-Plough Animal Health
Vance Publishing
Vetbio, Inc.
AABP WELCOMES YOU TO SAINT PAUL!

Get ready to gather with friends and colleagues this fall in Saint Paul, Minnesota, as we return to the city where the AABP enjoyed its conference in 1992! Saint Paul is a historic capital city recognized for its European charm, its culturally diverse and friendly people, and its picturesque location on the Mississippi River. Home to world-class attractions, Saint Paul is well-known for bustling restaurants and a variety of theaters, all within walking distance of many city center hotels.

Downtown Saint Paul is alive with an array of entertainment options from Broadway productions at the Ordway Center for the Performing Arts to NHL hockey and major concerts at Xcel Energy Center. Interesting restaurants and jazz clubs throughout downtown and along Grand Avenue and West 7th Street provide unique ways to enjoy the city.

Saint Paul has a fascinating past and its colorful history is told through narrated history tours, Padelford boat rides on the Mississippi, and at many historic sites, including Landmark Center, the Minnesota State Capitol, Historic Fort Snelling, the Alexander Ramsey House, the Cathedral of Saint Paul, and James J. Hill House located on stately Summit Avenue.

The 2006 AABP Program Committee invites you to Saint Paul for an outstanding opportunity to participate in extensive and fast-moving scientific programs dealing with issues of animal welfare, cattle disease, and production. Start your week with one or more of 21 preconference seminar offerings. The longest running seminar, Quality Milk Production, returns after “taking the year off” in 2005. This year, Thursday evening’s program will feature “Matter-of-Facts for Cattle Veterinarians: Top Practice Tips & Smart Techniques,” our ever-popular practice tips session, which will follow the Exhibitor Reception and Opening Ceremony.

Back again in 2006 are the Clinical Forums, which give you, the bovine practitioner, opportunities to “pick the brains” of experts on an array of clinical topics in a small discussion group. We’ve changed the format slightly to enhance your day: registration for the Clinical Forums includes a hot breakfast at the start of both Thursday and Friday morning sessions.

Conference registrants can participate in the most current and thought-provoking sessions on Beef, Dairy, Feedlot, and General cattle topics. Regardless of your interests, you will be equipped with information to take home and use in your own practice … the kind of information that will make you a better bovine practitioner immediately and in the future.

Both veterinarians and veterinary technicians are invited to attend our fifth full-day Veterinary Technician program on Thursday, September 21.

We also welcome the American Association of Small Ruminant Practitioners, which will meet jointly with the AABP again this year. Every conference registrant will be able to attend sessions scheduled throughout the week as part of both the AABP and AASRP agendas … ideal for the mixed animal practitioner. In addition to the main program of scientific sessions, the agenda includes Research Summaries, Student Case Presentations, and Scientific Posters—all presented at the Saint Paul RiverCentre.

Come to Saint Paul, enjoy renewing old acquaintances and making new ones, live it up with friends at the Science Museum of Minnesota event Friday night and on the riverboats Saturday night, and learn from a fabulous, meaningful program put together with the bovine practitioner in mind.

John Ferry, AABP President
Charlie Hatcher, Program Chair
Sarah Overby, Local Arrangements Coordinator
HOW TO REGISTER

Use the Web or the Forms in This Booklet
You can register online at www.aabp.org. Besides detailed conference information, this booklet contains the forms you need if you prefer not to register electronically for the conference. Forms are also included for sightseeing tours, hotel accommodations, and the annual golf outing (see the Registration Forms insert in the center).

Plan Your Conference Schedule
When you pick up your Registration Packet in Saint Paul, you will receive an easy-to-follow 2006 Pocket Guide showing locations, times, dates, and special-event reminders in grid format. It will present at a glance what is happening during every hour of every preconference and conference day … and where. You can preplan by viewing this agenda on the AABP Web site during the summer: www.aabp.org

If You Have a Question
Please ask. Send an email message to AABP headquarters at aabphq@aabp.org or call the office in Auburn, Alabama, toll free: 800-269-2227.

AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS

Mission
The AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS is an international association of veterinarians organized to enhance the professional lives of its members through relevant continuing education that will improve the well-being of cattle and the economic success of their owners, increase awareness and promote leadership for issues critical to cattle industries, and improve opportunities for careers in bovine medicine.

Program Committee
Program Chairman...........Charlie Hatcher
Seminar Coordinator ........Mike Bolton
General Sessions
Coordinator ..................Elizabeth Tabor
Dairy Sessions Coordinator ....Pat Gorden
Feedlot Sessions
Coordinator ..................Wade Taylor
Cow-Calf Sessions
Coordinator ..................Kevin Vance
Student Case Presentations
Coordinator ..................Paige Eichar
Veterinary Technician
Coordinator .................Mike Creel
Practice Tips ................Jim Brett
Research Summaries
Coordinator .................Dan Grooms/Jenks Britt
Poster Sessions
Coordinator .................Dan Grooms/Jenks Britt
Clinical Forums ...........Charlie Hatcher
Local Arrangements
Coordinator ................Sarah Overby
Exhibits Manager ..........Sam Hutchins
Editor .......................Bob Smith

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District 6 ...................Bill Seglar
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District 8 ...................Charlie Deyhle
District 9 ...................John Schnackel
District 10 ...................John Lee
District 11 ..................Scott Walthen
District 12 ................Reny Lothrop
District 13 ................Sjoert Zuidhof
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LOCATION

All AABP Conference scientific sessions, seminars, exhibits, posters, and other scheduled activities will be held at the Saint Paul RiverCentre on 175 W. Kellogg Boulevard (651-265-4800; www.rivercentre.org).

KELLOGG LOBBY IN RIVERCENTRE

Photos: Saint Paul RiverCentre Convention & Visitors Authority
REGISTRATION

Location: Monday-Tuesday
Saint Paul RiverCentre, Kellogg Lobby
Monday, Sept. 18
7:00am-5:00pm
Tuesday, Sept. 19
7:00am-9:00am

Location: Tuesday-Saturday
Saint Paul RiverCentre, Exhibit Hall A (Rotunda Area)
Tuesday, Sept. 19
9:00am-5:00pm
Wednesday, Sept. 20
7:00am-5:00pm
Thursday, Sept. 21
7:00am-5:00pm
Friday, Sept. 22
7:00am-5:00pm
Saturday, Sept. 23
7:00am-11:00am

MEETING ROOM OVERLOOKING THE MISSISSIPPI RIVER

TRAVEL ARRANGEMENTS

AABP TRAVEL AGENCY
Magical Travel and Events in Rome, Georgia, is handling travel arrangements for the 2006 AABP Conference. Alice Enloe, AABP Desk supervisor, and her associate, Trish, are ready to assist you.

How to Contact Magical Travel: call the toll-free WATS line, 800-762-8747, and ask for the AABP Desk. Or make your travel request by email: book@mtetravel.com. You can also fax your request to 706-295-0432. Requests by US Mail should be directed to Magical Travel and Events, Inc., 3 Central Plaza Shopping Center, Rome, GA 30161.

Airfare Discounts: special airfare discounts have been arranged with American Airlines, Delta Airlines, Northwest Airlines, and United Airlines. Certain provisions of the discount program vary slightly between airlines, but all are offering 5% off the lowest applicable fare with a 60-day advance ticket purchase. Discounts on Business Saver fares range from 10% to 15%.

Best Airfares. To obtain the best airfares, make reservations early. Staying over a Saturday night may reduce your ticket cost. Special zone fares, which are usually lower than lowest applicable fares, have been negotiated for AABP travelers who cannot include a Saturday night stay. Note that fares are not guaranteed until actually ticketed. Magical Travel will work with you to ensure the best possible flight schedule and rate.

AABP Travel Credits. Travel arrangements made through Magical Travel earn credits for the AABP. If you prefer to book through your own travel agent, please obtain booking instructions from the AABP Desk at Magical Travel so that AABP receives these credits. If you call an airline directly, you will need to supply the appropriate meeting network information, which is available from Magical Travel. (AABP does not receive credits for online travel bookings, as the booking field makes no provision for the proper documentation.)

For hotel descriptions and a location map, turn to center section pages C6-C7.

TRAVEL INFORMATION OR RESERVATIONS

Toll-free Phone:
800-762-8747 (WATS line)
Ask for the AABP Desk
Email: book@mtetravel.com
Fax: 706-295-0432
Write:
Magical Travel & Events Inc. 3 Central Plaza Shopping Center Rome, GA 30161

Rental Cars: Avis Rent A Car is offering reduced rates for AABP conference week. Details will be mailed with your confirmation packet. If booking through Magical Travel, your rental car can be reserved at a special AABP price when you arrange your flights.

LODGING
Hotel accommodations should be reserved through the Saint Paul Housing Bureau. Each of the following hotels has been selected by AABP and offers discounted conference rates through the Housing Bureau. Online: www.aabp.org, click on Hotel Reservations.

Headquarters Hotel
Crowne Plaza Hotel St. Paul-Riverfront 11 East Kellogg Boulevard
Other Nearby Hotels
City Center Hotel, 411 Minnesota Street
Embassy Suites Saint Paul Downtown, 175 E. 10th Street
Holiday Inn St. Paul-RiverCentre, 175 West 7th Street
The Saint Paul Hotel, 350 Market Street

All hotels listed are within walking distance of the Saint Paul RiverCentre.

THE 39TH ANNUAL CONFERENCE OF THE AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS
The Exhibit Area offers an excellent opportunity to interact with providers of biologics, pharmaceuticals, equipment, and services applicable to cattle practice. Your Guide to the Exhibitors features a detailed Exhibit Area floor plan plus exhibitor telephone and fax numbers, email addresses, and Web sites for your convenience after the conference. Exhibits are located on the Lower Level of the RiverCentre. Food service will be available during milk/refreshment breaks and at lunchtime on Thursday and Friday.

AABP exhibitors are hosting a “Come Join Us” Reception buffet in the Exhibit Area from 5:15 until 6:45pm on Thursday, September 21. Veterinarians, guests, sponsors, and exhibitors are invited to enjoy a light meal and friendly conversation. The Opening Ceremony and an evening of practice tips will follow this reception.

“Bovine Bucks” discount coupons applicable toward the price of a beverage and sandwich will be given to each registered veterinarian and veterinary technician for use during the Thursday and Friday luncheon breaks in the Exhibit Area. Thursday’s “Bucks” are sponsored by Pfizer Animal Health. Friday’s are sponsored by Schering-Plough Animal Health. Simply stop by the Pfizer or Schering-Plough booths to redeem them for your meal vouchers worth $10.00 each.

BUY YOUR LUNCH WITH BOVINE BUCKS!

They’re Like Having Extra MOOla!

Look for the 2 discount coupons in your Registration Packet. Redeem them at the Pfizer or Schering-Plough booths for meal vouchers worth $10.00 each.

Sponsored Thursday by Pfizer Animal Health

Sponsored Friday by Schering-Plough Animal Health
contact and meet face to face. In 2006, new AABP members will also be able to take advantage of this opportunity to meet other members. The AABP-L helps participants keep up-to-date, obtain answers to questions, and provide information to fellow practitioners. Discussions will be informal but informative. Come share beverages and pastries while you get together with new AABP members and Listserv users.

**ABVP Certification Workshop**
Friday, Sept. 22
12:00pm
Please pick up your lunch in the Exhibit Area and take it with you to the workshop.

**ABVP Diplomate Breakfast**
Friday, Sept. 22
6:30-7:45am

**Christian Veterinary Mission Breakfast**
Saturday, Sept. 23
6:30-7:45am
Fee: $15.00

**Committee Chairpersons Breakfast**
Thursday, Sept. 21
6:30-8:30am

**Committee Meetings**
Thursday, Sept. 21
9:00am-11:00pm
Note: All committee meetings are open to any AABP member.

AABP Amstutz Scholarship
Animal Welfare
Biological Risk Management & Preparedness
Constitution & Bylaws
Food Quality, Safety, & Security
Forward Planning
Information Management
Lameness
Mastitis Control
Membership
Nutrition
Pharmaceutical & Biological Issues
Reproduction

**Program Committee**
Wednesday, Sept. 20
6:00pm
Thursday, Sept. 21
5:00pm
Friday, Sept. 22
5:00pm
Note: Any Program Committee member who is unable to attend is asked to send a moderator or representative in his/her place.

**Faculty Representative, Food Animal Educators, & Extension Veterinarians Breakfast**
Friday, Sept. 22
6:00-9:00am

**Student Reception**
Thursday, Sept. 21
9:30pm
Sponsored by Elanco Animal Health

**CONFERECE SERVICES**

**Accompanying Persons Hospitality Room**
Thursday, Sept. 21-Saturday, Sept. 23
9:00am-5:00pm

*All attendees registered as “Accompanying Persons” are welcome to enjoy their private Hospitality Room from Thursday through Saturday.*

**Bovine Bucks**
All AABP registrants will receive “Bovine Bucks” coupons valid toward the price of a beverage and sandwich in the Exhibit Area at lunchtime on Thursday and Friday. These discount “Bucks” are sponsored by Pfizer Animal Health (Thursday) and Schering-Plough Animal Health (Friday). Take your coupons to the sponsors’ booths for a meal voucher worth $10.00

**Speaker Ready Room**
Wednesday, Sept. 20-Saturday, Sept. 23
8:00am-5:00pm

**INTERNET CAFE in the Exhibit Hall**
Thursday, Sept. 21 • 9:00am-6:45pm
Friday, Sept. 22 • 9:00am-4:00pm
- Pick up email
- Check Web sites
- View Web applications
- Access exhibitor information
- Answer the AABP Membership Survey

*Sponsored by Elanco Animal Health*
OPENING CEREMONY THEN AN EVENING OF PRACTICAL TIMESAVERS

Matter-of-Facts for Cattle Veterinarians:
Top Practice Tips & Smart Techniques

Thursday, Sept. 21, Following the Opening Ceremony at 7:30pm
Moderator: Dr. Jim Brett

PRACTICE TIPS
are among our most popular sessions at the AABP Conference. This year we’re going to make it easier than ever for you to go back to your practice with great advice! Come to the Opening Ceremony, and you’ll leave with more than a good message … you’ll take home candid, well-thought-out tips, “tricks,” and techniques that will help you practice better and more efficiently. This information will be directly applicable to what you do because it’s coming from experts who have learned it in the trenches.

Beating a Path Through Academic Red Tape (Working the Admissions Process System)
Dr. Jim Brett

Pump that Brain—A Tip About Necropsy
Dr. John Day

“The Midnight Ride of Z-Jenks”
Dr. Jenks Britt

Feedyard Pearls
Dr. Dan Thomson

Difficult OBs/Malpresentations: Be Wily or Be Wise—Avoiding the Knife and the “Fetatomb”
Dr. Jim Hartman

Surgery Tips for the Field: Asepsis for You and Me!
Dr. David Anderson

Save That Palpating Arm
Dr. Keith Wilts

Tennessee Tidbits … Returns!
Dr. Hugh McCampbell

SOCIAL EVENTS

Annual Golf Tournament
Wednesday, September 20
Mississippi Dunes Golf Links
Cottage Grove, Minnesota

Just 10 minutes south of Saint Paul, the Mississippi Dunes golf course features 18 holes sculpted in rolling terrain overlooking the Mississippi River Valley. You’ll enjoy the ambiance of a private retreat, natural prairie wildlife, and majestic trees along 3,000 feet of Mississippi River shoreline as you play elevated greens and finely manicured bentgrass fairways. Take a virtual tour of this nicely challenging course: www.mississippidunes.com/virtualtour.php.

1st Tee-off: 9:00 am; 2-person teams, Chapman system scoring
Cost: $85.00 (USD); includes transportation, green fee, practice balls, and golf cart

Tournament coordinator:
Dr. Michael Anderson (360-354-5095; bosdoc@msn.com)
See page C5 for a signup form.
Acquaint yourself with Saint Paul and the Saint Paul RiverCentre! Plan the week's activities while you visit comfortably with other conference-goers. Members of the AABP Program Committee will be present to answer your questions about the 2006 agenda. You'll also be able to talk with representatives from metroConnections, AABP's tour provider; the Saint Paul Convention and Visitors Bureau; event planners; and local veterinarians. Individuals familiar with Saint Paul will be available to answer your specific questions about the city. Stop here for dinner, too! We'll be offering free soft drinks and a cash bar. It's an ideal time and place to catch up with friends before the conference begins.

“Just Desserts” Reception
Wednesday, September 20
8:00-9:00pm
Sponsored by Merial

Your Wednesday Welcome includes a delicious dessertfest following the Welcoming Reception. Oh, how sweet! Find out who wins the Milk Quality Award.

“Come Join Us” for Dinner
Thursday, September 21
5:15-6:45pm
Location: Exhibit Area
Sponsored by the AABP Conference Exhibitors

Stop by for conversation and tasty dinner delights before the Opening Ceremony followed by its helpful practice tips focus.

AABP’s Evening at the Museum
Dinner and Discoveries at the Science Museum of Minnesota
Friday, September 22
Time: 6:00-10:00pm
Location: Science Museum of Minnesota (across the street from Saint Paul RiverCentre)
Price: $35.00 Adult / $20.00 Students and Children 12-18 / Children 11 and Under Free

Pfizer Animal Health
Ticket price has been reduced to a fraction of this event's cost through the generosity of Pfizer Animal Health.

Make plans to enjoy a great meal and a great museum on Friday night! The Science Museum of Minnesota is just across Kellogg Boulevard from the RiverCentre and is a must-see destination for people of all ages. It's only a short walk to the museum entrance where you'll be invited to come in and sit down for a delicious meal served by the professional staff of highly respected, innovative Lancer Catering.

After dinner, you are free to explore all of the museum’s exhibits, which focus on topics ranging from the human body to dinosaurs to the world’s weather. Literally get your hands on hundreds of interactive displays and be amazed by the more than two million artifacts in a museum built to satisfy your curiosity, imagination, and quest for fun. Because the museum will be closed to the public, we’ll have the place all to ourselves—no crowds!

The Science Museum of Minnesota also features a one-of-a-kind, larger-than-life Omnitheatre. As part of your event price, you will receive a ticket to the breathtaking film Australia, which will be shown on the Omnitheatre's spectacular 90-foot domed screen. Prepare to be fascinated! This tremendous event has been made possible through the generous support of Pfizer Animal Health.

STAY THROUGH SATURDAY FOR THIS SPECIAL TREAT!
Rollin’ on the River
A Mississippi Riverboat Dinner Cruise
Saturday, September 23
Time: 6:00-9:30pm (return bus to all five conference hotels)
Location: Padelford Landing, Harriet Island Regional Park

Tickets: Thanks to the generosity of Schering-Plough Animal Health, there is no charge for this event, but the number of tickets available is extremely limited. Tickets must be reserved in advance online or by hard-copy registration form and will be issued on a first-come, first-served basis. Requests for more than two tickets per registrant must be made by phone (toll free) to AABP: 800-269-2227.

You’ll meet at the Crowne Plaza Hotel St. Paul-Riverfront for a refreshing libation and brief presentation, then board shuttle buses for the short hop to the Padelford Packet Boat Company dock to depart. After going aboard the sidewheeler Anson Northrup, which will be linked to the Betsey Northrup, a two-deck party barge, you will enjoy drinks and a delightful, relaxed full-course dinner. Every care is sure to vanish as you glide along the beautiful Mississippi River and take in its outstanding scenery for 2 very special hours of cruising. Come roll peacefully along the river and make wonderful memories to take home from the conference.
TOURS

YOUR 2006 “TOUR GUIDE”

metroConnections, Inc.
1219 Marquette Avenue, Suite 110
Minneapolis, MN 55403
nmoriarty@metroconnections.com

MAKE THE MOST OF YOUR TIME IN SAINT PAUL BY ADDING A SIDE TRIP OR TWO!

Schedule one or more of the following tours on Thursday, Friday, or Saturday while you are in Saint Paul.

Please note! The AABP Office cannot take tour reservations. All tours are being handled by metroConnections, Inc. Use the form on page C2 in the center of this booklet.

TWIN CITIES HIGHLIGHTS TOUR

Thursday, September 21

Experience a sampling of what makes the Twin Cities fantastic.

During this 3-hour tour, your guide will provide commentary on the downtowns of Minneapolis, Saint Paul, and surrounding areas. While in Minneapolis, we will explore the famous Nicollet Mall, Skyway network, Minneapolis Sculpture Garden, Milwaukee Train Depot, Orchestra Hall, the television home of Mary Tyler Moore, and Saint Anthony Falls, the birthplace of Minneapolis.

A short stop will be made at Minnehaha Park to see Minnesota’s oldest tourist attraction. This is where the 22-mile Minnehaha Creek, which flows from Lake Minnetonka through the western suburbs of Minneapolis and into the city, dives over the falls and into the Mississippi River. The 53-foot falls were immortalized in Henry Wadsworth Longfellow’s “Song of Hiawatha” and are visited by thousands of tourists and locals every year.

And then it’s on to Saint Paul, Minnesota’s charming historic capital city. Magnificent Art Deco and Victorian reminders of the past nestle next to sleek skyscrapers, giving this capital city an Old World charm. We will drive along Summit Avenue, one of the longest stretches of virtually uninterrupted Victorian architecture in the United States.

ARTS IN THE CITY

Thursday, September 21

“To be or not to be: that is the question. Whether ‘tis nobler in the mind to suffer the slings and arrows of outrageous fortune, or to take arms against a sea of troubles and, by opposing, end them?”

Our first stop will be the brand-new Guthrie Theater, which reopens in summer 2006 on the beautiful Mississippi River in downtown Minneapolis.

Following the theater tour, we will explore the Minneapolis Sculpture Garden, the largest urban sculpture garden in the nation, featuring the Spoonbridge and Cherry fountain sculpture.

Our final stop will be at the Minneapolis Institute of Arts. Established in 1883, the museum is “dedicated to national leadership in bringing arts and people together to discover, enjoy, and understand the world’s diverse artistic heritage.” Housing more than 100,000 objects from every age and culture spanning 5,000 years, the permanent collection includes paintings, sculpture, decorative arts, period rooms, prints, drawings, textiles, and photography. This museum is internationally recognized as one of the great museums of America.

TURN TO PAGE C2 for costs, departure times, and registration information.
All tours are available only through metroConnections.
Reservations cannot be made by the AABP.
STILLWATER

Friday, September 22

Located on the Saint Croix River, Stillwater lays claim to being Minnesota’s oldest town and the birthplace of the Minnesota Territory in 1849.

Stillwater is steeped in history, architectural gems, and beautiful natural surroundings. The residents are close enough to the Twin Cities to be practical, yet far enough away to feel as if they are living in the country.

We will enjoy a delicious lunch at the famed Lowell Inn. This three-story hotel is frequented by important personalities in the business, political, and social life of Stillwater and Minnesota.

Following lunch, we will visit Northern Vineyards in Stillwater’s historic Staples Mills for a tour and wine tasting. There will be time after lunch to enjoy the variety in quality shopping on Stillwater’s historic streets. Boutiques, specialty shops, antiques, and art galleries offer abundant choices for the discriminating shopper.

MALL OF AMERICA

Friday, September 22

Spend the day at the Mall of America!

Anyone who thinks the Mall of America is just a big mall probably thinks that the Grand Canyon is just a big hole in the ground. Designed as a city within a city, the Mall of America is the largest fully enclosed mall in the nation, hosting more visitors annually than Disney World and the Grand Canyon combined.

In one afternoon you can ride on a roller coaster (The Park at MOA), explore the bottom of the ocean (Underwater Adventures Aquarium), drive 200 mph without getting a speeding ticket (NASCAR Silicon Motor Speedway), visit dinosaur fossils (Dinosaur Walk Museum), get married (Chapel of Love), and still have time to shop.

CABELA’S & OUTLET SHOPPING

Saturday, September 23

Our first stop will be at the new Cabela’s store in Rogers, Minnesota. Located on a 55-acre site about 10 miles northwest of Minneapolis, this 185,000 sq. ft. showroom is an educational and entertainment attraction featuring a décor of museum-quality animal displays, huge aquariums, and trophy animals interacting in realistic re-creations of their natural habitats.

The next stop will be just up the road at the Albertville Outlet Mall. Find impressive savings at 100 outlets, including Adidas, Banana Republic, BCBG Max Azria, Calvin Klein, Kenneth Cole, Liz Claiborne, Nike, Polo Ralph Lauren, Timberland, Tommy Hilfiger, and more.

CANOE ADVENTURE

Saturday, September 23

About 45 minutes from the Twin Cities, an area called Taylor’s Falls will be the departing point within Minnesota’s Interstate State Park on the Saint Croix River (which flows between Minnesota and Wisconsin).

Taylor’s Falls has an abundance of unique rock formations that were left behind as a glacier retreated thousands of years ago. Among the most outstanding formations is the huge stone cross, for which the Saint Croix (meaning “Sacred Cross”) River was named by an early French explorer. The world’s largest glacial kettles or “potholes” along with the Devil’s Chair, Lion’s Head, and Turk’s Head are just a few of the sites that will be visible from the canoes. Various forms of wildlife can be seen from all canoes. Nonalcoholic beverages will be provided while canoeing and a box lunch provided for the trip to the river.

Please dress appropriately for fall-season canoeing.
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<td>Blackmer, Johnson</td>
</tr>
<tr>
<td>2B*</td>
<td>Ration Building &amp; Balancing Lab—Part 2</td>
<td>19</td>
<td>Hutjens</td>
</tr>
<tr>
<td>3</td>
<td>Management of the Periparturient Dairy Cow &amp; Newborn Calf</td>
<td>20</td>
<td>Risco</td>
</tr>
<tr>
<td>4</td>
<td>Disease Risk Management: Train the Trainer</td>
<td>20</td>
<td>Bickett-Weddle</td>
</tr>
<tr>
<td>5</td>
<td>Integrating Information into Dairy Management</td>
<td>18-20</td>
<td>Fetrox</td>
</tr>
<tr>
<td>6</td>
<td>Reproduction for Success &amp; Profit on Dairies</td>
<td>18-19</td>
<td>Rodriguez</td>
</tr>
<tr>
<td>7</td>
<td>Utilization of Estrus Synchronization &amp; Artificial Insemination of Beef Cattle in the Veterinary Practice</td>
<td>20</td>
<td>Nosky</td>
</tr>
<tr>
<td>8</td>
<td>Advanced Dairy Nutrition: New Diagnostics for Feed Carbohydrates</td>
<td>19</td>
<td>Van Saun</td>
</tr>
<tr>
<td>9A</td>
<td>Laparoscopic Repositioning of LDA/RDA in Cattle</td>
<td>18</td>
<td>Desrochers</td>
</tr>
<tr>
<td>9B</td>
<td>Teat Endoscopy for Field Practice</td>
<td>19</td>
<td>Desrochers</td>
</tr>
<tr>
<td>10</td>
<td>The Replacement Heifer from Birth to Weaning</td>
<td>19-20</td>
<td>Corbett</td>
</tr>
<tr>
<td>11A*</td>
<td>Applied Epidemiology in Bovine Practice—Level 1</td>
<td>19</td>
<td>Booker</td>
</tr>
<tr>
<td>11B*</td>
<td>Applied Epidemiology in Bovine Practice—Level 2</td>
<td>20</td>
<td>Booker</td>
</tr>
<tr>
<td>12</td>
<td>The ABCs of SPC Use on Dairies to Improve Herd Performance</td>
<td>18</td>
<td>Reneau</td>
</tr>
<tr>
<td>13</td>
<td>Introduction to Embryo Transfer Techniques &amp; Embryo Freezing</td>
<td>19</td>
<td>Robertson</td>
</tr>
<tr>
<td>14</td>
<td>Getting the Most Out of Embryo Transfer</td>
<td>20</td>
<td>Robertson</td>
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<tr>
<td>15</td>
<td>Current Topics in Transition Cow Nutrition, Management, &amp; Physiology</td>
<td>20</td>
<td>Jardon</td>
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<tr>
<td>16</td>
<td>Basic Reproductive Ultrasound in Practice</td>
<td>18-19</td>
<td>DeMuth</td>
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<td>17</td>
<td>Advanced Ultrasound</td>
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<td>Colloton</td>
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<tr>
<td>18</td>
<td>Achieving Financial &amp; Personal Success in Food Animal/Mixed Animal Practice</td>
<td>20</td>
<td>Horn, Kearley</td>
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<tr>
<td>19</td>
<td>Breeding Soundness Evaluation: Everything You Wanted to Know But Were Afraid to Ask</td>
<td>20</td>
<td>Warner</td>
</tr>
<tr>
<td>20</td>
<td>Marriage Enrichment for Bovine Practitioners</td>
<td>20</td>
<td>Gardner</td>
</tr>
<tr>
<td>21</td>
<td>Prevention, Treatment, &amp; Diagnosis of Ketosis</td>
<td>19</td>
<td>Duffield</td>
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<tr>
<td>22</td>
<td>Student Seminar</td>
<td>21</td>
<td>Osterstock</td>
</tr>
</tbody>
</table>

*One comprehensive fee for related seminars or sign up separately.

Be sure to register early for these very popular limited-enrollment seminars as many of them fill fast. Seminars with insufficient registrants will be canceled by August 18, 2006, so that alternate travel plans can be made, if necessary. All fees are in US dollars and must be drawn on a US bank in US funds.
1A, 1B, 1C  Quality Milk Production

Objective: Course 1A—gives the dairy practitioner an in-depth understanding of milking routines, milker schools, hygiene products, teat dips and delivery systems, and cow comfort for large and small dairies. Course 1B—addresses milking equipment issues on dairy farms, system cleaning, parlor performance and automatic take-off information, backflushing versus cluster dunking, robotics, teat scoring, and the latest in record systems. Course 1C—is designed to give the dairy practitioner an in-depth understanding of mastitis microbiology, different therapy options, and vaccination programs. These are practical courses, not reviews of the literature. This dynamic series of seminars gives practitioners a current approach to practical milk quality.*

* Although each seminar (1A, 1B, 1C) stands alone, the faculty encourages attendance at all three to ensure optimum continuity and the most comprehensive educational experience.

Fee: $265.00/Limit: 30
Level: Intermediate/Advanced
Computers: No
When: Sun., Sept. 17 • 8:00am-5:00pm, 7:00-9:00pm
Mon., Sept. 18 • 8:00am-5:00pm, 7:00-9:00pm
Tues., Sept. 19 • 8:00am-5:30pm
Coordinators: Paul Blackmer, Andrew Johnson
Faculty: Paul Blackmer, Tom Hamling, Andrew Johnson, Ynte Schukken, K. Larry Smith, Mark Wustenberg

This multipart Quality Milk Production series is the road map to understanding quality milk services for your clients. Three independent seminars are offered. The faculty encourages veterinarians to sign up for all three; however, the option exists to pick and choose the seminar(s) of choice. Each registrant will receive a three-ring binder that contains the materials presented. Participants will attend an evening session for discussion, review, and supplementation of the day’s subject matter. Note that these are practical courses, not literature reviews.

1A  Quality Milk Production: Milking Performance, Milking Hygiene Systems, & Cow Comfort on Dairies

Objective: To give the dairy practitioner an in-depth understanding of milking routines, milker schools, hygiene products, teat dips and delivery systems, and cow comfort for large and small dairies

Fee: $265.00/Limit: 30
Level: Intermediate/Advanced
Computers: No
When: Sun., Sept. 17 • 8:00am-5:00pm, 7:00-9:00pm
Coordinators: Paul Blackmer, Andrew Johnson
Faculty: Paul Blackmer, Tom Hamling, Andrew Johnson, Ynte Schukken

Seminar 1A* deals with the “people” issues on dairy farms, teat sanitation delivery systems, and cow comfort. It is a practical seminar, providing the practitioner with tools needed to assist dairy farmers in quality milk production, and is designed for veterinarians who have some experience and knowledge of the area. Each registrant will receive a three-ring binder that contains the materials presented. Participants will attend an evening session for discussion, review, and supplementation of the day’s subject matter.

*Although each seminar (1A, 1B, 1C) stands alone, the faculty encourages attendance at all three to ensure optimum continuity and the most comprehensive educational experience.

1B  Quality Milk Production—Milking Equipment: System Analysis, Cleaning, Automation, Robotics, & Record Systems

Objective: To address milking equipment issues on dairy farms, system cleaning, parlor performance, and automatic take-off information, backflushing versus cluster dunking, robotics, teat scoring, and the latest in record systems.

Fee: $265.00/Limit: 30
Level: Intermediate/Advanced
Computers: No
Seminar 1B* considers the milking equipment issues on dairy farms, system cleaning, parlor performance and automatic take-off information, backflushing versus cluster dunking, robotics, teat scoring, and the latest in record systems. This seminar is designed for veterinarians who have some experience and knowledge of quality milk production. Registrants will receive a three-ring binder that contains the materials presented. Participants will attend an evening session for discussion, review, and supplementation of the day’s subject matter.

*Although each seminar (1A, 1B, 1C) stands alone, the faculty encourages attendance at all three to ensure optimum continuity and the most comprehensive educational experience.

1C Quality Milk Production: Mastitis Microbiology, Therapy, & Vaccination

Objective: To give the dairy practitioner an in-depth understanding of mastitis microbiology, different therapy options, and vaccination programs.

Fee: $265.00/Limit: 30
Level: Intermediate/Advanced
Computers: No
When: Tues., Sept. 19 • 8:00am-5:30pm
Coordinators: Paul Blackmer, Andrew Johnson
Faculty: Paul Blackmer, Andrew Johnson, K. Larry Smith

Seminar 1C* focuses on mastitis microbiology issues ranging from “in-house” culturing to “send-out” culturing. Major contagious and environmental pathogens as well as unusual types of bacteria will be discussed. New ideas in therapy and management of problem herds will be presented. Discussion of heifer mastitis and different vaccine options will add special value.

*Although each seminar (1A, 1B, 1C) stands alone, the faculty encourages attendance at all three to ensure optimum continuity and the most comprehensive educational experience.

2A Applied Dairy Nutrition—Part 1

Objective: NEW SEMINAR FORMAT!
To prepare the practicing veterinarian to understand basic dairy feeding principles and current recommendations, which will allow her/him to assist dairy farm managers in correcting nutrient problems and interpreting data and feed testing results; also to develop knowledge required to consult regarding dairy feeding problems using case studies, lectures, and laboratories.

Fee: $400.00/Limit: 30
Level: Intermediate
Computers: No
When: Mon., Sept. 18 • 8:00am-5:00pm
Coordinators: Mike Hutjens
Faculty: Larry Chase, Mike Hutjens, Gary Oetzel

NEW TWO-PART SEMINAR FORMAT:
2A/Part 1 (days 1 and 2) is for veterinarians who want to acquire the skills needed to offer nutritional services. This is a fast-moving, comprehensive 2-day course. A series of fact-filled, cutting-edge sessions blends basic principles with current recommendations. Topics include rumen function, nutrient updates (protein, CHO, additives, etc), transition cow strategies, feed bunk management, on-farm measurements, data collection, and milk yield and component analysis.

2B/Part 2 (day 3) is a laboratory exercise, including ration building and balancing principles.
Part 1 covers the lecture phase of dairy feeding and management (the former seminar). Enrollees can take both Parts 1 and Part 2 together (for a reduced cumulative fee of $600.00) or enroll in either part independently.

2B Applied Dairy Nutrition—Part 2: Ration Building & Balancing Lab

Objective: NEW SEMINAR FORMAT!
To prepare the practicing veterinarian to understand ration building and balancing principles that will allow her/him to assist dairy farm managers in correctly balancing rations, interpreting computer ration output, and developing computer skills to run two computer programs.

Fee: $300.00/Limit: 30
Level: Intermediate
Computers: Yes (laptop required)
When: Tues., Sept. 19 • 8:00am-5:00pm
Coordinators: Mike Hutjens
Faculty: David Byers, Larry Chase, Mike Hutjens, Garrett Oetzel

NEW TWO-PART SEMINAR FORMAT:
2B/Part 2 (day 3) prepares the practicing veterinarian to understand ration building and balancing principles that will allow her/him to assist dairy farm managers in correctly balancing rations, interpreting computer ration output, and developing computer skills to run several dairy ration computer programs. Participants MUST bring a laptop computer.

2A/Part 1 (days 1 and 2) covers the lecture phase of dairy feeding and management (the former seminar). Enrollees can take both Parts 1 and Part 2 together (for a reduced cumulative fee of $600.00) or enroll in either part independently.

3 Management of the Periparturient Dairy Cow & Newborn Calf

Objective: Taught by four highly experienced clinicians, this seminar will review (1) the design of a herd health protocol that emphasizes first-aid calving assistance to move producers away from using improper techniques for delivering calves; (2) procedures for diagnosis and treatment of dystocia (cesarean section, fetotomy), uterine torsion, and uterine prolapse; (3) procedures for monitoring management of the prepartum transition cow, (4) strategies for monitoring postpartum health; and (5) strate-
AABP expresses appreciation to Merial for its generous sponsorship of the “Just Desserts” Reception on Thursday.

This seminar will enable veterinarians to upgrade their knowledge and educate their clients in the principles of treatment and management of calving-related disorders. A directed approach to intervention in cases of dystocia will be presented. Postpartum reproductive management strategies will be discussed, including use of hormones and calcium and energy supplements as well as postpartum health monitoring procedures. Management strategies for neonatal calf care at the herd level will also be presented.

4 Disease Risk Management: Train the Trainer

Objective: To provide bovine practitioners with a set of training materials that can be used to educate cattle producers about disease risk management. Become part of a national network that trains cattle producers using new ways to lower the risk of on-farm disease entry and spread. Although the risk of disease cannot be completely removed, it is manageable both practically and cost-effectively. Come find out how in this innovative seminar.

5 Integrating Information into Dairy Management

Objective: To enhance the skills of practitioners interested in dairy production medicine.

6 Reproduction for Success & Profit on Dairies

Objective: (1) Review of reproductive physiology relative to postpartum uterine recovery, early embryonic death, and normal physiologic control of estrus; (2) review of tools (hormone protocols, pregnancy diagnosis, and emerging technologies); (3) monitoring of reproductive efficiency and compliance with programs; (4) economic value of programs and improved reproductive efficiency. Participants should leave with the ability to determine the appropriate use of reproductive tools as well as to assess the effectiveness and economic impact of changes in reproductive efficiency.

AABP recognizes Pfizer Animal Health for generously sponsoring the Science Museum Dinner & Event on Friday.
8 Advanced Dairy Nutrition: New Diagnostics for Feed Carbohydrates

Objective: To provide participants with a background in understanding common and newer analytical and diagnostic procedures for evaluating feed carbohydrates, primarily starch and NDF. This seminar will provide the practitioner with the needed knowledge and diagnostic skills to be able to evaluate the potential role of forage quality in production and health responses more thoroughly.

Fee: $190.00/Limit: 30
Level: Advanced
Computers: No
When: Tues., Sept. 19 • 8:00am-5:00pm
Coordinator: Robert Van Saun
Faculty: Mike Allen, Randy Shaver, Robert Van Saun

Carbohydrates in some form account for up to 80% of total feed components. Tremendous diversity exists in structure and digestive capacity for feed carbohydrates, thus having a multiplicity of effects on cow performance and health. This seminar will provide participants with the latest research information on carbohydrate analysis and practical assessment of dietary carbohydrate formulation. New information on the use and application of NDF and starch digestibility to predict animal performance will be discussed and modeled. Maturity, processing, particle size, and hybrid effects on corn silage feeding will be emphasized. Application of NDF digestibility to modification of rates of digestion in the CPM program will be highlighted.

9A Laparoscopic Repositioning of LDA/RDA in Cattle

Objective: To update the bovine practitioner with regard to current surgical LDA/RDA techniques and their limitations and disadvantages compared to the newly developed endoscopic field procedures, which have very short recovery times. In the wet lab, participants will see techniques performed with the endoscopic instruments and equipment to find the displaced abomasum endoscopically, learn repositioning via natural techniques, and see the method of fixation under total visual control. Participation in this seminar and wet lab will give practitioners the knowledge and skills required to perform these latest minimally invasive techniques. Practitioners will then be able to incorporate the endoscopic procedures into their own field practices.

Fee: $325.00/Limit: 35
Level: Intermediate
Computers: No
When: Mon., Sept. 18 • 9:00am-5:00pm
Coordinator: Andre Desrochers
Faculty: Andre Desrochers, Frank During, Stephen Foulke, Jean-Philippe Roy

LDA is one of the most common diseases in dairy cattle. Due to the large food intake and the high milk production, the danger of a chronic or acute digestion disorder is very high. The displaced abomasum repair and recovery, along with the lack of milk production, can result in a large economic loss.

The different surgical techniques of LDA/RDA repair and their limitations and disadvantages will be clearly shown and compared with the newly developed endoscopic procedures. These minimally invasive LDA and RDA techniques, which were developed in Europe, are changing the surgical attitudes toward conventional techniques.

The purpose of the laboratory will be to show the participant that this technique is not research or university technology but a well-proven field practice technique with never seen before advantages. Participants will observe the procedures performed on live cows with the two-step method of Janowitz and also the one-step, standing method of Christiansen. The minimally invasive techniques result in very short recovery times and immediate increase in food intake as well as milk production.

There will be a discussion about the necessity of anesthesia and aftercare. Information about costs and economics will be
provided. The participant will realize the possibility of gaining a new kind of reputation in the eyes of the farmer and the best method of animal health protection.

9B **Bovine Teat Endoscopy for Field Practice**

**Objective:** To update and educate the bovine practitioner about conservative and surgical techniques in covert teat injuries. Limitations and disadvantages of the current techniques will be shown. The seminar will address the economic issues of teat injuries for the farmer as well as for the practitioner. Participants will see the latest research techniques in natural healing procedures, will learn to use instruments and equipment to get the best visual diagnosis, and will realize the importance of endoscopic diagnosis and treatment in combination with aftercare.

**Fee:** $250.00/Limit: 35  
**Level:** Basic  
**Computers:** No  
**When:** Tues., Sept. 19 • 9:00am-5:00pm  
**Coordinator:** Andre Desrochers  
**Faculty:** Andre Desrochers, Rupert Ebner, Sylvain Nichols

Distal teat injuries and milk outflow problems are frustrating conditions for veterinarians and owners to treat in the field. Because of the poor success rate of current treatments, affected animals are frequently culled. This seminar will review the various types of teat injuries and introduce a new treatment approach with the use of minimally invasive surgical techniques. First, faculty will review the basic principles of the conservative approach with the use of a nonreactive teat insert for acute teat injuries. A decision-making tree will then be explained based on teat examination or the result of the conservative approach. Indications, contraindications, and so-called lost cases will help to provide all of the choices available for informative decision making with the farmer.

This seminar will introduce a new method of intravenous anesthesia of the teat, basic economic equipment for field practice, natural teat inserts, teat bandaging techniques, and postoperative management. All participants will have the opportunity to use the endoscopic equipment on teats from cadaver specimens and on live animals. Various teat knives will be tested and compared by participants under endoscopic visualization. Teat endoscopy provides a clearer understanding of the different types of injuries and helps to find a suitable treatment with better results than previous approaches. By the end of the seminar, practitioners should be able to understand the applications and limits of teat endoscopy. Moreover, they will be able to perform teat endoscopy in their own field practices and manage distal teat injuries more successfully.

10 **The Replacement Heifer from Birth to Weaning**

**Objective:** Part 1 (Tuesday)—Birth to Weaning  
To cover colostrum management and its effect on biosecurity as well as maintaining quality during pasteurization; immunology of the neonatal calf and vaccination programs for replacement heifers from birth to weaning; nutrition of the replacement heifer from birth to weaning, including accelerated growth and implementation of accelerated growth programs for heifer calves on the farm; management practices for the prevention, control, and treatment of neonatal disease; and controlling *Mycoplasma* species outbreaks in calf-rearing facilities.

**Part 2 (Wednesday)—Weaning to Precalving**  
To cover management of the weaned dairy heifer, including nutrition, vaccination protocols, disease prevention, control and treatment, biosecurity, and the economics of raising dairy heifers. New information on accelerated growth programs will be covered.

**Fee:** $450.00/Limit: 30  
**Level:** Basic  
**Computers:** No  
**When:** Tues., Sept. 19 • 8:00am-5:00pm  
**Wed., Sept. 20 • 8:00 am-5:00pm**  
**Coordinator:** Bob Corbett  
**Faculty:** Bob Corbett, Vic Cortese, Art Donovan, Sandra Godden, Michael Lormore, Sheila McGuirk, Mike Van Amburgh

The management and nutrition of the dairy replacement heifer must be optimized to have the heifer reach the ideal size and body condition for calving at the earliest possible date without interfering with the calving process, milk production, or productive life of the animal. Information on maintaining the quality of colostrum during the pasteurization process and its contribution to farm biosecurity will be covered. The pasteurization of waste milk and its nutritional contribution to maximizing heifer growth will be discussed, as well as its role in biosecurity.

It is important to understand neonatal immunology and how to develop a vaccination protocol that is effective during the development and maturation of the newborn calf as well as protecting the heifer from disease during and after pregnancy. Recent developments in the field of nutrition have directed formulation of rations that enable the heifer to reach its maximum growth potential without interfering with productivity. Latest research supporting accelerated growth as well as implementation of these programs from birth to calving will be discussed along with actual herd results. The seminar will also address the economics of raising dairy heifers and the impact on profitability of the dairy operation.

11A **Applied Epidemiology in Bovine Practice—Level 1**

**Objective:** To provide knowledge of several key areas of applied epidemiology, enabling a practitioner to use data and data management to make animal health and production related decisions.

**Fee:** $275.00/Limit: 30  
(Combined fee for Seminars 11A and 11B: $500.00)  
**Level:** Basic  
**Computers:** No  
**When:** Tues., Sept. 19 • 8:00am-5:00pm  
**Coordinator:** Calvin Booker  
**Faculty:** Calvin Booker, Paul Morley, Daryl Nydam

This 1-day seminar will focus on several key areas of applied epidemiology in bovine practice. The emphasis will be on the use of data and data management for making animal health and production related decisions in animal agriculture. Topics covered will include epidemiologic principles, data collection, decision making, disease investigation, monitoring and surveillance, measuring and comparing outcomes, and economic modeling. The approach for each key area will be to introduce/review important principles, present an interactive case example, work through exercises in break-
## Program at a Glance

### Preconference Seminars
Sunday, September 17, through Wednesday, September 20 (separate fees)

#### Thursday, September 21

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:00am</td>
<td>Registration 7:00am–5:00pm</td>
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<tr>
<td>6:30</td>
<td>Committee Chairpersons Breakfast See p. 7</td>
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<tr>
<td>7:00</td>
<td>Clinical Forums Session 1 See p. 25</td>
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<tr>
<td>7:30</td>
<td>AABP-AASRP Joint Sessions Small Ruminants 1 See p. 25</td>
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<tr>
<td>8:00</td>
<td>Veterinary Technician Program See p. 29</td>
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<tr>
<td>8:30</td>
<td>Student Laminess Wet Lab Limit: 25 Students See p. 23</td>
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<tr>
<td>9:00</td>
<td>Break</td>
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<tr>
<td>10:00</td>
<td>General Session 1 Industry Concerns See p. 25</td>
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<tr>
<td>11:00</td>
<td>AABP Committee Meetings See p. 7</td>
</tr>
<tr>
<td>11:30</td>
<td>Lunch in the Exhibit Hall</td>
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<td>12:00</td>
<td>Lunch in the Exhibit Hall</td>
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<td>12:30</td>
<td>Break</td>
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<tr>
<td>1:00</td>
<td>General Session 2 Profitable In-house Diagnostics See p. 25</td>
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<tr>
<td>1:30</td>
<td>Research Summaries 1 See p. 27</td>
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<tr>
<td>2:00</td>
<td>Veterinary Technician Program See p. 29</td>
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<tr>
<td>2:30</td>
<td>Student Case Presentation Competition See p. 28</td>
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<tr>
<td>3:00</td>
<td>Break</td>
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<tr>
<td>3:30</td>
<td>General Session 2 Profitable In-house Diagnostics See p. 25</td>
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<tr>
<td>4:00</td>
<td>Research Summaries 1 See p. 27</td>
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<tr>
<td>4:30</td>
<td>Veterinary Technician Program See p. 29</td>
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<tr>
<td>5:00</td>
<td>Student Case Presentation Competition See p. 28</td>
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<tr>
<td>5:30</td>
<td>&quot;Come Join Us for Dinner&quot; Reception 5:15–6:45pm Exhibit Area See p. 9</td>
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<tr>
<td>6:00</td>
<td>Opening Ceremony ... Then Practice Tips See p. 8</td>
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<tr>
<td>6:30</td>
<td>Student Reception See p. 7</td>
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#### Friday, September 22

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<thead>
<tr>
<th>Time</th>
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<tr>
<td>6:00am</td>
<td>AABP Diplomate Breakfast See p. 7</td>
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<tr>
<td>6:30</td>
<td>Faculty Reps, FA Educators, Ext. Vets Breakfast (6:00-9:00am) See p. 7</td>
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<tr>
<td>7:00</td>
<td>Research Summaries 2 See p. 30</td>
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<tr>
<td>7:30</td>
<td>Research Summaries 3 See p. 32</td>
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<tr>
<td>8:00</td>
<td>DAIRY SESSION 1 Welfare of Fresh &amp; Lame Cows See p. 31</td>
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<tr>
<td>8:30</td>
<td>Research Summaries 3 See p. 32</td>
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<tr>
<td>9:00</td>
<td>AABP-AASRP Joint Sessions Small Ruminants 2 See p. 31</td>
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<tr>
<td>9:30</td>
<td>Research Summaries 2 See p. 30</td>
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<tr>
<td>10:00</td>
<td>Break</td>
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<tr>
<td>11:00</td>
<td>AABP-AASRP Joint Sessions Small Ruminants 2 See p. 31</td>
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<tr>
<td>11:30</td>
<td>Poster Session presenters will be available from 12:00-1:00pm Friday near their posters.</td>
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<tr>
<td>12:00</td>
<td>Lunch</td>
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<td>12:30</td>
<td>Break</td>
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<tr>
<td>1:00</td>
<td>General Session 1 Welfare of Fresh &amp; Lame Cows See p. 31</td>
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<tr>
<td>1:30</td>
<td>Research Summaries 3 See p. 32</td>
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<tr>
<td>2:00</td>
<td>DAIRY SESSION 1 Welfare of Fresh &amp; Lame Cows See p. 31</td>
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<tr>
<td>2:30</td>
<td>Research Summaries 3 See p. 32</td>
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<tr>
<td>3:00</td>
<td>Break</td>
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<tr>
<td>3:30</td>
<td>DAIRY SESSION 1 Welfare of Fresh &amp; Lame Cows See p. 31</td>
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<tr>
<td>4:00</td>
<td>Research Summaries 3 See p. 32</td>
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<tr>
<td>4:30</td>
<td>Research Summaries 3 See p. 32</td>
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<tr>
<td>5:00</td>
<td>Break</td>
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<tr>
<td>5:30</td>
<td>Dinner and Discoveries at the Science Museum of Minnesota (across the street from Saint Paul RiverCentre) See p. 9</td>
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<tr>
<td>6:00</td>
<td>Dinner and Discoveries at the Science Museum of Minnesota (across the street from Saint Paul RiverCentre) See p. 9</td>
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</table>

#### Wednesday, September 20

Golf Tournament tees off at 9:00am ( preregistration; fee; see pages 8 & C5). Welcoming Reception from 6:00-8:00pm (p. 9).
### AT A GLANCE

**SATURDAY, SEPTEMBER 23**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Details</th>
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<td>6:00am</td>
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<td>6:30</td>
<td><strong>CHRISTIAN VETERINARY MISSION</strong>&lt;br&gt;BREAKFAST (fee)&lt;br&gt;See p. 7</td>
</tr>
<tr>
<td>7:00</td>
<td><strong>RESEARCH SUMMARIES 4</strong>&lt;br&gt; Johne’s Disease&lt;br&gt;See p. 33</td>
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<td>8:00</td>
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<td>8:30</td>
<td><strong>BEER SESSION 2</strong>&lt;br&gt;Disease Control for Cow-Calf Herds&lt;br&gt;See p. 32</td>
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<td>9:00</td>
<td><strong>STUDENT SESSIONS</strong>&lt;br&gt;From Education to Practice&lt;br&gt;See p. 33</td>
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<td><strong>BEER SESSION 2</strong>&lt;br&gt;Disease Control for Cow-Calf Herds&lt;br&gt;See p. 32</td>
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<td>11:00</td>
<td><strong>STUDENT SESSIONS</strong>&lt;br&gt;From Education to Practice&lt;br&gt;See p. 33</td>
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<td>12:00</td>
<td><strong>AABP ANNUAL BUSINESS MEETING</strong>&lt;br&gt;MEMBERSHIP &amp; AWARDS LUNCHEON</td>
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<td>12:30</td>
<td>OPEN TO ALL&lt;br&gt;No charge: included in conference fee&lt;br&gt;PREREGISTRATION REQUIRED&lt;br&gt;See p. 6</td>
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<tr>
<td>1:00</td>
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<td>2:00</td>
<td><strong>GENERAL SESSION 4</strong>&lt;br&gt;Analgesia &amp; Practice Management&lt;br&gt;See p. 33</td>
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<tr>
<td>2:30</td>
<td><strong>DAIRY SESSION 2</strong>&lt;br&gt;Reproduction on Today’s Dairies&lt;br&gt;See p. 33</td>
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<td><strong>GENERAL SESSION 4</strong>&lt;br&gt;Analgesia &amp; Practice Management&lt;br&gt;See p. 33</td>
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<td>4:30</td>
<td><strong>DAIRY SESSION 2</strong>&lt;br&gt;Reproduction on Today’s Dairies&lt;br&gt;See p. 33</td>
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<td><strong>ROLLIN’ ON THE RIVER—</strong>&lt;br&gt;A MISSISSIPPI RIVERBOAT DINNER CRUISE</td>
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<tr>
<td>7:30</td>
<td>Free: Preregistration Required</td>
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<td>8:00</td>
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<td>8:30</td>
<td>(ticket holders meet at 6:00pm at Crowne Plaza Hotel; return bus to all five conference hotels)</td>
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<td>9:00</td>
<td>See p. 9</td>
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**Register at the Exhibitor Hall**

**Breakfast (fee)**

**Lunch at the Exhibitor Hall**

**INTERNET CAFE**

**IN THE EXHIBITOR HALL**

**Poster Session presenters will be available from 12:00-1:00pm Friday near their posters.**

**Dessert Reception from 8:00-9:00pm (p. 9).**

**GENERAL SESSION 3**

Animal Welfare & Animal ID<br>See p. 30

**BEEF SESSION 1**

Reproductive Issues<br>See p. 31

**FEEDLOT SESSION**

Practical Feedlot Lameness<br>See p. 31

**CLINICAL FORUMS 2**

See p. 30

**RESEARCH SUMMARIES 4**

Johne’s Disease<br>See p. 33

**GENERAL SESSION 4**

Analgesia & Practice Management<br>See p. 33

**DAIRY SESSION 2**

Reproduction on Today’s Dairies<br>See p. 33

**CLINICAL FORUMS 2**

See p. 30
out groups of four to five people, and discuss overall implications and considerations in practice-specific scenarios.

There will be three instructors present for the duration of the day to participate in presentations and discussions. The clinical case material used will include beef cow-calf, stocker/backgrounder, feedlot, and dairy applications. Attendance at this seminar is encouraged for individuals who are planning to attend 11B/Level 2 but is not considered a prerequisite. Attendees with a good background in applied epidemiology are welcome to enroll directly in Level 2. If you have questions in this regard, please contact the instructors (contact information appears at the end of this booklet).

11B  Applied Epidemiology in Bovine Practice—Level 2

Objective: To provide knowledge of several key areas of applied epidemiology that will enable a practitioner to use data and data management to make animal health and production related decisions and recommendations. To further develop the concepts presented in 11A/Level 1 by exploring in greater detail the specifics of data analyses and economic modeling and to introduce practitioners to basic software available to perform animal health and production related statistical and decision analyses.

Fee: $275.00/ Limit: 30
(Combined fee for Seminars 11A and 11B: $500.00)
Level: Intermediate
Computers: Yes
When: Wed., Sept. 20 • 8:00am-5:00pm
Coordinators: Calvin Booker
Faculty: Calvin Booker, Guy Loneragan, Paul Morley, Daryl Nydam

Emphasis of this seminar will be to further the knowledge base already established in 11A/Level 1 regarding the use of data and data management for making animal health and production related decisions in animal agriculture. A review of Level 1 topics will include epidemiologic principles, data collection, decision making, disease investigation, monitoring and surveillance, measuring and comparing outcomes, interpreting results, and economic modeling. These topics will then be reintroduced using the application of software on computers. Participants are asked to provide their own laptops with Microsoft Excel software for this seminar.

The approach for each key area will be to introduce/review important principles, present an interactive case example, work through exercises in break-out groups of four to five people, and discuss overall implications and considerations in practice-specific scenarios. There will be four instructors present for the duration of the day to participate in presentations and discussions. Clinical case material will include beef cow-calf, stocker/backgrounder, feedlot, and dairy applications. The Level 1 course is encouraged as a prerequisite to taking Level 2, but individuals with a good background in applied epidemiology are welcome to attend. If you have questions in this regard, please contact the instructors (contact information appears at the end of this booklet).

12  The ABCs of SPC Use on Dairies to Improve Herd Performance

Objective: To teach veterinarians the practical application of statistical process control (SPC) techniques in dairy production medicine programs to improve herd performance.

Fee: $200.00/Limit: 30
Level: Basic/Intermediate
Computers: Not required but encouraged
When: Mon., Sept. 18 • 8:00am-5:00pm
Coordinator: Jeff Reneau
Faculty: Mark Kinsel, Joanna Lukas, Jeff Reneau

This basic to intermediate level course will cover the principles and practical application of statistical process control (SPC) techniques for dairy herd monitoring. SPC monitoring on dairies is a new approach to herd monitoring that provides more timely and accurate feedback for herd management decision making. No previous SPC knowledge or training is required. Participants will learn how to apply a broad range of SPC monitoring applications designed to improve dairy herd performance. Each participant will practice SPC techniques using Excel to do hands-on problem-solving exercises. Other commercial software will be demonstrated. A CD of course materials will be provided to each participant.
13 Introduction to Embryo Transfer Techniques & Embryo Freezing

Objective: To provide a complete course of information on nonsurgical embryo collection, transfer, and embryo freezing for veterinarians who desire to begin providing embryo transfer services or who have already begun and are looking for a refresher course.

Fee: $275.00/Limit: 40
Computers: No
Level: Basic/Intermediate
When: Tues., Sept. 19 • 7:00am-9:00pm
Location: University of Minnesota Veterinary School • Departs from AABP Registration Desk—7:00am
Coordinator: Edwin Robertson
Faculty: Reuben Mapleton, Edwin Robertson, Robert Rowe, Bill Thatcher

AABP’s second longest running pre-conference seminar! The faculty represents both the academic as well as the practical side of this topic. Nonsurgical embryo transfer techniques will be discussed in their entirety, including embryo collections, embryo transfer, grading of embryos, embryo washing, donor and recipient management, and scheduling. How the newest methods of donor scheduling and technologies of follicular wave, ovulation, and corpus luteum control affect embryo donors and recipients will be discussed. Handout materials will be given for all procedures. The addition of Dr. Bill Thatcher (University of Florida) to the faculty will bring his cutting-edge expertise on superovulation to this year’s seminar.

The final segment of the class will focus on embryo freezing. Techniques will be presented describing “quick thaw” (ethylene glycol) as well as conventional (glycerol) freezing. Equipment, solutions, and materials will be presented in a practical format. Sufficient time will be allowed for questions and answers about all of the topics. If you are looking for firsthand information about direct transfer of embryos, then this is your seminar.

In the evening, embryos will be collected from live donors that have been superovulated locally in Minnesota. You will observe actual techniques in all aspects of ET, as demonstrated by staff. Meet at 7:00am at the Registration Desk for transportation.

Note: Seminar 14 “Advanced Embryo Transfer Techniques” is an excellent follow-up.

14 Getting the Most Out of Embryo Transfer

Objective: Through short topic presentations and roundtable discussions, cutting edge information will be given to enable ET practitioners to achieve higher pregnancy rates with fresh and frozen embryos.

Fee: $390.00/Limit: 40
Level: Intermediate/Advanced
Computers: No
When: Wed., Sept. 20 • 8:00am-5:30pm
Coordinator: Edwin Robertson
Faculty: Osamu Dochi, Cliff Lamb, Reuben Mapleton, Susan McClanahan, Edwin Robertson, Robert Rowe, Bill Thatcher

This seminar will provide you with current information on approaches to increasing and maintaining the highest possible pregnancy rates in your embryo transfer practice. Through a series of discussion topics during the day as well as practitioner roundtable discussions, faculty will explore several different topics, some of which are: (1) fine-tuning your freezing protocol to optimize success; (2) update on techniques to increase survivability on those hard-to-freeze Jersey, Bos indicus, sexed, and IVF embryos; (3) embryo production with sexed semen; (4) improving the number of transferable embryos through understanding the effects of semen quality, sire, and season on fertilization rates; (5) improving embryo quality through the use of BST in dairy and beef cattle; (6) improved pregnancy rates and conceptus development in recipients with BST or other endocrine treatments; (7) vaccination protocols for both dairy and beef recipient herds to maximize fertility and reduce embryo loss; (8) biosecurity issues affecting embryo transfer programs; and (9) nutritional effects on superovulation and pregnancy rates.

Bring your questions and any data you have from your experience as an embryo transfer practitioner. This day is designed to provide all participants with useful take-home information that will put dollars in your jeans.

15 Current Topics in Transition Cow Nutrition, Management, & Physiology

Objective: To discuss the latest information about transition cows.

Fee: $225.00/Limit: 24
Level: Advanced
Computers: No
When: Wed., Sept. 20 • 8:00am-5:00pm
Coordinator: Phillip W. Jardon
Faculty: James K. Drackley, Phillip W. Jardon, John F. Smith, Marina von Keyserlingk

Topics to be covered include, protein, energy, and fiber nutrition (Drackley); transition cow behavior (von Keyserlingk); and special needs housing considerations (Smith). Scientific knowledge in these areas is growing rapidly. Seminar participants will be encouraged to interact (ask questions, argue controversial points, contribute experiences, and seek help on troubling herds back home).

16 Basic Reproductive Ultrasound in Practice

Objective: To cover principles of ultrasoundography, available equipment, and interpretation. Case discussions, demonstrations, and a hands-on laboratory are included.

Fee: $375.00/Limit: 20
Level: Basic
Computers: No
When: Mon., Sept. 18 • 3:00pm-7:00pm
Tues., Sept. 19 • 6:00am-2:00pm
Coordinators: Craig DeMuth
Faculty: Gregg Adams, Jill Colloton, Craig DeMuth, Paul Fricke, Giovanni Gnemmi, Brad Stroud

This course will cover the use of ultrasound for bovine reproductive examinations. Faculty will focus on practical and profitable ways to use ultrasound in the “real world” of beef and dairy practice. Lectures will include: ultrasound advantages over palpation, how ultrasound works, how to choose an ultrasound unit, scanning techniques, tips for using ultrasound in the field, and current research topics in bovine reproduction as they relate to ultrasound. The speakers represent beef practice and dairy practice and use practical...
2006 Preconference Seminars

Achieving Financial & Personal Success in Food Animal/Mixed Animal Practice

Objective: To provide veterinarians with practical tools, information, and examples that will help them operate their practices as thriving, profitable, and rewarding businesses and provide the financial and personal success they desire.

Fee: $225.00/Limit: 20
Level: Basic
Computers: No
When: Wed., Sept. 20 8:00am-5:00pm
Coordinators: Dave Horn, Bill Kearley
Faculty: Dave Horn, Bill Kearley

A primary goal of any veterinary practice is to operate as a financially rewarding small business. At the same time, each veterinarian working in the practice has personal and family goals he or she wants to achieve. Sometimes it is a hard balancing act to achieve both. Concerns faculty often hear voiced by practitioners include: too little money for the long work hours; inefficient/chaotic work schedules; changing animal and human demographics in the practice area; and too little family and personal time.

This seminar addresses making your practice work for you instead of feeling it is always the other way around. Topics to be covered include: managing practice economics to ensure financial success; improving practice cash flow and profitability; reducing accounts receivable; effective inventory control; improving practice scheduling efficiency; pricing services and products; associate and owner compensation; planning future practice success; adapting to change; and financial benchmarks for typical food animal/mixed animal practices.

Dr. Bill Kearley has been a presenter for numerous practice management seminars at AABP over the past 11 years. Following 15 years in food animal practice and an MBA in 1995, Bill now consults with veterinary practices on practice growth, revitalization, and improvement. Dr. Dave Horn adds another perspective to this seminar with his 16 years of practice and consulting experience.

2006 Preconference Seminars

17 Advanced Ultrasound

Objective: To help practitioners maximize the use of ultrasound by providing a deep review of research in bovine reproductive ultrasound, discussing practical use of ultrasound in timed AI and embryo transfer programs, sharing tips for ultrasound use in the field, and learning examination techniques for the male reproductive tract, teats, and umbilicus to enlarge the repertoire of ultrasound use.

Fee: $250.00/Limit: 25
Level: Intermediate/Advanced
Computers: No
When: Wed., Sept. 20 • 9:00am-5:00pm
Coordinator: Jill Colloton
Faculty: Gregg Adams, Jill Colloton, Giovanni Gnemmi, Brad Stroud

Practitioners using ultrasound often wonder if everyone else is seeing the same things they do and what those things mean. Besides basic pregnancy diagnosis and fetal sexing, what are the real and practical capabilities of this technology? This interactive classroom course will help push the envelope by discussing practical applications and research updates in the following areas:

- Ultrasound and the estrous cycle—echo-texture analysis, identifying ovular versus anovular animals, pathologic versus benign cystic structures
- Ultrasound use with timed AI programs for dairy cattle
- Ultrasound use with embryo transfer programs
- Ultrasound identification of early embryonic death and twinning
- Ultrasound for improved metritis/endo-metritis diagnosis and other pathology
- Ultrasound use in very large dairies
- Ultrasound examination of the male reproductive tract
- Ultrasound examination of the teat and the umbilicus
- Identifying image artifacts
- Update on equipment with representatives from several companies

The group will share ideas about how they use ultrasound in practice. Attendees are encouraged to bring interesting images on CD, Zip disk, or USB device to share with the group. Anyone with a relevant case study is welcome to present data. This course is best suited for practitioners with some ultrasound experience or for those who have attended "Seminar 16: Basic Reproductive Ultrasound in Practice."

Research for a comprehensive view of bovine reproductive ultrasound. Video will include identifying normal and abnormal ovarian and uterine morphology, fetal sexing, early pregnancy diagnosis, and twin diagnosis. Monday’s afternoon lecture from 3:00 to 7:00pm will be followed on Tuesday by a trip to a local dairy for a hands-on wet laboratory. An early departure on Tuesday—6:00am—is planned to ensure a timely arrival at the farm. Several ultrasound companies will have units available for lab participants to use, providing a unique opportunity to compare units side by side. Please be sure to bring boots and coveralls for the wet lab! Lunch will be provided on Tuesday.

Note: Please bring boots and coveralls for the Tuesday session of this seminar.
Breeding Soundness Evaluation: Everything You Wanted to Know But Were Afraid to Ask

Objective: To provide practitioners with basic knowledge to perform the bull breeding soundness examination and those evaluations requiring more technical expertise.

Fee: $250.00/Limit: 50
Level: Basic
Computers: No
When: Wed., Sept. 20 • 8:30am-4:30pm
Coordinator: Gary Warner
Faculty: Gary Warner, Dwight Wolfe

This seminar is designed to provide an in-depth look at bull reproductive physiology, disease, nutrition, and use that can impact bull function and performance. With a faculty comprising experts from academia, custom semen production, and private practice, participants can expect hands-on experience with semen sample preparation and examination, various semen staining techniques, methods to quantify cells, and a deep look into the dark world of sperm cell morphology. There will be personal insight into equipment selection and maintenance (particularly microscopes and electro-ejaculators), with emphasis placed on bull handling procedures and management of bull reproductive injuries. A discussion of techniques for evaluating various frozen semen products and industry expectations will be provided. The seminar is designed for interaction between the participant and the instruction staff, and direct discussion will be encouraged. Use of digital imagery will provide a better understanding of evaluation of semen motility and morphology.

Prevention, Treatment, & Diagnosis of Ketosis

Objective: To provide a summary of current thinking on the importance of ketosis as a key factor in reduced cow health and performance in early lactation and to discuss prevention, treatment, and diagnostic strategies to reduce its impact.

Fee: $250.00/Limit: 30
Level: Intermediate
Computers: No
When: Tues., Sept. 20 • 8:00am-5:00pm
Coordinators: Todd Duffield
Faculty: Todd Duffield, Stephen LeBlanc, Ken Leslie

This interactive workshop will provide a comprehensive update on the risk factors, etiology, monitoring programs, and prevention of ketosis and associated periparturient disease. It will help to investigate and manage transition cow health more efficiently at the herd level. The seminar offers an opportunity to discuss current knowledge and ongoing research using case studies.

Student Lameness Wet Lab

Objective: This wet lab will familiarize students with basic technical procedures used in addressing lameness in cattle.

Fee: $0 MUST preregister to attend.
The student seminar has a limit of 25. Maximum of 1 person/school unless limit is not reached.

Level: Basic
Computers: No
When: Thurs., Sept. 21 • 8:30am-12:00pm
Coordinator: Jason Osterstock
Faculty: David Anderson, Steve Berry, Nigel Cook, Chuck Guard, Christine Navarre, Jason Osterstock, Jan Shearer, Richard Wallace, Sarel Van Amstel

Students will participate in hands-on instruction in routine procedures used to maintain hoof health and treat lameness in cattle. Topics covered will include basic hoof trimming, application of hoof blocks, bandaging, regional anesthesia of the distal limb, applied anatomy, and surgical procedures of the distal limb. Students will be assisted by Lameness Committee members in learning these topics and will have the opportunity to practice techniques on cadaver limbs.

Talk to your spouse, one on one … "I do that all the time" you say. Really? Is she/he listening? You will be surprised by what happens when you use proven communication methods. This seminar is likely to be the best 3 hours you have spent anywhere in years. Marriage Enrichment focuses on the positive aspects of your relationship, and most couples leave feeling renewed and reconnected. Originally written for the United Methodist Church, Marriage Enrichment welcomes people of all faiths or no faith. This seminar has always been very popular with bovine practitioners.
THURSDAY, SEPTEMBER 21

CLINICAL FORUMS
AABP will again offer a variety of Clinical Forums. Sessions are scheduled on both Thursday and Friday mornings from 7:00-9:00am, and this year they include breakfast. These sessions have proven extremely popular, and you can select from a wide range of topics. Clinical Forums enable you to participate in a small discussion group format that focuses on real clinical problems you face as a practitioner. The sessions are not lecture based and are led by experts who will facilitate conversation by bringing prepared material or cases designed to stimulate open dialogue and audience participation. Dr. Hatcher, Program Chair, raided this year’s list of conference speakers to add excellent new subjects. There is sure to be a Clinical Forum of practical interest to you. So sign up early, and bring your own experiences and problems to your session.

Enrollment for each Clinical Forum is limited to 20. Fee is $50.00 (USD) per participant, which includes a hot breakfast.

CLINICAL FORUMS 1
Thursday, September 21
7:00-9:00am

1 Adding Small Ruminant Veterinary Service to Your Bovine or Mixed Animal Practice  David Pugh
2 Helping Your Clients Receive Milk Quality Premiums  Andy Johnson
3 Making Embryo Transfer Work Practically and Economically for Your Clients  Edwin Robertson
4 Is Cow Rank a Bigger Factor for Metabolic Disease Than Ration Formulation?  Ken Nordlund
5 Staying Out of Trouble with Frozen Semen, Frozen Embryos, the Problem Breeder, and Fetal Sexing  Brad Stroud
6 Is Cow Feeding Behavior More Important Than Feed Intake?  Marina von Keyserlingk

Clinical Forums 2 is Friday from 7:00-9:00am.

AABP & AASRP JOINT SESSIONS
These sessions are included in the AABP conference registration fee. Small Ruminants 2 is Friday from 9:00am-12:00pm.

SMALL RUMINANTS 1
Thursday, September 21
8:00am–12:00pm
Moderator: Cindy Wolf

8:00-8:30am  Introduction and Basic Parasitology  Joe Snyder
8:30-9:30am  Anthelmintics, Diagnosis, FAMACHA  Ray Kaplan
9:30-10:00am  Parasite-Inhibiting Plants and Alternatives  Joe Snyder
10:00-10:30am  Milk/Refreshment Break
10:30-11:00am  Smart Drenching  Ray Kaplan
11:00-11:45am  Grazing Management and Nutrition  Joe Snyder
11:45am–12:00pm  Conclusions and Discussions  Ray Kaplan, Joe Snyder

AABP GENERAL CONFERENCE SESSIONS

GENERAL SESSION 1: INDUSTRY CONCERNS FOR THE FUTURE OF BOVINE PRACTICE
Thursday, September 21
10:30am-12:00pm
Moderator: Elizabeth Tabor

10:30-11:00am  Farm to Fridge  Jon Selzer

11:00-11:30am  Insight into the Shortage of Food Animal Veterinarians—How Do We Address the Problem?  John Schmitz
11:30am–12:00pm  The Use of Ultrasound in Reproductive Management in Dairy Cattle  John Lee

GENERAL SESSION 2: PROFITABLE IN-HOUSE DIAGNOSTICS
Thursday, September 21
1:30-5:00pm
Moderator: Jennifer Hatcher

1:30-2:00pm  The Use of Ultrasound in Cow-Calf Operations  Brad Stroud
2:00-2:30pm  Now That I’ve Got My Ultrasound, How Do I Pay for It?—Use of Ultrasound in the Mixed Animal Practice  Elizabeth Tabor
2:30-3:00pm  Optimizing Abortion Diagnostics  John Schmitz
3:00-3:30pm  Establishing and Managing an In-House Mastitis Lab  Bradley Mills
3:30-4:00pm  The Latest in Mastitis Control and Management  Andrew Johnson
4:00-4:30pm  The Future of Food Supply Veterinary Medicine: What the FSVMC-Bayer Study Tells Us and How Can AABP Use this Information?  Roger Saltman
AABP POSTER SESSIONS

Thursday, September 21 (from 12:00pm), Friday, September 22, and Saturday, September 23 (until 11:00am)

Presenters will be available for your questions 12:00-1:00pm Friday, September 22. Please note the inclusion of a session on Johne’s disease.

The Ovarian Responses to Treatment of Nonlactating Cycling Holstein Cows with a Combination of Progesterone and Either GnRH or Oestradiol Benzoate Injected at Diestrus Basiamsi V.E. Segwagwe

Reexamination of the Etiology of Fatal Undifferentiated Fever/Bovine Respiratory Disease Calvin W. Booker

Serum Neutralizing Antibody to the Alpha Toxin of Clostridium perfringens Type A in Dairy Calves Fed Colostrum from Immunized Dams David C. Van Metre

A Preliminary Investigation on Identification of Lame Dairy Cattle Using Pedometer Measures Mary E. Mowrer

Feeding Heat-Treated Colostrum to Dairy Calves Dan Hagman

Validation of the Minnesota Easy Culture System II: Results from In-lab Bi-plate Culture Versus Standard Laboratory Culture, and Bi-plate Inter-reader Agreement Joseph Hochhalter

Validation of the Minnesota Easy Culture System II: Results from In-lab Tri-plate Culture Versus Standard Laboratory Culture, and Tri-plate Inter-reader Agreement Mackenzie Jones

Bovi-Shield GOLD® FP® 5 VLS Induces Fetal Protection Against a Bovine Viral Diarrhea Virus James A. Jackson

Type 2 Persistently Infected Seeder Calf Challenge James A. Jackson

PortaSCC®, New Portable Quantitative SCC Test for Mastitis Wai Law

Comparison of Two Different Types of Yeast Versus Controls on Stressed Dairy Cows Jenks S. Britt

A Survey of Bovine Viral Diarrhea Virus Testing in Diagnostic Labs in the United States from 2004 to 2005 Elizabeth Driskell

Serum Fatty Acid and 3-Hydroxybutyrate Concentrations Depend on the Sample Time Related to the First Feed Intake in Dairy Cows Stephen LeBlanc

Effects of Testing and Removal of Persistently Infected Bovine Viral Diarrhea Virus Feeder Calves on Morbidity and Mortality of Home Pen-associated Feeder Calves Elliot Stevens

Production and Metabolic Response to the Addition of Live Yeast or Yeast Culture or No Yeast to Lactating Cows Jenks S. Britt

A Case Description of Possible Vitamin E Deficiency Among Calves in a Large Danish Dairy Herd—Clinical Findings, Supplementation, and Future Prevention Rikke Engelbrecht

JOHNE’S DISEASE POSTER SESSION

Natural Exposure of Purchased Heifers in a Johne’s Positive Herd Justin L. Helgerson

Role of Vaccination in the Control of Johne’s Disease in Three Wisconsin Dairy Herds Elisabeth Patton

Effect of Johne’s Disease Vaccination on Reducing Contamination of the Dairy Farm Environment Abigail E. Cumpton

Use of a Fecal PCR Assay on Environmental Samples for Detection of Dairy Cattle Herds Infected with Johne’s Disease Natalia Cernicchiaro

Factors Associated with ELISA S/P Ratio Scores for Paratuberculosis in an Angus-Brahman Multibreed Herd of Beef Cattle D. Owen Rae

Association Between Reproduction and Preweaning Growth Traits and ELISA Scores for Paratuberculosis in an Angus-Brahman Multibreed Herd of Cattle D. Owen Rae

Environmental Sampling for the Detection of Mycobacterium avium subsp paratuberculosis in Dairies in Texas Mario A. Villarino

Ohio’s Johne’s Disease Demonstration Project: Environmental Sampling and Fecal Pooling William P. Shulaw

Lessons Learned from a Minnesota Johne’s Disease Demonstration Herd Control Program Cecile Ferrouillet

Vermont’s Two National Johne’s Demonstration Herds Christine A. Rossiter-Burhans

Low Mycobacterium avium subsp paratuberculosis ELISA Specificity in a Dairy Herd Daniel L. Grooms

Quantifying Johne’s Disease Infectivity in Dairy Herds in Indiana Ching Ching Wu

Successful Control of Johne’s Disease in Nine Wisconsin Dairy Herds Vic Eggleston
RESEARCH SUMMARIES 1

Thursday, September 21
1:00-5:00pm
Moderators: Jenks Britt, Scott Smith

1:00-1:15pm  Profitability of Producers Who Purchase Beef Cows Versus Those WhoRaise Replacements
Suelee Robbe-Austerman

1:15-1:30pm  Case Report: A Complex, Catastrophic Toxicology Case in a Herd of Beef Cows
John F. Currin

*1:30-1:45pm  Effect of Sex at Arrival on Health and Performance of High Risk Calves During a 44-Day Receiving Period
Luis O. Burciaga-Robles

*1:45-2:00pm  Effect of Different Castration Methods on the Subsequent Performance of Bull Calves
R. L. Rust

*2:00-2:15pm  Measurement of Exhaled Nitric Oxide and Exhaled Carbon Dioxide in the Breath of Calves upon Arrival and During a 42-Day Receiving Period
Ben P. Holland

2:15-2:30pm  Use of Treatment Records and Lung Lesion Scoring to Estimate the Effect of Respiratory Disease on Growth During Early and Late Finishing Periods in South African Feedlot Cattle
Peter N. Thompson

*2:30-2:45pm  Feedyard Biosecurity Survey
Aric W. Brandt

2:45-3:00pm  Question and Answer Session

2:45-3:00pm  Milk/Refreshment Break

3:00-3:15pm  The Association Between Hoof Lesions and Milk Production in Ontario Dairy Cows
Gerard Cramer

*3:15-3:30pm  The Association Between Hoof Lesions and Culling Risk in Ontario Dairy Cows
Gerard Cramer

*3:45-4:00pm  Correlation of Different Visual Scores and the Presence or Absence of Painful Foot Lesions
Rodrigo C. Bicalho

*4:15-4:30pm  Correlation Between a Visual Locomotion Scoring System and an Electronic Locomotion Scoring System
Rodrigo C. Bicalho

*4:45-5:00pm  Survival of Commercial Dairy Cows After Digit Amputation or Arthrodesis Surgery
Soon Hon Cheong

Thank You for Thursday Milk Breaks

* Presenter eligible for graduate student presentation award

Research Summaries 2 is Friday from 8:00am-12:00pm, Research Summaries 3 is Friday from 1:30-5:00pm, Research Summaries 4 is Saturday from 8:00-11:30am.
STUDENT CASE PRESENTATION COMPETITION

Thursday, September 21
1:00–5:00pm
Moderator: Paige Eichar

This year 11 talented student AABP members will participate in the seventh AABP Student Case Presentation Competition. These veterinary students will present interesting cases that they have encountered and research projects that they have completed. Contestants will be judged on both the quality of their investigation or research and the quality of the presentation. Cash awards will be given for the top three presentations. The top three presentations will be repeated during General Session 4 on Saturday immediately following the Annual Business Meeting and Awards Luncheon.

Time has been reserved for interactive discussion between the presenters and the audience. This format allows experienced practitioners to comment on the investigation and management of the cases. Join your current and future colleagues on Thursday afternoon for a fast-paced session that will showcase the future of bovine practice.

Each student will have 15 minutes to present and 5 minutes for questions.

1:00–1:20pm Effects of Testing and Removal of Persistently Infected Bovine Viral Diarrhea Virus Feeder Calves on Morbidity and Mortality of Home Pen-associated Feeder Calves
Elliot Stevens, Kansas State University College of Veterinary Medicine

1:20–1:40pm Diagnosis and Surgical Management of Tracheal Collapse in a 2-Week-Old Beef Calf
Koby Reitz, Texas A&M College of Veterinary Medicine and Biomedical Sciences

1:40–2:00pm Emphysematous Fetus in a Shorthorn Cow, with a Retrospective Study on Perioperative Care, Cow Survival, and Return to Fertility
Justin Kieffer, The Ohio State University College of Veterinary Medicine

2:00–2:20pm Chronic Interstitial Nephritis in a Beef Cow
Billy Myers, Oregon State University College of Veterinary Medicine

2:20–2:40pm Scrotal Necrosis and Septic Orchitis Resulting from Incomplete Castration
Sarah Thatcher-Mason, Oregon State University College of Veterinary Medicine

2:40–3:00pm Trauma-induced Physitis of the Right Distal Physis of Metatarsal III-IV in a 10-Month-Old Crossbreed Heifer
Christopher Thomas, Alondra Velez, and Michelle Scott, Ross University College of Veterinary Medicine

3:00–3:30pm Milk/Refreshment Break

3:30–3:50pm The Effectiveness of Rectal Temperature Monitoring for Identifying Metritis in the Postpartum Dairy Cow
Skye Dobberstein and Sarah Scott, Colorado State University College of Veterinary Medicine and Biological Sciences

3:50–4:10pm #840: An Unusual Downer Cow
C. Destinee Bearden, Auburn University College of Veterinary Medicine

4:10–4:30pm Omosal Dilatation and Displacement in a Dairy Cow
Heather Mayers and Jessica Smith, Cornell University College of Veterinary Medicine

4:30–4:50pm Clinical Presentation of Malignant Catarrhal Fever in a Colorado Dairy Herd
Morgan McCarty, Colorado State University College of Veterinary Medicine and Biological Sciences

4:50–5:10pm Black Fly Transmission of Vesicular Stomatitis Virus New Jersey to Cattle
Molly Murphy, University of Georgia College of Veterinary Medicine

Popular, Practical, and Now Prime-time!

Matter-of-Facts for Cattle Veterinarians:
TOP PRACTICE TIPS & SMART TECHNIQUES

Thursday, September 21 • 7:30pm
Following the Opening Ceremony
Moderator: Dr. Jim Brett

Dr. Jim Brett:
Working the Admissions Process System

Dr. John Day:
A Tip About Necropsy

Dr. Jenks Britt:
“The Midnight Ride of Z-Jenks”

Dr. Dan Thomson:
Feedyard Pearls

Dr. Jim Hartman:
Difficult OBs/Malpresentations

Dr. David Anderson:
Surgery Tips for the Field

Dr. Keith Wilts:
Save That Palpating Arm

Dr. Hugh McCampbell:
Tennessee Tidbits ... Returns
5th Fabulous Year!

A DEDICATED PROGRAM FOR VETERINARY TECHNICIANS IN CATTLE PRACTICE • ALL DAY THURSDAY

WELCOME TECHNICIANS! Veterinary technicians are also invited to attend sessions for veterinarians on Friday, September 22, and Saturday, September 23. Register for the conference by using the form on page C8 or online at www.aabp.org.

AABP VETERINARY TECHNICIAN PROGRAM
Veterinary Technicians in Bovine Practice

SESSION 1
Thursday, September 21
8:00am-12:00pm
Moderator: Melissa Czeck
8:00-8:30am Calf Diarrhea: Physiology Sarah Wagner
8:30-9:00am Client Education Melissa Czeck
9:00-9:30am Calf Diarrhea: Pharmacology Sarah Wagner
9:30-10:00am Tech Tips Debbie Stevenson
10:00-10:30am Milk/Refreshment Break
10:30-11:00pm Cattle Behavior/Handling Sarah Wagner
11:00-11:30am Technician Utilization Jannell Kral
11:30am-12:00pm American Association of Production Medicine Technicians Debbie Stevenson
2:00-2:30pm Small Ruminants: Parasite Control 1 David Pugh
3:00-3:30pm Milk/Refreshment Break
3:30-4:00pm Small Ruminants: Dystocia David Pugh
4:00-4:30pm Small Ruminants: Parasite Control 2 David Pugh
4:30-5:00pm Ultrasound David Pugh

SESSION 2
Thursday, September 21
2:00-5:00pm
Moderator: Sarah Wagner
2:00-2:30pm Small Ruminants: Immunization David Pugh
2:30-3:00pm Small Ruminants: Parasite Control 1 David Pugh
3:00-3:30pm Milk/Refreshment Break
3:30-4:00pm Small Ruminants: Dystocia David Pugh
4:00-4:30pm Small Ruminants: Parasite Control 2 David Pugh
4:30-5:00pm Ultrasound David Pugh

BOVINE BUCKS

TECHNICIANS ...
USE YOUR BEAUTIFUL BOVINE BUCKS TO BUY LUNCH!

Bonus “Bovine Bucks” are yours courtesy of Pfizer Animal Health
and Schering-Plough Animal Health

Look for the Bovine Bucks coupons in your Registration Packet
Take them to the Pfizer and Schering-Plough booths to redeem them for meal vouchers ($10.00 value each)
### FRIDAY, SEPTEMBER 22

#### CLINICAL FORUMS 2

Friday, September 22  
7:00-9:00am  
Enrollment for each Clinical Forum is limited to 20. Fee is $50.00 (USD) per participant, which includes a hot breakfast. See introduction, page 25.

- **7** Cattle Behavior in Beef Practice  
  Wade Taylor, Tom Noffsinger
- **8** Foot Care and Claw Trimming—Not Just for Foot Trimmers Anymore  
  Jan Shearer
- **9** Designing Vaccination Programs for Today’s Cattle  
  Vic Cortese
- **10** Accidents of Gestation and Training Farm Personnel in First Aid Obstetrics  
  Maarten Drost
- **11** Solving Practice Management Challenges  
  Brian Reed
- **12** The Status of the National Animal Identification System Today  
  Mark Spire

Clinical Forums 1 is Thursday, 7:00-9:00am.

#### AABP GENERAL CONFERENCE SESSIONS

**GENERAL SESSION 3: KEEPING COWS, CLIENTS, & CONSUMERS COMFORTABLE—THE FOREFRONT OF ANIMAL WELFARE & ANIMAL ID**

Friday, September 22  
8:00am-12:00pm  
Moderators: Eran Raizman, Roxanne Pillars

- **8:00-8:15am** An Economic Model That Assesses Costs and Impacts for Dairy Producers As a Consequence of Variable Antibiotic Treatment Compliance  
  David Galligan
- **8:15-8:30am** Relationship of Teat-End Hyperkeratosis to Incidence of Clinical Mastitis and Composite Milk Somatic Cell Count in a Large Holstein Dairy Herd with an Environmental Mastitis Problem  
  Reza Kasravi

#### RESEARCH SUMMARIES 2

Friday, September 22  
8:00am-12:00pm  
Moderators: Eran Raizman, Roxanne Pillars

- **8:00-8:15am** Reducing Detrimental Effects of Commingling  
  Ken Nordlund
- **8:30-8:45am** Relationship Between Teat-End Hyperkeratosis and Composite Milk Somatic Cell Count in a Dairy Herd in Iran  
  Mahmoud Bolourchi
- **8:45-9:00am** Validation of the Minnesota Easy Culture System II: Results from On-Farm Bi-Plate Culture Versus Standard Laboratory Culture  
  Alfonso Lago
- **9:00-9:15am** Relationship of Body Condition Score and Oxidant Stress on Tumor Necrosis Factor Expression in Dairy Cattle  
  Nial J. O’Boyle
- **9:15-9:30am** Quantification of Lactation Curves for Diagnosis  
  James L. Ehrlich
- **9:30-9:45am** Descriptive Epidemiology of Adult Dairy Cow Mortalities on a Modern Colorado Dairy  
  Julie A. Severidt
- **9:45-10:00am** Questions and Answers
- **10:00-10:15am** Relationship Between Teat-End Hyperkeratosis and Composite Milk Somatic Cell Count in a Dairy Herd in Iran  
  Mahmoud Bolourchi
- **10:15-10:30am** Validation of the Minnesota Easy Culture System II: Results from On-Farm Bi-Plate Culture Versus Standard Laboratory Culture  
  Alfonso Lago
- **10:30-10:45am** Estimations of Milk and Meat Withdrawal Times of Ketamine and Lidocaine in Adult Holstein Cows  
  Glen Sellers
- **10:45-11:00am** The Efficacy of Meloxicam As an Adjunct Therapy in the Treatment of Neonatal Calf Diarrhea Complex  
  Cynthia G. Todd
- **11:00-11:15am** An Evaluation of the Efficacy of On-Farm Pasteurization of Waste Milk in Seven Western New York Dairies  
  Michael B. Capel
- **11:15-11:30am** Effects of 2-Week Oral IgG Supplementation in Preweaned Calves  
  *Presenter eligible for graduate student presentation award*
on Morbidity, Mortality, and Weight Gain  Dale A. Moore

11:30-11:45am  Clinical Trial Evaluating the Effects of a Mannan Oligosaccharide in Milk Replacer on Health and Performance of Commercially Raised Dairy Calves  Daryl V. Nydam

11:45am-12:00pm  Effect of Maternity Pen Management on Morbidity and Mortality in Dairy Heifer Calves from Birth to 90 Days of Life  Patrick Pithua

Research Summaries 1 is Thursday from 1:00-5:00pm, Research Summaries 3 is Friday from 1:30-5:00pm, Research Summaries 4 is Saturday from 8:00-11:30am.

SPLIT CONFERENCE SESSIONS: BEEF

SESSION 1: REPRODUCTIVE ISSUES FACING COW-CALF HERDS  
Friday, September 22  
9:00am-12:00pm  
Moderator: R. Kevin Vance

9:00-9:30am  Guidelines for Ultrasound Fetal Sexing in a Cow-Calf Operation  Brad Stroud

9:30-10:00am  Strategies for the Successful Implementation of Sex-Sorted Semen for Beef Females: Essential Advice for Your Clients  Brad Stroud

10:00-10:30am  Milk/Refreshment Break

10:30-11:00am  Practical Techniques for Embryo Placement in Beef Recipients  Edwin Robertson

11:00-11:30am  Practical Approaches to the Problem Breeder Female (including an update on commercial cloning)  Brad Stroud

11:30am-12:00pm  Update on Leptospira hardjo bovis Control in Beef Herds  Steve Wikse

Beef Session 2 is Saturday, 8:00-11:30am.

AABP & AASRP JOINT SESSIONS

These sessions are included in the AABP conference registration fee. Small Ruminants 1 is scheduled from 8:00am-12:00pm on Thursday.

SMALL RUMINANTS 2  
Friday, September 22  
9:00am–12:00pm  
Moderator: Joe Snyder

9:00-9:30am  Mycoplasma in the Goat Dairy  Joan Dean Rowe

9:30-10:00am  Control Techniques for Mycoplasma and Other Chronic Diseases in Goats  Joan Dean Rowe

10:00-10:30am  Milk/Refreshment Break

10:30-11:00am  Ultrasound in Sheep and Goats  Joan Dean Rowe

11:00-11:30am  Transitional Nutrition in Small Ruminants  Robert Van Saun

SPLIT CONFERENCE SESSIONS: FEEDLOT

PRACTICAL FEEDLOT LAMENESS & DECISION MAKING  
Friday, September 22  
1:30-5:00pm  
Moderator: Paige Eichar

1:30-2:30pm  Feedlot Lameness  Dee Griffin

2:30-3:00pm  Hairy Heel Warts in Feedlot Cattle  Brian Lubbers

3:00-3:30pm  Milk/Refreshment Break

3:30-4:30pm  Feedlot Lameness Prevention  Tom Noffsinger

4:30-5:00pm  Evidence Based Medicine for Feedlot Cattle  Dan Thomson

SPLIT CONFERENCE SESSIONS: DAIRY

SESSION 1: APPROACHES TO MANAGING THE WELFARE OF FRESH COWS & LAME COWS  
Friday, September 22  
1:30-5:30pm  
Moderator: Jim McMillan

1:30-1:45pm  Research Summary: A Retrospective Video Analysis of the Behavior of Periparturient Dairy Cattle  Ken E. Leslie

1:45-2:30pm  Feeding Behavior Identifies Cows at Risk for Metritis  Marina von Keyserlingk

2:30-3:00pm  Metabolic Profiles for Evaluation of the Transition Period  Robert Van Saun

Thank You for Friday Milk Breaks

Schering-Plough

THE 39TH ANNUAL CONFERENCE OF THE AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00-3:30pm</td>
<td><strong>Milk/Refreshment Break</strong></td>
</tr>
<tr>
<td>3:30-4:00pm</td>
<td>Transition Cow Index: An Objective Tool to Benchmark Fresh Cow Programs</td>
</tr>
<tr>
<td></td>
<td>Ken Nordlund</td>
</tr>
<tr>
<td>4:00-4:30pm</td>
<td>Quantification and the Associated Costs of Lameness on Today’s Dairies</td>
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<tr>
<td></td>
<td>Chuck Guard</td>
</tr>
<tr>
<td>4:30-5:00pm</td>
<td>Pathogenesis of Foot Problems and New Approaches in Dealing with Them</td>
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<tr>
<td></td>
<td>Chuck Guard</td>
</tr>
<tr>
<td>5:00-5:30pm</td>
<td>The Dual Role of Cow Comfort in On-Farm Lameness Dynamics</td>
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<td></td>
<td>Nigel Cook</td>
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</tbody>
</table>

Dairy Session 2 is Saturday, 2:00-5:30pm.

**RESEARCH SUMMARIES 3**

**Friday, September 22**

1:30-5:00pm

**Moderators:** Sandra Godden, Scott Nordstrom

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30-1:45pm</td>
<td>A Preliminary Study on the Effect of Intrauterine Infusion of Sodium Ceftiofur on Chronic Uterine Infections of Holstein Cows</td>
</tr>
<tr>
<td>1:45-2:00pm</td>
<td>A New Device for the Collection of Bovine Semen</td>
</tr>
<tr>
<td>2:00-2:15pm</td>
<td>Outcomes of Synchronization and Timed Insemination Coupled with Retained Ownership in a Commercial Beef Cattle Operation</td>
</tr>
<tr>
<td>2:15-2:30pm</td>
<td>Systemic Antibiotic Treatment of Retained Fetal Membranes in Dairy Cattle Is Effective</td>
</tr>
<tr>
<td>2:30-2:45pm</td>
<td>Fetal Protection Against Continuous Exposure to Bovine Viral Diarrhea Virus Following Administration of a Vaccine Containing an Inactivated BVDV Fraction</td>
</tr>
<tr>
<td>2:45-3:00pm</td>
<td>Question and Answer Session</td>
</tr>
<tr>
<td>3:00-3:30pm</td>
<td><strong>Milk/Refreshment Break</strong></td>
</tr>
<tr>
<td>3:30-3:45pm</td>
<td>BVD Type I and Type II SN Titer Response in Weaning Age Beef Calves Following the Administration, in Various Combinations, of Two MLV Vaccines Containing Different BVD Type 1 and Type 2 Strains</td>
</tr>
<tr>
<td>3:45-4:00pm</td>
<td>Parameters of Ear Notch Samples for BVDV Testing: Stability, Size Requirements, and Viral Load</td>
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<tr>
<td>4:00-4:15pm</td>
<td>Experimental Acute BVDV Infection in a White Tail Deer Fawn</td>
</tr>
<tr>
<td>4:15-4:30pm</td>
<td>Investigation of the Role of Bovine Viral Diarrhea Virus (BVDV) in Undifferentiated Fever of Feedlot Cattle</td>
</tr>
<tr>
<td>4:30-4:45pm</td>
<td>Bovine Respiratory Syncytial Virus, Bovine Coronavirus, and Bovine Viral Diarrhea Virus Diagnosis by PCR Testing of Nasal Swabs: Comparison with Cell Culture Procedures</td>
</tr>
</tbody>
</table>

**SATURDAY, SEPTEMBER 23**

**SPLIT CONFERENCE SESSIONS: BEEF**

**SESSION 2: ALTERNATIVE DISEASE CONTROL PROCEDURES FOR COW-CALF HERDS**

Saturday, September 23
8:00-11:30am

**Moderator:** Glenn Rogers

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00-8:30am</td>
<td>Understanding Pathogen Dynamics and Epidemiology as They Relate to Disease Management in Beef Herds</td>
</tr>
<tr>
<td>8:30-9:00am</td>
<td>Thoughts on Biosecurity/Biocontainment in Management of Cow-Calf Herds: Sandhills Calving System</td>
</tr>
<tr>
<td>9:00-9:30</td>
<td>Strategies for Controlling Neonatal Diarrhea in Cow-Calf Herds: Sandhills Calving System</td>
</tr>
<tr>
<td>9:30-10:00am</td>
<td><strong>Milk/Refreshment Break</strong></td>
</tr>
<tr>
<td>10:00-10:30am</td>
<td>Economic, Reproductive, and Performance Effects of PI BVD in Commercial Cattle Operations: Managing to Minimize Losses</td>
</tr>
<tr>
<td>10:30-11:00am</td>
<td>Disease Management Strategies</td>
</tr>
<tr>
<td>11:00-11:30am</td>
<td>Growing Your Cattle Practice by Building “Management Partner” Relationships</td>
</tr>
</tbody>
</table>

Beef Session 1 is Friday, 9:00am-12:00pm.
SESSIONS FOR STUDENTS

Saturday, September 23
8:00-11:30am

Saturday’s student sessions are scheduled before the AABP Annual Business Meeting and Awards Luncheon. This year’s student sessions are designed to discuss what the food animal graduate needs to take from his/her formal education into practice. Sessions will also address some AABP-supported opportunities to enhance the transition into a career in food supply veterinary medicine.

8:00-9:00am  Field Diagnostics: Real World Applications
             Christine Navarre
9:00-10:00am  Externships—Who, What, When, Where, and Most Importantly Why?
              Michael Capel
10:00-10:30am Milk/Refreshment Break
10:30-11:30am Jobs Opportunities “Meet and Greet” Session

AABP GENERAL CONFERENCE SESSIONS

GENERAL SESSION 4:
GROWING GAINS & SLOWING PAINS—ANALGESIA & PRACTICE MANAGEMENT
Saturday, September 23
2:00-5:15pm
Moderator: Elizabeth Tabor

2:00-2:45pm  Student Case Presentation Award Winners
             (results of Thursday’s competition)
2:45-3:00pm  Research Summary: Evaluation of Castration Technique, Pain Management, and Castration Timing in Young Feedlot Bulls in Alberta
              Calvin Booker
3:00-3:30pm  Prudent Use of Pain Relief in Food Animals
              Christine Navarre
3:30-4:00pm  Milk/Refreshment Break
4:00-4:30pm  Practical Nerve Blocks—Numbing Nose to Tail
              Christine Navarre
4:30-5:00pm  Pooling Resources to Achieve Financial, Professional, and Personal Success
              Brian Reed
5:00-5:30pm  Balancing Profit and Value
              Brian Reed

SPLIT CONFERENCE SESSIONS: DAIRY

SESSION 2: IMPROVING REPRODUCTION ON TODAY’S DAIRIES: ARE WE GOING IN THE RIGHT DIRECTION?
Saturday, September 23
2:00-5:30pm
Moderator: Matthew Robson

2:00-2:15pm  Research Summary: Predictors of Stillbirth for Cows Moved to Calving Pens When Calving Is Imminent
              Jerome Carrier
2:15-2:30pm  Research Summary: Field Trial of Vaccination Against Leptospira borgpetersenii serovar hardjo bovis in a Single New York Dairy Herd
              Chuck Guard
2:30-3:00pm  Update on Animal Welfare Audits
              Jim Reynolds
3:00-3:30pm  Postbreeding Treatments to Improve Fertility in Lactating Dairy Cows
              Paul Fricke
3:30-4:00pm  Milk/Refreshment Break
4:00-4:30pm  Synchronization Programs and Ultrasound: Are We Getting in There Too Early?
              Paul Fricke
4:30-5:00pm  Cash Flows of Instituting Reproductive Programs: Costs Up Front, Returns in the Future?
              Mike Overton
5:00-5:30pm  Improved Decision Making by Considering Type I and Type II Costs
              Mike Overton

Dairy Session 1 is Friday, 1:30-5:30pm.

RESEARCH SUMMARIES 4

JOHNE’S DISEASE
RESEARCH SUMMARIES
Saturday, September 23
8:00-11:30am
Moderators: Steve Hendrick, Jim Rhodes

*8:00-8:15am  Analysis of the Association Between ELISA and Nested PCR on Blood and Milk for Mycobacterium avium subsp paratuberculosis Detection in Holstein Cows
              Pablo J. Pinedo
*8:15-8:30am  Environmental Distribution of Mycobacterium avium subsp paratuberculosis (MAP) on Michigan Dairy Farms
              Roxanne B. Pillars
*8:30-8:45am  Sample Handling Significantly Affects Johnne’s ELISA
              Catherine A. Alinovi
*8:45-9:00am  Decision Analysis Model for Paratuberculosis Control in Commercial Dairy Herds
              Nathan C. Dorshorst

* Presenter eligible for graduate student presentation award
SPEAKERS & SEMINAR FACULTY
The AABP Officers, Directors, and Program Committee members wish to express sincere appreciation for the knowledge, talent, experience, and leadership represented by our 2006 session and seminar presenters.
## AABP COMMITTEES

Members of the American Association of Bovine Practitioners who would like to serve on any of the following committees should contact the chairperson through AABP headquarters. Committee meetings are open to all AABP members.

<table>
<thead>
<tr>
<th>Committee Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AABP Amstutz Scholarship</strong></td>
<td>Determines protocol and requirements for awarding scholarships and recommends fundraising procedures that ensure adequate monies for disbursement. Reports to the Board and requires its approval for all recommendations and fundraising. Chair is appointed by the AABP President and committee includes one Board member.</td>
</tr>
<tr>
<td><strong>Animal Welfare</strong></td>
<td>Informs the Board and AABP members about issues pertaining to animal welfare and promotes animal welfare in the bovine species. Reports latest information and suggested AABP positions on environmental concerns, such as bovine confinement housing and waste disposal, and other welfare concerns, such as dehorning, castrating, branding, and transportation.</td>
</tr>
<tr>
<td><strong>Biological Risk Management and Preparedness</strong></td>
<td>Monitors and reviews issues of interest and significant biological disease risk and preparedness. Assures a liaison with appropriate Federal and/or state agencies. Provides an identifiable, responsible body with which other allied veterinary/professional organizations can interact. Formulates and provides recommendations. Submits timely and relevant risk and preparedness information that is made available to AABP members via the Web site or newsletter.</td>
</tr>
<tr>
<td><strong>Constitution and Bylaws</strong></td>
<td>Responsible for decisions affecting the organizational rules of the AABP. Consists of a parliamentary-chairperson appointed for a 3-year term by the AABP President and two or more members appointed by the President for 1-year unlimited terms. Board approval is required.</td>
</tr>
<tr>
<td><strong>Finance</strong></td>
<td>Compiles an annual statement showing the AABP’s financial status, reviews methods of financial control, reviews budget controls, and consults and comments on the budget prepared each year by the Executive Vice President.</td>
</tr>
<tr>
<td><strong>Food Quality, Safety, and Security</strong></td>
<td>Informs the Board and AABP membership of issues, including microorganisms and chemical residues that may risk human or animal health, that concern the safety of bovine food products for human consumption; but excluding pharmaceutical and biological product residue issues (addressed by the Pharmaceutical and Biological Issues Committee).</td>
</tr>
<tr>
<td><strong>Information Management</strong></td>
<td>Advises Board and AABP members on information management matters, coordinates information management needs with allied organizations, facilitates information retrieval from multiple sources, and evaluates options and provides recommendations for disseminating information to members.</td>
</tr>
<tr>
<td><strong>Lameness</strong></td>
<td>Facilitates transfer of new information and technology regarding pathogenesis, treatment, and control of bovine lameness to bovine practitioners, animal and dairy scientists, hoof trimmers, allied industries, and others with interest in bovine foot and leg health. Serves as a topic and speaker resource for local, state and national educational programs. Encourages inclusion of lameness studies in the curricula of North American veterinary colleges. Promotes research through encouraging increased funding by government and private industry of investigation into locomotion problems.</td>
</tr>
<tr>
<td><strong>Mastitis Control</strong></td>
<td>Informs the Board and AABP members about issues pertaining to bovine mastitis. Maintains liaison with National Mastitis Council, AVMA Mastitis Committee and the mastitis committees of other specialty organizations. Recommends topics and speakers for the Annual AABP Conference and provides material for the AABP newsletter.</td>
</tr>
<tr>
<td><strong>Membership</strong></td>
<td>Makes recommendations to the AABP Board of Directors on administering membership eligibility, recruitment, strategic planning, and other proposed services.</td>
</tr>
<tr>
<td><strong>Nutrition</strong></td>
<td>Informs the Board and AABP members about issues pertaining to bovine nutrition in all sectors, including cow-calf, feedlot, and dairy. Recommends topics and speakers for the Annual AABP Conference and provides material for the AABP newsletter. Promotes incorporation of nutrition study into the curriculum of North American veterinary colleges. Ensures representation on the American Feed Industry Association’s Nutrition Council.</td>
</tr>
<tr>
<td><strong>Pharmaceutical and Biological Issues</strong></td>
<td>Informs the Board and AABP members about drug-related and residue avoidance issues through monitoring and review. Assures liaison with the AVMA and with appropriate federal and state agencies, bureaus, and organizations that deal with drug and residue issues. Offers an identifiable and responsible body with which the pharmaceutical industry can interact. Makes recommendations to the Board regarding animal drug and residue issues that warrant AABP action or reaction.</td>
</tr>
<tr>
<td><strong>Reproduction</strong></td>
<td>Operates as an educational resource for the AABP Board and membership on reproduction-related matters. Works closely with the Society for Theriogenology, the National Association of Animal Breeders, the National Cattlemen’s Association, and other organizations and dairy record processing centers to achieve standardized nomenclature and performance indices. Recommends topics and speakers for the Annual AABP Conference and provides material for the AABP newsletter.</td>
</tr>
</tbody>
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Look to the future!

Save these AABP Conference dates …

**2007**
Vancouver, British Columbia • September 20-22

**2008**
Charlotte, North Carolina • September 25-27

**2009**
Omaha, Nebraska • September 10-12

**2010**
Albuquerque, New Mexico • September 16-18

**2011**
Saint Louis, Missouri • September 22-24