Plan To Join Your Colleagues in Historic St. Louis, Missouri!
Annual Therio Conference & Symposia
August 12 – 16, 2008

Hyatt Regency – St. Louis • One St. Louis Union Station • St. Louis, MO 63103 • (314) 231-1234
Complete Program Information Inside This Issue
Register Online – www.therio.org
President’s Message

In Canada, spring has finally arrived after a long cold winter, and there seems to be new life everywhere. It is the first week of May. In Ontario, the leaves are just starting to emerge, the sun is becoming warmer again, and the days are finally lengthening to the point that you can awaken with the first light.

2008 St. Louis Meeting: The program for the St. Louis meeting looks really excellent, thanks to a lot of hard work by Ana Adams, Cheryl Lopate, Charles Franz and Franz Management. However, since the format has changed substantially, I would like to take a minute to share some of the thoughts behind the new strategy. Over the last few years the quality of the lectures has continued to improve and some of the new sessions have been very well received (eg. Abstract session). However, there was a problem – How to increase meeting attendance, and meet the different lecture expectations of our broad range of members. The abstracts were excellent for the graduate students, diplomates, and university based theriogenologists, but did not interest many practitioners. The review lectures were boring for the academics and seasoned practitioners. The challenge of the Therio meeting is that it covers multiple species, has a typical attendance of 250-350 members, and tries to meet the theriogenology expectations of a broad range of attendees. After considerable debate the structure of the program has been radically changed. It was decided to try to present more lectures targeted to provide information at different levels. This includes a new practical “How to session”, workshops, research abstracts, case studies, and discussion time. Have a look at the program – I think you will be impressed. A lot of practical, “take home” material has been included. We hope that you will sincerely enjoy the new program. Let us know your thoughts, so we can continue to improve your program in future. We would welcome as much feedback as possible.

Hope to see you in August in St. Louis,
Patrick Hearn

Board Of Directors Candidates Announced

The Nominating Committee of the Society for Theriogenology is pleased to announce the following candidates for Board of Directors. The individuals below are running to serve a three-year term as a director on the SFT Board. Pursuant to the society bylaws, the general election will be held during the annual conference (August 12-16, 2008) in St. Louis, Missouri.

Dr. William Schultz-Okemos, Michigan
Dr. James Floyd-Raleigh, North Carolina
Dr. Donald E. Sanders-Urbania, Ohio

Dr. William Schultz graduated from Michigan State University in 1973, went into private practice and opened his companion animal practice in the fall of 1974. Strong interest in reproduction led to his wife Ingrid (of 39 years) having 4 children and now three grandchildren with twins due in late summer 2008.

From a clinical standpoint, involvement with ICG and frozen semen started in 1991 after many years doing fresh, chilled and frozen semen inseminations. He has spoken for several national specialties, dog club meetings, local VMA meetings, student veterinary groups and the Therio conference. He became actively involved with performing transcervical inseminations four and a half years ago, and continues to do reproduction work in a private practice setting. He is on the reproduction advisory board for Synbiotics. Interests outside of practice include photography, flying, fishing and bow hunting. His wife thinks he is pathological about exercise.

Dr. James Floyd received his DVM from Louisiana State University in 1981 after five years in the U.S. Army Infantry. After practicing mixed animal in Mississippi and Louisiana he completed a Theriogenology residency and received his masters degree in beef cattle

continued on page 16
2008 Therio / ACT Annual Conference & Symposia
Hyatt Regency St. Louis • August 12th – 16th, 2008

TUESDAY – AUGUST 12TH, 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 a.m.-5:30 p.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>5:00 p.m.-7:00 p.m.</td>
<td>Happy Hour Abstracts</td>
</tr>
<tr>
<td>7:00 p.m.-8:30 p.m.</td>
<td>Happy Hour Abstract Reception</td>
</tr>
<tr>
<td>8:30 p.m.-until</td>
<td>Dinner on Your Own</td>
</tr>
</tbody>
</table>

WEDNESDAY – AUGUST 13TH, 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 a.m.-4:30 p.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>8:00 a.m.-9:00 a.m.</td>
<td>Bartlett Address</td>
</tr>
<tr>
<td>9:00 a.m.-11:00 a.m.</td>
<td>Competitive Abstracts</td>
</tr>
<tr>
<td>11:00 a.m.-12:30 p.m.</td>
<td>Society for Theriogenology Business Meeting</td>
</tr>
<tr>
<td>12:30 p.m.-1:30 p.m.</td>
<td>Lunch on Your Own</td>
</tr>
<tr>
<td>1:30 p.m.-3:30 p.m.</td>
<td>American College of Theriogenologists Business Meeting</td>
</tr>
<tr>
<td>3:30 p.m.-5:00 p.m.</td>
<td>Student Case Presentations</td>
</tr>
<tr>
<td>5:00 p.m.-6:00 p.m.</td>
<td>Exhibit Hall Opening and Reception</td>
</tr>
<tr>
<td>6:30 p.m.-10:00 p.m.</td>
<td>Family Fun Night (St. Louis Zoo-Dinner &amp; Special Exhibit)</td>
</tr>
</tbody>
</table>

THURSDAY – AUGUST 14TH, 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 a.m.-4:30 p.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>7:15 a.m.-8:00 a.m.</td>
<td>Continental Breakfast – Exhibit Hall</td>
</tr>
<tr>
<td>8:00 a.m.-9:00 a.m.</td>
<td>Infectious Causes of Embryonic and Fetal Mortality - Dr. Dan Givens (General Session)</td>
</tr>
<tr>
<td>9:00 a.m.-10:00 a.m.</td>
<td>Effect of Dietary Modulation of Intestinal Microflora on Reproduction and Early Growth - Dr. Gail Czarnecki-Maulden (General Session)</td>
</tr>
<tr>
<td>10:00 a.m.-10:30 a.m.</td>
<td>Break – Exhibit Hall</td>
</tr>
<tr>
<td>6:30 p.m.-8:00 p.m.</td>
<td>Theriogenology Awards Banquet</td>
</tr>
<tr>
<td>8:00 p.m.-until</td>
<td>ACT Educators Forum</td>
</tr>
</tbody>
</table>

SMALL ANIMAL – TRACK 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 a.m.-11:00 a.m.</td>
<td>Physiology of Pregnancy - Endocrinology - Dr. Karine Onclin - Verstegen</td>
</tr>
<tr>
<td>11:00 a.m.-11:30 a.m.</td>
<td>Physiology of Pregnancy - Fetal Development - Dr. Scott Pretzer</td>
</tr>
<tr>
<td>11:30 a.m.-12:00 p.m.</td>
<td>Physiology of Pregnancy - Nutrition and Management - Dr. Cheri Johnson</td>
</tr>
<tr>
<td>12:00 p.m.-1:30 p.m.</td>
<td>Lunch on Your Own</td>
</tr>
<tr>
<td>1:30 p.m.-2:00 p.m.</td>
<td>Pregnancy Toxemia &amp; Gestational Diabetes - Dr. Cheri Johnson</td>
</tr>
<tr>
<td>2:00 p.m.-2:30 p.m.</td>
<td>Defining and Monitoring the High Risk Pregnancy - Dr. Cheri Johnson</td>
</tr>
<tr>
<td>2:30 p.m.-3:00 p.m.</td>
<td>Hypoluteoideism - Dr. Cheri Johnson</td>
</tr>
<tr>
<td>3:00 p.m.-3:30 p.m.</td>
<td>Viral Causes of Pregnancy Loss in the Bitch - Dr. John Verstegen</td>
</tr>
<tr>
<td>3:30 p.m.-4:00 p.m.</td>
<td>Break – Visit the Exhibit Hall</td>
</tr>
<tr>
<td>4:00 p.m.-4:30 p.m.</td>
<td>Non-Infectious Causes of Pregnancy Loss in the Bitch - Dr. John Verstegen</td>
</tr>
<tr>
<td>4:30 p.m.-5:00 p.m.</td>
<td>Bacterial and Protozoal Causes of Pregnancy Loss in the Bitch and Queen - Dr. Scott Pretzer</td>
</tr>
<tr>
<td>5:00 p.m.-5:30 p.m.</td>
<td>Viral Causes of Pregnancy Loss in the Queen - Dr. Karine Onclin-Verstegen</td>
</tr>
<tr>
<td>5:30 p.m.-6:00 p.m.</td>
<td>Non-Infectious Causes of Pregnancy Loss in the Queen - Dr. Karine Onclin-Verstegen</td>
</tr>
<tr>
<td>6:00 p.m.-6:30 p.m.</td>
<td>Abortion Diagnostics - Dr. Don Schlafer</td>
</tr>
</tbody>
</table>

continued on page 4
3:00 p.m. - 3:30 p.m. Ovulation Timing – Chilled Breedings – Cases - Drs. Kara Kolster, Ray Calkins, Katherine Settle
3:30 p.m. - 4:00 p.m. Break – Visit the Exhibit Hall
4:00 p.m. - 4:30 p.m. Ovulation Timing – Frozen Breedings – Cases - Drs. Ann Huntington, Anita Migday, Ana Adams
4:30 p.m. - 5:30 p.m. Breeding Management of the Subfertile Male - Drs. Bruce Eilts, Phyllis Giroux, Katherine Settle
5:30 p.m. - 6:30 p.m. Semen Handling in the Subfertile Male - Drs. Cheryl Lopate, Scott Pretzer

FOOD ANIMAL (BOVINE)

10:30 a.m. - 11:15 a.m. Breeding Soundness Evaluation: A Practitioner’s Perspective - Dr. James Alexander
11:15 a.m. - 12:00 p.m. Sperm Morphology: Its Relevance to Compensable and Uncompensable Traits in Semen - Dr. Dick Saacke
12:00 p.m. - 1:30 p.m. Lunch on Your Own
1:30 p.m. - 2:30 p.m. Insemination Factors Related to Timed AI in Cattle - Dr. Dick Saacke
2:30 p.m. - 3:30 p.m. Factors Affecting Pubertal Development of Bos Taurus - Dr. Albert Barth
3:30 p.m. - 4:00 p.m. Break – Visit the Exhibit Hall
4:00 p.m. - 5:00 p.m. Seminal Vesiculitis: Update on Treatment - Dr. Albert Barth
5:00 p.m. - 6:00 p.m. Pathogens That Cause Infertility of Bulls and Transmission via Semen - Dr. Dan Givens

EQUINE

10:30 a.m. - 11:15 a.m. EVA: Current Status and Management - Dr. Reed Holyoak
11:15 a.m. - 12:30 p.m. Diagnosis and Therapies for Early Embryonic Death - Dr. Dave Hartman
12:30 p.m. - 1:30 p.m. Lunch on Your Own
1:30 p.m. - 2:30 p.m. Diagnosis and Treatment of Endometritis Yesterday and Today - Dr. Irwin Liu
2:30 p.m. - 3:30 p.m. When Should You Refer a Problem Mare? - Dr. Michelle Leblanc
3:30 p.m. - 4:00 p.m. Break – Visit the Exhibit Hall
4:00 p.m. - 4:30 p.m. Research Update: Mare - Dr. Dale Paccamonti
4:30 p.m. - 6:00 p.m. Clinical Case Presentations - Drs. Dave Hartman, Irwin Liu, Michelle Leblanc, Reed Holyoak

EXTRA SESSION – TRACK 1

12:00 p.m. - 1:00 p.m. Bovine Abstracts (Lunch Provided - Limited Number)
12:30 p.m. - 1:30 p.m. Equine Abstracts (Lunch Provided - Limited Number)
1:30 p.m. - 4:30 p.m. Visit the Exhibit Hall

EXTRA SESSION – TRACK 2

11:00 a.m. - 12:00 p.m. Vaginal Cytology – Dry Lab – Canine/Feline - Drs. Carlos Pinto, Kirk Esmond, Kara Kolster, Rebecca Kestle, Dietrich Volkman
12:00 p.m. - 1:30 p.m. Lunch on Your Own
2:00 p.m. - 2:30 p.m. How To: Camelid/Small Ruminant
3:30 p.m. - 4:00 p.m. Break – Visit the Exhibit Hall
4:00 p.m. - 4:30 p.m. Endometrial Biopsy – Basics of Interpreting Biopsies - Dr. Don Schlafer
4:30 p.m. - 5:30 p.m. Endometrial Biopsy – Dry Lab – All Species

CONVENTION EXHIBITORS & SPONSORS (As of 5/22/08)

Thank you to the following Exhibitors and Sponsors Who help make the Therio convention a great success!

Alkoa Ultrasound Lane Manufacturing
Animal Reproduction Systems Medical Electronic Systems
ChemoMetec MILA International
Fertility Technology Resources Minitube of America
Fort Dodge PRN Pharmaceutical
Elsevier Rocky Mountain Microscope Corp.
I.M.V. International Synbiotics Corp.
Intervet-Part of Schering Universal Ultrasound
Plough Corp. Zerlotti Equine Reproduction
Jorgensen Laboratories

Thank you to INTERVET for being a Platinum-PLUS Sponsor of the 2008 Therio Conference & Symposia
FRIDAY – AUGUST 15th, 2008

SMALL ANIMAL – TRACK 1

7:00 a.m.- 7:30 a.m. Do You Want To Become A Diplomate?
7:00 a.m.- 5:00 p.m. Registration
7:15 a.m.- 8:00 a.m. Continental Breakfast – Exhibit Hall
8:00 a.m.- 9:00 a.m. Medical Management of Dystocia - Canine/Feline - Dr. Scott Pretzer
9:00 a.m.- 9:30 a.m. Surgical Management of Dystocia - Canine/Feline - Dr. Anne Traas
9:30 a.m.- 10:00 a.m. Resuscitation of Neonates - Dr. Anne Traas
10:00 a.m.- 10:30 a.m. Break – Visit the Exhibit Hall
10:30 a.m.-11:00 a.m. Pathophysiology of CEH/Pyometra - Dr. Don Schlafer
11:00 a.m.-11:30 a.m. Diseases of the Canine Endometrium: Is There Prognostic Values in Culture and/or Biopsy? - Dr. Don Schlafer
11:30 a.m.-12:00 p.m. Clinical Presentation of Mucometra and Pyometra - Dr. Scott Pretzer
12:00 p.m.-1:30 p.m. Lunch on Your Own
1:30 p.m.- 2:00 p.m. Mucometra, Hydrometra, Hematometra - What Does it Mean to Future Fertility - Dr. Karine Oncin-Verstegen
2:00 p.m.- 2:30 p.m. Medical Management of Pyometra – Fundamentals of Therapy - Dr. John Verstegen
2:30 p.m.- 3:00 p.m. Medical Management of Pyometra – Additional Treatment - Dr. John Verstegen
3:00 p.m.- 3:30 p.m. Medical and Surgical Management of Bitches Who Relapse with Pyometra - Dr. John Verstegen
3:30 p.m.- 4:00 p.m. Break – Visit the Exhibit Hall
4:00 p.m.- 4:30 p.m. Anatomy and Physiology of the Prostate - Dr. Jack Smith
4:30 p.m.- 5:00 p.m. Infectious Prostatic Disease - Dr. Jack Smith
5:00 p.m.- 5:30 p.m. Non-Infectious Prostatic Disease - Dr. Jack Smith
5:30 p.m.- 6:00 p.m. Neoplasia of the Prostate - Dr. Jack Smith

SMALL ANIMAL – TRACK 2

7:00 a.m.- 7:30 a.m. Do You Want To Become A Diplomate?
7:00 a.m.- 5:00 p.m. Registration
7:15 a.m.- 8:00 a.m. Continental Breakfast – Exhibit Hall
8:00 a.m.- 9:00 a.m. Interpreting Vaginal and Semen Cultures - Drs. Jack Smith, Jeanine Woods, Melissa Goodman
9:00 a.m.- 10:00 a.m. Monitoring and Supplemeting Progesterone During Pregnancy - Drs. Dale Paccamonti, John Verstegen, Kit Kampschmidt
10:00 a.m.-10:30 a.m. Break – Visit the Exhibit Hall
10:30 a.m.-11:00 a.m. Adding TCI to Your Practice - Drs. Ana Adams, Ray Calkins, Ann Huntington
11:00 a.m.-11:30 a.m. Adding Semen Freezing to Your Practice - Drs. Mary Ann Sheller, Anita Migday, Dana Bleifer
11:30 a.m.-12:00 p.m. How-to and Practice Tips Session - Dr. Carlos Pinto
12:00 p.m.-12:30 p.m. Break – Visit the Exhibit Hall
12:30 p.m.-1:00 p.m. Unusual Reproductive Pathology of the Male – Cases - Drs. Don Schlafer, Cheryl Lopate (Boxed Lunch - Limited Number)
1:00 p.m.-1:30 p.m. Unusual Reproductive Pathology of the Female – Cases - Drs. Don Schlafer, Peggy Root Kustritz (Boxed Lunch - Limited Number)
1:30 p.m.-2:30 p.m. News Hour – Female and Male - Drs. Cathy Gartley, Peggy Root Kustritz
2:30 p.m.- 3:00 p.m. Abnormal Cycles and Anovulation – Cases - Drs. Cathy Gartley, Sara Lyle, Kit Kampschmidt
3:30 p.m.- 4:00 p.m. Break – Visit the Exhibit Hall
4:00 p.m.- 5:00 p.m. Anesthetic Protocols and Pain Management for C-section - Drs. Anne Traas, Kirk Esmond, Steve Escobar

continued on page 6
In order to take advantage of the discounted rate for the annual Therio convention you must reserve your hotel room by July 15, 2008. Prices below are good from August 8, 2008 thru August 18, 2008.

**RESERVE EARLY – Rooms may be sold out at discounted rate prior to July 15, 2008**

- $155 per night Single/Double Occupancy
- $180 per night Triple Occupancy
- $205 per night Quadruple Occupancy

**Call 1-800-233-1234 for reservations**

Discount Deadline
July 15, 2008
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 a.m.</td>
<td>Endometrial Cytology – Dry Lab – Equine (Bovine, Canine)</td>
</tr>
<tr>
<td>12:00 p.m.</td>
<td>Lunch on Your Own</td>
</tr>
<tr>
<td>1:00 p.m.</td>
<td>Sperm Defects and Their Effects on Fertility - All Species</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>Sperm Morphology - Dry Lab - All Species</td>
</tr>
<tr>
<td>2:30 p.m.</td>
<td>Break</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>Wet Lab Breakout Sessions</td>
</tr>
<tr>
<td>3:00 p.m.</td>
<td>1) Ultrasonography of the Non-Pregnant Bitch</td>
</tr>
<tr>
<td>3:45 p.m.</td>
<td>2) Gestational Aging</td>
</tr>
<tr>
<td>4:30 p.m.</td>
<td>3) Fetal Maturation</td>
</tr>
</tbody>
</table>

**SATURDAY – AUGUST 16TH, 2008**

**FOOD ANIMAL (BOVINE)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:15 a.m.</td>
<td>Continental Breakfast</td>
</tr>
<tr>
<td>8:00 a.m.</td>
<td>Update of Bovine Congenital Abnormalities - Dr. Brian Whitlock</td>
</tr>
<tr>
<td>9:00 a.m.</td>
<td>Review of Pregnancy- Associated Glycoproteins and Pregnancy Wastage in Cattle - Dr. Brian Whitlock</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>Break</td>
</tr>
<tr>
<td>10:30 a.m.</td>
<td>Interpretation of Diagnostic Tests – Dr. Bob Larson</td>
</tr>
<tr>
<td>11:30 a.m.</td>
<td>Lunch on Your Own</td>
</tr>
<tr>
<td>12:30 p.m.</td>
<td>Epidemiology &amp; Disease Control in Beef Practice - Dr. Bob Larson</td>
</tr>
<tr>
<td>1:30 p.m.</td>
<td>Beef Heifer Development – Dr. Terry Engelken</td>
</tr>
<tr>
<td>2:30 p.m.</td>
<td>Beef Bull Development – Dr. Terry Engelken</td>
</tr>
</tbody>
</table>

**SMALL ANIMAL SYMPOSIUM**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>Canine Pediatrics: Understanding the Five Critical Transitions - Dr. Dennis Lawler – Nestle-Purina</td>
</tr>
<tr>
<td>10:30 a.m.</td>
<td>Break</td>
</tr>
<tr>
<td>10:45 a.m.</td>
<td>Supplements for Pregnant and Lactating Bitches - Dr. Deb Greco – Nestle-Purina</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>Supplements for Puppies from 4 Weeks to 12 Months - Dr. Deb Greco – Nestle-Purina</td>
</tr>
<tr>
<td>11:45 a.m.</td>
<td>Lunch on Your Own</td>
</tr>
<tr>
<td>1:00 p.m.</td>
<td>Ultrasonography of the Normal Non-Pregnant Reproductive Tract - Dr. John Verstegen</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>Ultrasonography for Gestational Aging and Fetal Maturation - Dr. Cheryl Lopate</td>
</tr>
</tbody>
</table>
2008 Therio / ACT Annual Conference & Symposia (Continued)

ALPACA BREEDER SEMINAR

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 a.m.- 7:50 a.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>8:00 a.m.- 9:00 a.m.</td>
<td>Nutritional Management in Alpaca Herds - Dr. Bob Van Saun</td>
</tr>
<tr>
<td>9:00 a.m.-10:00 a.m.</td>
<td>Biosecurity and Herd Health Program - Dr. David Pugh</td>
</tr>
<tr>
<td>10:00 a.m.-10:30 a.m.</td>
<td>Break</td>
</tr>
<tr>
<td>10:30 a.m.-11:30 a.m.</td>
<td>Reproductive Management and Infertility in Alpacas- Dr. Ahmed Tibary</td>
</tr>
<tr>
<td>11:30 a.m.-12:00 p.m.</td>
<td>Discussion, Questions and Answers</td>
</tr>
<tr>
<td>12:00 p.m.- 1:30 p.m.</td>
<td>Lunch on Your Own</td>
</tr>
<tr>
<td>1:30 p.m.- 3:00 p.m.</td>
<td>Pregnancy and Birthing Complications - Dr. Ahmed Tibary</td>
</tr>
<tr>
<td>3:00 p.m.- 3:30 p.m.</td>
<td>Break</td>
</tr>
<tr>
<td>3:30 p.m.- 4:30 p.m.</td>
<td>Care of the Newborn Cria - Dr. David Pugh</td>
</tr>
<tr>
<td>4:30 p.m.- 5:30 p.m.</td>
<td>Panel Discussion, Questions and Answers</td>
</tr>
</tbody>
</table>

CANINE BREEDER’S SYMPOSIUM

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.- 8:15 a.m.</td>
<td>Welcome - Dr. Cheryl Lopate</td>
</tr>
<tr>
<td>8:15 a.m.- 8:45 a.m.</td>
<td>Considerations for Use of Chilled Semen - Dr. George Seier</td>
</tr>
<tr>
<td>8:45 a.m.- 9:15 a.m.</td>
<td>Considerations in the Use of Frozen Semen - Dr. George Seier</td>
</tr>
<tr>
<td>9:15 a.m.-10:15 a.m.</td>
<td>Breeding Options in the Bitch - Dr. Rebecca Kestle</td>
</tr>
<tr>
<td>10:15 a.m.-10:30 a.m.</td>
<td>Break</td>
</tr>
<tr>
<td>10:30 a.m.-11:30 a.m.</td>
<td>Mastitis and Common Mammary Disorders of the Pregnant and Non-Pregnant Bitch - Dr. Anne Traas</td>
</tr>
<tr>
<td>11:30 a.m.-12:30 p.m.</td>
<td>Postpartum Disorders - Dr. Kirk Esmond</td>
</tr>
<tr>
<td>12:30 p.m.- 1:30 p.m.</td>
<td>Lunch</td>
</tr>
<tr>
<td>1:30 p.m.- 2:00 p.m.</td>
<td>Misconceptions about Nutrition – Dr. Deb Greco</td>
</tr>
<tr>
<td>2:00 p.m.- 2:30 p.m.</td>
<td>How to Read and Understand a Dog Food Label - Dr. Deb Greco</td>
</tr>
<tr>
<td>2:30 p.m.- 3:15 p.m.</td>
<td>Regulatory Issues Regarding Canine Reproduction - Dr. Jerry Eber</td>
</tr>
<tr>
<td>3:15 p.m.- 3:30 p.m.</td>
<td>Break</td>
</tr>
<tr>
<td>3:30 p.m.- 4:30 p.m.</td>
<td>OFA vs Penn Hip - Dr. Ray Calkins</td>
</tr>
<tr>
<td>4:30 p.m.- 5:30 p.m.</td>
<td>Abnormalities of the Estrous Cycle - Dr. Scott Pretzer</td>
</tr>
</tbody>
</table>

BOVINE SYMPOSIUM & WETLAB—PURINA RESEARCH FARM

*Thursday’s Bovine Conference Session will be Pre-Symposia Lectures

FRIDAY – AUGUST 15, 2008

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 a.m.</td>
<td>Leave Hyatt Regency St. Louis</td>
</tr>
<tr>
<td>8:30 a.m.</td>
<td>Arrive at Purina Farms</td>
</tr>
<tr>
<td>8:40 a.m.-8:50 a.m.</td>
<td>Introduction and Welcome - Drs. Bob Carson / Dwight Wolfe</td>
</tr>
<tr>
<td>8:50 a.m.-9:15 a.m.</td>
<td>Discussion of Therio BSE Form and 10 Years of Information - Dr. Bob Carson</td>
</tr>
<tr>
<td>9:15 a.m.-10:00 a.m.</td>
<td>Diagnosis and Management of Bull Penis and Prepuce Problems that Prevent Breeding - Dr. Dwight Wolfe</td>
</tr>
<tr>
<td>10:00 a.m.-11:00 a.m.</td>
<td>Grab snack – Rotate to First Lab</td>
</tr>
<tr>
<td>11:00 a.m.-12:00 p.m.</td>
<td>Rotate Labs</td>
</tr>
<tr>
<td>12:00 p.m.-1:00 p.m.</td>
<td>Lunch @ Main Hall</td>
</tr>
<tr>
<td>1:00 p.m.- 2:00 p.m.</td>
<td>Rotate Labs</td>
</tr>
<tr>
<td>2:00 p.m.- 3:00 p.m.</td>
<td>Rotate Labs</td>
</tr>
<tr>
<td>3:00 p.m.- 3:30 p.m.</td>
<td>Break @ Main Hall</td>
</tr>
<tr>
<td>3:30 p.m.- 4:30 p.m.</td>
<td>Wrap up-(questions answers and general discussion)</td>
</tr>
<tr>
<td>4:30 p.m.</td>
<td>Load buses for hotel</td>
</tr>
<tr>
<td>5:30 p.m.</td>
<td>Arrive @ hotel</td>
</tr>
</tbody>
</table>

Lab 1 - Drs. Albert Barth / Dick Saacke
Evaluation of Fresh & Frozen Semen Concentrate; Slide prep/Stains; Morphology

Lab 2 - Drs. Dwight Wolfe / Bob Carson
Breeding Soundness Exam; Structural Evaluation; Collection and Handling of Semen; Discussion of Equipment

Lab 3 - Drs. Dan Givens/David Christiansen
Ancillary Testing; Evaluation of Testes; Ultrasound; Perform Trich/Proper Handling of Cultures

Lab 4
Purina Farm Tour – (and, if time allows discussion of micro-minerals and reproductive performance)
Competitive Abstracts

**WEDNESDAY, AUGUST 13th**

9:00 a.m.-9:20 a.m.  Anti-luteogenic and luteolytic effects of PGF2α during the post-ovulatory period in mares - Cristiane Rubio, DVM, Thero Resident

9:20 a.m.-9:40 a.m.  Comparison of 3 doses of reFSH for superovulation of mares - Catherine A. DeLuca, DVM

9:40 a.m.-10:00 a.m. Efficacy of medroxyprogesterone acetate in suppression of estrus behavior and follicular activity in cycling mares - Erica Gee, BVSc, PhD

10:00 a.m.-10:20 a.m. Soluble adenylate cyclase generated cAMP acts via protein kinase A and not Epac 1/2 to direct capitation-associated protein tyrosine phosphorylation in stallion sperm - Lori A. McPartlin, BA, MS

10:20 a.m.-10:40 a.m. Luteinizing hormone–induced release by kisspeptide in primary cultures of equine pituitary cells - Christianne Magee, DVM, MS, DACT

10:40 a.m.-11:00 a.m. Evaluation of cryopreserved-thawed stallion sperm before and after density-gradient centrifugation with silane-coated silica particles (EquiPure®) - Anja Stoll, DVM

**Bovine Abstracts**

**THURSDAY, AUGUST 14th**

12:00 p.m.-12:15 p.m. An estimate of the normal variation in the sperm DNA fragmentation index of Holstein bulls and its association with serum testosterone and prolactin over 2 spermatogenic cycles – Ramanathan Kasimanickam, BVSc, DVMSc, DACT

12:15 p.m.-12:30 p.m. Comparison of one vs. two doses of prostaglandin F2 alpha in a 5-day progesterone-based synchronization protocol in Angus-cross beef cows - Ramanathan Kasimanickam, BVSc, DVMSc, DACT

12:30 p.m.-12:45 p.m. Performance evaluation of the SQA-Vb automated sperm quality analyzer for bulls - Uri Shalit, DVM

12:45 p.m.-1:00 p.m. Assessing cryocapacitation in frozen-thawed bovine sperm from a commercial bull stud - Marc G. Knobbe, DVM, MPH

**Equine Abstracts**

**THURSDAY, AUGUST 14th**

12:30 p.m.-12:45 p.m. Can vaginal electrical impedance be used to characterize estrus and ovulation in the mare? - Jennifer E. Larsen, PhD Candidate

12:45 p.m.-1:00 p.m. Effect of centrifugation on equine spermatozoa motility, plasma membrane integrity and acrosomal integrity immediately and after cooling for 24 hours - Jose A. Len, MVZ, Thero Resident

1:00 p.m.-1:15 p.m. Serum concentrations of ergovaline/ergot alkaloids in late-term pregnant mares grazing endophyte-infected tall fescue pastures: a preliminary report - Peter L. Ryan, PhD

1:15 p.m.-1:30 p.m. Safety and efficacy against uterine infections of an equine in–transal Salmonella vector vaccine - Robert C. Causey DVM, PhD, DACT

**Happy Hour Abstracts**

**TUESDAY, AUGUST 12th**

5:00 p.m.-5:15 p.m. Relationship between testicular measurements using calipers or ultrasonography with testicular weight in alpacas (Vicugna pacos) - N. Isaac Bott

5:15 p.m.-5:30 p.m. A quantifiable biochemical marker for cold shock damage to porcine sperm. - Hannah Galantino-Homer, VMD, PhD, DACT

5:30 p.m.-5:45 p.m. Effect of cryopreservation medium on post-thaw viability of equine testicular cells - Maria S. Ferrer, DVM, MS, DACT

5:45 p.m.-6:00 p.m. Separation of viable, motile sperm from red blood cells and dead spermatozoa: a comparison of four density-gradient centrifugation media in the dog - Tameka C. Phillips, MS

6:00 p.m.-6:15 p.m. Effect of follicular fluid on the developmental competence of dromedary (Camelus dromedarius) oocytes obtained from small follicles. - Ahmed Tibary, DVM, PhD, DACT

6:15 p.m.-6:30 p.m. Effects of recovery technique, freezing extender and antioxidants on motility parameters of cryopreserved stallion epididymal sperm - Marco A. Coutinho da Silva, DVM, PhD, DACT

6:30 p.m.-6:45 p.m. Post-thaw quality of canine semen cryopreserved with commercial canine and equine semen extenders - Shannon Ann Layne

6:45 p.m.-7:00 p.m. Use of a vital fluorescent stain to identify apoptosis in bovine oocytes - Sandra L. Ayres, DVM, MA, DACT

**2008 Student Case Presentations**

**WEDNESDAY, AUGUST 13th**

3:30 p.m.-3:45 p.m. Diagnosis, treatment, and histological identification of an ovarian leiomyoma in a Vietnamese Pot-Bellied Pig - Megan Anderson and Elizabeth Coffman – University of Tennessee

3:45 p.m.-4:00 p.m. Removal of a bovine mummified fetus via colpotomy - Heather Avery – Auburn University

4:00 p.m.-4:15 p.m. Signs, diagnosis, surgical options, and future prognosis of a 21-year-old mare with granulosa-theca cell tumor - Kathleen Scarlett Black – Auburn University

4:15 p.m.-4:30 p.m. Epididymitis due to Comamonas testosteroni and Pseudomonas alcaligenes infection in a Quarter Horse stallion - Jessica Elizabeth Byrd – University of Missouri

4:30 p.m.-4:45 p.m. Breeding-related full-thickness vaginal tear with associated peritonitis - Justin Phillips – University of Florida

4:45 p.m.-5:00 p.m. Tibial hemimelic presentation, testing and inheritance - Joneta Tabor – Auburn University
Intervet Offers Second Annual Student Symposium – Getting Ready for the Real World!

As part of the Therio & ACT Annual Conference & Symposia in St. Louis, Missouri August 12–16, Intervet invites students to take the first step toward preparing for clinical rotations and your future life in veterinary practice with comparative interactive case challenges in equine, bovine, companion animal, swine, and small ruminant plus a career paths roundtable.

Thursday, August 14, 2008
2:00 PM – 3:20 PM Session A
Interactive Case Challenge:
Evaluation and Diagnostic Tools of the Male/Female Reproductive Exam

3:30 PM – 4:55 PM Session B
Interactive Case Challenge:
Utilizing Estrus Manipulation and Artificial Insemination Protocols

Friday, August 15, 2008
2:00 PM – 3:20 PM Session A
Interactive Case Challenge:
Managing Reproductive Emergencies

3:30 PM – 5:00 PM Session B
Career Paths Roundtable:
Opportunities for Theriogenologists

5:00 PM – 7:30 PM
Intervet/SFT/ACT Student Reception

Intervet invites 3rd and 4th year students to register now for a chance to get a $200 travel stipend.* Comprehensive proceedings will be available in the fall of 2008, free to all 3rd and 4th year veterinary students

*Offer limited to first 50 registrants. Must be a SFT student chapter member! Select “Enroll for Travel Stipend” under Intervet Veterinary Student Symposium when you register at www.therio.org. You’ll receive an e-mail notification if you are among the registrants to receive the stipend.

Annual Therio Conference and Symposia/Companion Tours

Thursday, August 14, 2008
The Anheuser-Busch Connection 9:00 a.m. – 3:30 p.m.

Your day will begin with a visit to Grant’s Farm, the 281-acre estate of the late August A. Busch, Jr., which is owned and operated by Anheuser-Busch Companies and includes a visit to the Clydesdale stallion barn. Then stroll to the historic Bauernhof, built just after the turn of the century. Here you will have a chance to enjoy refreshments while viewing the elegant stables and one of the largest carriage collections. Your air conditioned motor coach will then take you for lunch to the historic German restaurant Bevo Mill, located in South St. Louis. Bevo Mill was completed in 1916 and was designed by August Busch, Sr.

En route to the King of Beers-the Anheuser-Busch Brewery, your tour guide will familiarize you with the rich history of the colorful Busch family. Situated in a complex with over 70 red brick structures on 100 acres, the brewery buildings are known for their unique architecture and several are National Historic Landmarks.

During the tour you will see the world famous Clydesdales, the fermentation building, the packaging and bottling plant, and the brew house. To complete your day of the Anheuser-Busch Connection you will stop in the hospitality room to sample the family of Anheuser-Busch products.

A great way to spend the day with lunch included for just $54 per person

Friday, August 15, 2008
Majestic St. Louis Tour 9:00 a.m. – 3:00 p.m.

Experience the majestic side of St. Louis through two of its most influential neighborhoods, the Central West End and Midtown. Your first stop is Cupples House located on the grounds of St. Louis University, the oldest university west of the Mississippi. Cupples House is a forty-two room mansion built by Samuel Cupples, a successful wood merchant in 1889. You will view a lavish interior which includes intricately carved paneling of imported woods, parquet floors and fine examples of Tiffany stained glass.

Next, experience the fabulous Fox Theater in style. Built in 1929 as a movie theater at a cost of six million dollars, the Fox Theater was built by William Fox of 20th Century Fox fame. Restored and reopened in 1982, the Fox now hosts concerts and Broadway musicals. You will dine in the exclusive Fox Club located on the landing of the grand staircase which offers a glorious panorama of the lobby. A tour of the theater including backstage access will complete your visit.

Following your visit to the Fox Theater your air conditioned motorcoach will take you to the St. Louis Cathedral, known to St. Louisans as the New Cathedral. Here you will be amazed by one of the largest collections of mosaics in the world – more than 84,000 square feet in 8,000 shades of glass! The tine pieces of stone and glass portray scenes from both the Old and New Testaments, the life of Saint Louis IX, King of France, and many men and women prominent in the history of St. Louis.

A day of fabulous historic beauty and a delicious meal all for only $80 per person.

Register for one or both of these tours online at www.therio.org. Registration deadline is July 14th. Tours are subject to cancellation if minimum number of registrants is not met. Full refunds offered if cancellation occurs.
2008 Therio Annual Conference & Therio/ACT Symposia
REGISTRATION FORM
Hyatt Regency Hotel – Union Station, St. Louis, Missouri
August 12th – 16th, 2008

NAME: ____________________________
FIRST NAME FOR NAME TAG:_________
BUSINESS / CLINIC NAME: ____________

STREET ADDRESS: __________________ P.O. BOX __________________

CITY: __________________ STATE: _______ ZIP / POSTAL CODE: __________

COUNTRY: __________________ PHONE: (______) ____________ E-MAIL: ___________

FAX: (______) ____________________

Are you a first time attendee to the Therio conference? Yes [ ] No [ ]

* How did you hear about the Therio/ACT Annual Conference & Symposia?
[ ] Email from SFT  [ ] Mailer from SFT  [ ] Ad in DVM Magazine
[ ] Heard about Conference from Colleague

* Conference attendees may be posted on the Therio website. If you do NOT want your name listed mark here.

Register for the General Conference & Qualify for Member Fee When Registering for Any of the Symposia

By July 2________After July 2________

General Conference (Tuesday – Saturday / August 12th – 16th)
Member (Society for Therio.) $345.00 $415.00 $________
Vet. Technician * $345.00 $415.00 $________
Non-Member $455.00 $525.00 $________
Therio Student Member $40.00 N/C $________

Track (Please pick one – you may change at any time during conference)

Equine  Small Animal  Food Animal

*Technicians must be registered by a Veterinarian who is attending the Conference.
Tech’s Name: ____________________________

Bovine Symposia (Friday, August 15th)
*Attendance on space available basis.

*Ticket Required

By July 2________After July 2________

Discount Rate for Conference Registrants $175.00 $245.00 $________
Member (Society for Therio.) $300.00 $370.00 $________
Non-Member $410.00 $480.00 $________
Vet-Technician * $300.00 $370.00 $________
Therio Student Member $50.00 $120.00 $________

Small Animal Symposia – Wet Lab (Saturday, August 16th)

Discount Rate for Conference Registrants $100.00 $170.00 $________
Member (Society for Therio.) $300.00 $370.00 $________
Vet-Technician * $300.00 $370.00 $________
Non-Member $410.00 $480.00 $________
Therio Student Member $50.00 $120.00 $________

Small Animal Symposia – Wet Lab ( Saturday, August 16th)

• Attendance on space available basis
• Small Animal Lecture is required
• General Conference attendees have first priority
• Ticket Required

Theriogenologist of The Year Award Dinner (Thursday, August 14th)
• Ticket is required to attend
• Open to all Conference attendees, students and exhibitors

$20.00/pp $________

Family Night at the St. Louis Zoo (Wednesday, August 13th)
• Ticket is required to attend
• Open to all Conference attendees, students and exhibitors

Adult $30.00/pp $________
Children ages 4 – 12 $15.00/pp $________
Children ages 1 – 3 N/C $________

Companion Tours (Thursday & Friday – August 14th & 15th)

Ticket is required to attend
Minimum number of attendees for each tour
Lunch is provided on each tour
Must register for tour before July 14th, 2008
Tours subject to cancellation by Tour Company or SFT; full refund provided

Grand’s Farm (Anheuser Busch Connection Tour) Thursday, August 14th
$54.00/pp $________

Majestic St. Louis Tour – Friday, August 15th
$80.00/pp $________

Payment Information
You may register via fax (314-270-3399) or the Therio website (www.therio.org) if you are paying by Visa, MasterCard or American Express. Otherwise, please mail your payment and completed Registration Form to:
Society for Theriogenology
P.O. Box 3007
Montgomery, AL 36109

Fees are due and payable to the Society for Theriogenology only in U.S. Funds drawn U.S. Banks. Please indicate your method of payment:
[ ] Check  [ ] Visa  [ ] MasterCard  [ ] American Express

Card Number
3 digit code on back of card
Expiration Date

Cardholder’s Name

Billing Address on Card

Spring 2008 Newsletter 11
Ina Dobrinski Selected 2008 Theriogenologist of the Year

Ina Dobrinski, D.V.M., Ph.D, DIPL-ACT, has been selected to receive the “Theriogenologist of the Year” award for 2008 according to an announcement by Dr. Ahmed Tibary, Awards Committee Chairman of the American College of Theriogenologists. Dr. Dobrinski is the 9th recipient since the award was established in 1999.

Dr. Dobrinski is being recognized for her contributions to the field of Theriogenology as an expert in andrology and an outstanding researcher. Those who nominated Dr. Dobrinski all mentioned her ability to be a mentor for others, both seasoned Theriogenologists and those who are young trainees. In 1987 Dr. Dobrinski became a Graduate Veterinarian of the Hannover College of Veterinary Medicine in Hannover, Germany. In 1989 she received her Doctor of Veterinary Medicine, magna cum laude from the same university and went on to receive her Master of Veterinary Science from Western College of Veterinary Medicine, University of Saskatchewan, Canada in 1993. That same year she became a Diplomate in the American College of Theriogenologists. In 1997 she earned her Ph.D. from New York State College of Veterinary Medicine at Cornell University.

Dr. Dobrinski is the recipient of numerous awards including the 2004 Pfizer Award for Research Excellence.

Currently, Dr. Dobrinski is the Director of the Animal Transgenesis and Germ Cell Research, New Bolton Center, School of Veterinary Medicine, University of Pennsylvania, Kennett Square, PA., and the Associate Professor (with tenure) of Large Animal Reproduction. Dr. Dobrinski is also the Visiting Professor, Inner Mongolia University, Huhhot, Inner Mongolia, China.

Make plans to attend the Therio conference scheduled for August 12 -16 in St. Louis, Missouri at which time Dr. Dobrinski will be honored at the Therio Awards Banquet slated for 6:30 p.m., Thursday, August 14th.

Congratulations Dr. Dobrinski!

Whitmore Winner of Bartlett Award

Dr. Howard L. Whitmore, of Champaign, Illinois has been selected as the recipient of the 2008 Bartlett Award.

The award – intended to cement the efforts of the SFT and ACT toward common goals in animal reproduction, to reward and inspire excellence, improve the visibility of theriogenology, and to annually recognize the efforts of SFT’s and ACT’s charter members and diplomates – particularly honors Dr. David E. Bartlett, ACT’s first president. Among his many accomplishments Dr. Bartlett was responsible for deriving the terms “Theriogenologists” and “Theriogenology,” and was instrumental in gaining hard-won AVMA recognition for ACT and SFT in 1971.

Dr. Whitmore has decades of involvement in the affairs of theriogenology inter-laced with dairy husbandry and sciences. These are represented by his work with research projects, teaching, clinical affairs, graduate programs, academic positions, private practice, bovine genetics, extension work, international veterinary educational programs and wnership/management of a large, profitable dairy herd. He received his DVM from Oklahoma State University in 1960, and his MS and Ph.D from the University of Wisconsin in 1971 and 1973 respectively.

Dr. Whitmore worked in theriogenology at the University of Minnesota with Drs. Zemjanis, Mather, Gustafsson and Seguin. He earned full professor status. Beginning in 1980 he was the Chief of Food Animal Medicine and Surgery at the University of Illinois, a position he held for eleven years. He has written over 100 scientific papers and 5 book chapters.

In 1987 Dr. Whitmore served as President of the American College of Theriogenologists. Among his many contributions he was instrumental in developing an examination for the practitioner route.

As this year’s recipient of the Bartlett Award, Dr. Whitmore will be recognized at the annual Therio Conference in St. Louis, Missouri, August 12 – 16, 2008. The Bartlett presentation will take place on Wednesday, August 13 at 8:00 a.m.

Dr. Whitmore will receive a $1,000 cash award; roundtrip airfare to the annual convention; accommodations at the conference hotel; one complementary conference registration and a Nandi statue with wooden base and engraved panel.

Congratulations Dr. Whitmore for this well deserved recognition.

Student Grant Application Program Recipient

The Society for Theriogenology is pleased to announce the first recipient of grant funding through the new student grant application program. Ms. Brittany Beall from the University of Pennsylvania was awarded the funding with a project entitled “Influence of delivery methods on neonatal canine viability parameters”. Faculty advisors to Ms. Beall are Drs. Anne Traas and Maggie Casal.

The funding for this grant was generously donated by Anita Migday, DVM, MS, Director, Slade Veterinary Hospital and President, Board of Directors National Education for Assistance Dog Services (NEADS), and Ira C. Kaplan DVM, MS, Co-director, McGrath Animal Hospital and Medical Advisor, NEADS. The funding stipulates that monies be used to fund student research in canine reproduction. The grant monies are housed for the Society by the Alabama Veterinary Medical Foundation, with our thanks.

The Board of Directors encourages interested parties to donate funds for this student grant effort in hopes to expand the number of grants available and the variety of funded opportunities by species or discipline.

Queries about the grant process or how to donate funds should be directed to Dr. Peggy Root (rootk001@umn.edu) Chair, Student Granting Committee or Dr. Charles Franz, Executive Director, Society for Theriogenology (charles@franzmgmt.com).
Texas A&M Student Chapter News

By: Amanda McLeery, Vice-President Texas A&M Student Therio Chapter

The 2007-2008 school year got off to a great start with student members Abigail Casillo (4VM) and Catherine Clinton (3VM) placing 1st and 4th, respectively, with their student case presentations at the national Therio convention held in Monterey, California.

We kicked-off the fall semester with the annual meet-and-greet BBQ held at Dr. Dickson Varner’s beautiful home with good food, music, and conversation. Attendees included student members, residents, faculty, and technicians, making it a great chance for our new members to get to know everyone.

The yearly tract session was held in September to get students familiar with reproductive anatomy prior to live mare palpation labs that were held throughout the year. Two mare palpation labs were held in the fall and three in the spring, giving ample hands-on palpation opportunities to all active members.

This year monthly Therio rounds were introduced in addition to regular rounds that are held in conjunction with the student AAEP chapter. These informal gatherings have been very informative with great discussions generated between students, residents, and faculty members. Topics covered have included equine stallion reproduction topics such as hemospermia, urospermia, blocked ampulla, decreased libido, collection techniques, semen evaluation, urethrotomy techniques, and endoscopy of the male urinary tract; female reproduction topics included endometritis, age related changes in fertility, monitoring of the pregnant at-risk mare, and more.

Evening chapter meetings included topics on a wide variety of species including pig reproduction, equine viral arteritis, canine sperm collection, equine cloning, dairy reproduction, and white-tailed deer reproduction.

There were abundant hands-on opportunities for members this year:

A fall field trip was taken to Genetic Resources International and Sexing Technologies (GRI/ST) located outside of Navasota, TX. Students learned about the bovine breeding soundness exam and the latest technologies available in the field of bovine semen collection and artificial insemination. The trip included a tour of the facility and short lecture on semen sexing and the breeding soundness exam by the on-staff veterinarian.

Approximately twelve members had the opportunity to be present in the surgery suite with Drs. Arnold and Whitfield as they performed a standing laparoscopic cryptorchid surgery. It was an excellent way to see the abdominal anatomy and everyone had a great view of the procedure on the endoscopy viewing screen.

An equine fetal ultrasound wet lab was added for the 2007-2008 school year. Students were given the opportunity to observe an ultrasound examination, measuring the biophysical profile of a late gestation mare, and then were each able to practice transcutaneous ultrasonography.

Evening chapter meetings included topics on a wide variety of species including pig reproduction, equine viral arteritis, canine sperm collection, equine cloning, dairy reproduction, and white-tailed deer reproduction.

There were abundant hands-on opportunities for members this year:

A fall field trip was taken to Genetic Resources International and Sexing Technologies (GRI/ST) located outside of Navasota, TX. Students learned about the bovine breeding soundness exam and the latest technologies available in the field of bovine semen collection and artificial insemination. The trip included a tour of the facility and short lecture on semen sexing and the breeding soundness exam by the on-staff veterinarian.

Approximately twelve members had the opportunity to be present in the surgery suite with Drs. Arnold and Whitfield as they performed a standing laparoscopic cryptorchid surgery. It was an excellent way to see the abdominal anatomy and everyone had a great view of the procedure on the endoscopy viewing screen.

An equine fetal ultrasound wet lab was added for the 2007-2008 school year. Students were given the opportunity to observe an ultrasound examination, measuring the biophysical profile of a late gestation mare, and then were each able to practice transcutaneous ultrasonography.
SAVMA Attendees Participate in Palpation Team Test

Members of the Student Chapters of the American Veterinary Medical Association (SAVMA) participated in a palpation team test held at Auburn University in Auburn, Alabama during the SAVMA Annual Symposium March 20-22, 2008.

Five teams competed in the final round of the competition. They included students from the following universities:

Colorado State
Brandon Frass
Annie Schultz
Emily Reppert
Aaron Langley

Kansas State
Adam Smith
Nadine Tedford
Rachel Johnson
Garret Stewart

Texas A&M
Mark Birkenfeld
Gerald Johnson
Rebecca Carden
Charles Collins

Virginia Tech
Brooke Riddinger
Jennifer Crain
Stacie Boswell
Weston Mims
Sarah Krall
Tiffany Borjenson

Washington State
Travis White
Isaac Bott
Kelsey Owen
Daniel Johnson

Awards were given for the top three teams and the top three individuals, and included gift cards from Land’s End Business Apparel ranging from $30 to $50. Each team member also received a Society for Theriogenology ball cap. Top three team winners were: 1st place—Texas A&M; 2nd place—Colorado State; 3rd place—Virginia Tech. Top three individual winners were: 1st place—Mark Birkenfeld of Texas A&M; 2nd place—Travis White of Washington State; 3rd place—Stacie Boswell of Virginia Tech.

Congratulations to everyone for a great competition!
Dear Colleagues:

I opened my message in the spring issue of the ACT Newsletter with comments about the heavy rains we were experiencing across the Midwest. Well we had a short pause in precipitation around here but are back at it again. Lakes across the Ozarks are at record levels and forcing maximum outflow from the dams. I suspect about August we will be wishing we had some of this currently abundant moisture.

By my calculations this will be the last message I write for the newsletter as your president. The annual meeting is fast approaching and I will turn the office over to Dr. Ahmed Tibary (ACT President Elect). The SFT is preparing a great conference and I am looking forward to our gathering in St. Louis.

Your executive board will meet immediately before the conference to continue working on some of the issues I reported on in the ACT Newsletter. The Exam Committee is set to administer the certifying exam to another robust group of candidates and we will announce the new diplomates at our annual business meeting.

You should have received your ballot for officers and directors by now. Please read the nominees’ bios (found in Spring 2008 ACT Newsletter) carefully and give thoughtful consideration to who you want to represent us and lead our college into the future. Make your selections and return it by June 16, 2008.

As always please consider volunteering to serve the college as opportunities present. Your efforts help make our College great. We also want your input. The Executive Board members are your representatives and before we meet again this summer in St. Louis we would like to hear from you about the issues we’re working on or other issues that may be of concern to you. The summer meeting will be here before you know it so don’t delay. We would like to take your comments and concerns into consideration as we set the agenda for our summer meeting. If you would like to contact any of the Executive Board members before our next meeting, please find our contact information in this newsletter or visit the ACT website (www.theriogenology.org).

Make plans now to attend the 2008 Annual Conference August 12-16 in St. Louis, MO. Be sure to allow time to attend the Therio Awards Banquet where we will recognize our Theriogenologist of the Year, Dr. Ina Dobrinski. Also, please plan to attend our annual business meeting and help us provide a warm welcome for the 2008 class of diplomates.

Take care and I hope to see you in St. Louis.

Dr. Gary Nie
ACT Class of 1993
DR ALEXANDER NAMED MISSISSIPPI VETERINARIAN OF THE YEAR

Dr. James Alexander of Yazoo City, Mississippi was honored recently by his colleagues by being selected as “Veterinarian of the Year” for 2008. To be eligible for this award an individual must be a member of the Mississippi VMA for at least five years, and have attended a majority of the meetings of the Association.

Dr. Alexander is also a long time member of the Society for Theriogenology serving as its President in 2001-2002. He has held numerous positions within the organization over the tenure of his membership and has for many years been the driving force behind the Student Case Presentations during the Therio Annual Conventions.

In being chosen as Mississippi’s Veterinarian of the Year, Dr. Alexander was cited for giving all of his service to young 4-H animal owners free of charge. He often makes calls to the state fairground during 4-H livestock shows to treat sick animals while providing young people with a wonderful view of the veterinary profession.

He has been recognized in Alabama with the “El Toro” award which is presented to an outstanding large animal practitioner alumnus of Auburn University College of Veterinary Medicine.

Dr. Alexander has served as a mentor and friend for many young veterinarians always encouraging them and emphasizing the importance of the science behind the decision making process. He has had numerous student preceptors through the years from both Mississippi State and Auburn.

One comment submitted on the nomination form for Dr. Alexander was acknowledgement of his “Absolute integrity in dealing with his clients and the public.” It was stated that if all veterinarians and future veterinarians were to aspire to live this one attribute as Dr. Alexander does, the future of veterinary medicine would never be in doubt.

Congratulations Dr. Alexander on this well deserved award!

---

Board Of Directors Candidates Announced

(continued from page 2)

reproduction from the University of Illinois in 1988. In 1989 Dr. Floyd became a Diplomate in the American College of Theriogenologists. He was Extension Veterinarian at Auburn University from 1988-2000, serving as Chair of the Department of Animal & Dairy Sciences from 1998-2000. His research was on reproductive consequences of hormone and implant treatments in heifers and bulls. In 2001 he became a department head at the North Carolina State, CVM. He has served on the NCBA Beef Quality Assurance Advisory Board since 1992 and was awarded the Norden Distinguished Teacher Award in 2008. In June, 2008 he is being called to active duty from the retired Army Reserve to conduct Veterinary Civil Affairs missions in Africa.

Dr. Donald E. Sanders graduated from Ohio State University in 1968 with a Doctor of Veterinary Medicine and immediately opened a mixed practice in Urbana, Ohio. In 1974 his clinic was recognized by Veterinary Economics as “Hospital of the Month” for its state-of-the-art design. He became Board Certified in Therio in 1981. In 2005 Dr. Sanders joined the faculty at Ohio State University College of Veterinary Medicine as a Clinical Associate Professor. The University purchased the large animal portion of his mixed practice and he continues to do field service while teaching students. Dr. Sanders has published a number of scientific papers and in 1990 wrote the first of seven books on dairy cattle management, which have since been translated into Spanish and Japanese. His second edition of the dairy reference “Milk Them for All Their Worth!” is scheduled to be released in Chinese in May, 2008. He previously served as treasurer on the ACT board of directors for three years. As he has matured in his career, Dr. Sanders says he is seeking to give back to the profession and serving on the Therio board would be his honor and pleasure.
Scientific Abstracts

Effect of repeated administration of oxytocin during diestrus on duration of function of corpora lutea in mares


This study was conducted to determine whether IM administration of exogenous oxytocin twice daily on days 7 to 14 after ovulation blocks luteolysis and causes prolonged function of corpora lutea (CL) in mares (n = 12). Beginning on the day of ovulation (day 0), jugular blood samples were collected every other day until day 40 for determination of progesterone concentration. On day 7, mares (n = 6/group) were treated with saline (0.9% NaCl) solution (control group) or oxytocin. Beginning on day 7, control mares received 3 mL of sterile saline solution every 12 hours, IM, and oxytocin-treated mares received 60 units of oxytocin every 12 hours, IM, through day 14. Mares were considered to have prolonged CL function if progesterone concentration remained > 1.0 ng/mL continuously through day 30. The proportion of mares with prolonged CL function was significantly higher in the oxytocin-treated group (6/6), compared with the control group (0/6). All control mares underwent luteolysis by day 16, at which time their progesterone concentrations were < 1.0 ng/mL. In contrast, all 6 oxytocin-treated mares maintained progesterone concentrations > 1.0 ng/mL continuously through day 30. The IM administration of 60 units of oxytocin twice daily on days 7 to 14 after ovulation was an efficacious method of inhibiting luteolysis and extending CL function in mares. Disrupting luteolysis by administering exogenous oxytocin during diestrus appears to be a plausible and practical method of long-term suppression of estrus in mares.

Ram effect: Adult rams induce a greater reproductive response in anestrous ewes than yearling rams


The introduction of rams to previously isolated anestrous ewes ensures induction of ovulation and estrus in part of the flock and allows for the potential to conceive. However, there is little known about the desirable characteristics of the rams used to induce these behavioral and physiological responses. Adult rams may be more effective than young rams in induction of these responses. The primary aim of the present study was to compare the response in ewes stimulated by adult or yearling rams. During the non-breeding season, 2 groups of 121 ewes were stimulated with adult rams (AR) or yearling rams (YR). When adult rams were used, significantly more ewes had ovulations (78.5% compared with 61.1%) and came into estrus (47.9% compared with 35.5%). There were more corpora lutea per ewe exposed to rams (0.95 ± 0.59 compared with 0.65 ± 0.51) and per ewe that had ovulations (1.18 ± 0.41 compared with 1.06 ± 0.25) and a greater conception rate (58.6% compared with 20.9%) as a result. Subsequently, to determine what signals led to the greater response to adult rams, the courtship behavior of adult and yearling rams toward anestrous ewes was compared in 46 pen tests. There were no significant differences in the frequency of any of the recorded courtship behaviors (anogenital sniffing: 21.9 ± 3.4 versus 25.7 ± 3.2; lateral approaches: 7.1 ± 1.5 compared with 9.9 ± 2.9; flehmen: 2.1 ± 0.4 compared with 2.2 ± 0.4; mount attempts: 0.1 ± 0.1 compared with 0.1 ± 0.1, for AR and YR, respectively), latency to the onset of courtship behavior (13.1 ± 7.0 seconds compared with 17.3 ± 6.2 seconds) or the time engaged in courtship behavior (173.1 ± 24.6 seconds compared with 199.0 ± 26.5 seconds). The difference in the signals produced by adult and yearling rams skin glands was assessed by stimulating ewes with masks containing wool from adult (n = 45) or yearling (n = 48) rams. More ewes had ovulations (24/45 compared with 11/48) and came into estrus (21/45 compared with 10/48) when wool from adult rams was used. As in experiment 1, pregnancy and conception rates were greater when adult rams were used. Another trial was designed to determine if there were differences in mating and mounting frequency between adult and yearling rams. Seven adult and 6 yearling rams were subjected to 3 pen tests each with 3 estrual ewes. Adult rams mounted more (21.7 ± 4.5 compared with 9.8 ± 0.7) and tended to ejaculate more frequently (2.9 ± 0.5 compared with 1.8 ± 0.4) than yearling rams. It is concluded that adult rams induce a greater reproductive response in anestrous ewes than yearling rams, inducing a greater ovulation percentage and estrous response in ewes, resulting in greater ovulation numbers, pregnancy and conception rates. This greater stimulation is, in part, explained by differences in the signals provided in the wool (presumably odors) produced by adult rams. The lower percentage of pregnancies obtained when yearling rams are used may be explained by differences in mounting behaviors and ejaculatory frequency.

Effects of plasma progesterone concentrations on LH release and ovulation in beef cattle given GnRH

Colazo, MG; Kastelic, JP; Davis, H; Rutledge, MD; Martinez, MF; Small, JA; Mapleton, RJ (2008) Dom. Anim. Endocrinol. 34, 109-117.

The effects of plasma progesterone concentrations on LH release and ovulation in beef cattle given 100 µg of GnRH IM were determined in 3 experiments. In experiment 1, heifers were given GnRH 3, 6, or 9 days after ovulation; 8/9, 5/9, and 2/9 ovulated (P < 0.02). Mean plasma concentrations of progesterone were lowest (P < 0.01) and of LH were highest (P < 0.03) in heifers treated 3 days after ovulation. In experiment 2, heifers received no treatment (Control) or 1 or 2 previously used CIDR inserts (Low-P4 and High-P4 groups, respectively) on day 4 (estrus = day 0). On day 5, the Low-P4 group received prostaglandin F2α (PGF) twice, 12 hours apart, and on day 6, all heifers received GnRH. Compared to heifers in the Control and Low-P4 groups, heifers in the High-P4 group had higher (P < 0.01) plasma progesterone concentrations on day 6 (3.0 ± 0.3, 3.0 ± 0.3 and 5.7 ± 0.4 ng/mL, respectively; mean ± SEM) and a lower (P < 0.01) incidence of GnRH-induced ovulation (10/10, 9/10, and 3/10). In experiment 3, 4 to 6 days after ovulation, 20 heifers and 20 suckled beef cows were given a once-used CIDR, the 2 largest follicles were ablated, and the cattle were allocated to receive either PGF (repeated 12 hours later) or no additional treatment (Low-P4 and High-P4, respectively). All cattle received GnRH 6 to 8 days after follicular ablation. There was no difference between heifers and cows for ovulatory response (77.7 and 78.9%, P < 0.9) or the GnRH-induced LH surge (P < 0.3). However, the Low-P4 group had a higher (P < 0.01) ovulatory response (94.7% versus 61.1%) and a greater LH surge of longer duration (P < 0.001).
conclusion, although high plasma progesterone concentrations reduced both GnRH-induced increases in plasma LH concentrations and ovulatory responses in beef cattle, the hypothesis that heifers were more sensitive than cows to the suppressive effects of progesterone was not supported.

Sire effect on the pregnancy outcome in beef cows synchronized with progesterone based Ovsynch and CO-Synch protocols


The objective was to determine the sire effect on the pregnancy outcome in beef cows in which stage of estrus was synchronized with progesterone based fixed-time artificial insemination (AI) protocols. Three Angus sires with more than 300 breedings were evaluated for differences in pregnancy outcome from 1868 inseminations. Angus cross beef cows (n = 1,868) were synchronized with Ovsynch-CIDR or CO-Synch-CIDR protocols for fixed-time AI. Cows in both groups that showed estrus on day 9 before 1500 hours were designated to Selectsynch-CIDR group and were inseminated according to the AM-PM rule. Results indicated that sire 2 had a lower fixed-time AI pregnancy rate, compared to sire 3 (48.1% versus 58.7%; P = 0.01). Significant sire x synchronization program and sire x location interactions were observed for fixed-time AI (P < 0.05). Sire 2 had a lesser fixed-time AI pregnancy in both Ovsynch-CIDR and CO-Synch-CIDR groups, compared to sire 3. In 2 of 4 locations, sire 2 had a lesser fixed-time pregnancy rate, compared to sire 3. No sire differences were observed in AI pregnancy for cows in Selectsynch-CIDR group. In conclusion, evidence in this study suggested that there were differences in sire fertility when they were used in fixed-time AI protocols, possibly due to the sire differences in sperm capacitation process. Further studies are needed to investigate association of the sire differences in fixed-time AI protocols with sire differences in the sperm capacitation process.

Luteotrophic effect, growth and survival of whole versus half embryos and, their relationship with plasma progesterone concentrations of recipient dairy heifers


This prospective and randomized experiment was designed to compare the luteotrophic effect of whole versus half embryos and to evaluate the relationship between the plasma progesterone (P4) profiles and the rates of early embryonic (days 7 to 25), late embryonic (days 25 to 42) and fetal (days 42 to 63) mortalities of whole and half embryo recipients. Within a single herd, 188 virgin, healthy, cyclic, reproductively sound, with adequate body condition score, Holstein dairy heifers were randomly allocated to receive 1 whole or 1 half embryo on day 7 of the estrous cycle (day 0 = estrus). In each embryo-transfer (ET) group, half of the recipients were treated with a controlled internal drug releasing (CIDR) device between days 7 and 19. Pregnancy was evaluated by ultrasound on days 25, 42, and 63, and plasma P4 profiles were obtained until day 63 of pregnancy. The CIDR-treated and untreated heifers had similar pregnancy rates on days 25, 42, and 63, and embryo size on day 42 was also similar in treated and untreated recipients. Therefore, CIDR treatment failed to promote growth and survival of half and whole embryos. Half embryos had a significantly higher rate of early and late embryonic mortality than whole embryos. In contrast, fetal mortality was similar in whole and half embryos and, this was coincidental to a similar embryo size on day 42. Therefore, half embryos had compensatory growth until day 42, irrespective of CIDR treatment, after which they had a similar survival rate to that of whole embryos. Half embryo-derived pregnancies had significantly lower plasma P4 concentrations on day 25 than whole embryo-derived pregnancies, suggesting that this lower luteotrophic effect of half embryos could be related to their higher rate of late embryonic mortality. No significant relationship between the early luteal P4 concentrations and embryo survival was observed in whole and half embryo recipients. The first detectable luteotrophic effect of embryonic origin was observed on day 14, and no detectable second luteotrophic effect was observed until day 63 of pregnancy. Treatment with CIDR significantly increased plasma P4 concentrations during treatment but induced a significant decrease after removal of the device, suggesting that secretion of luteotropins was downregulated in the course of treatment.

Porcine sperm zona binding ability as an indicator of fertility


The escalated use of artificial insemination in swine has increased the importance of determining fertility of a semen sample before it is used. Multiple laboratory assays have been developed to assess fertilizing potential but they have yielded inconsistent results. This experiment sought to determine the relationship between in vitro competitive zona binding ability and in vivo fertility based on heterospermic inseminations and paternity testing. The zona pellucida binding ability and fertility of sperm from 15 boars was assessed by comparing sperm from one boar with sperm from other individual boars in a pairwise fashion using 4 ejaculates. The relationship of zona binding ability to the mean number of piglets sired per litter for each boar as well as historical fertility data (litter size and farrowing rate) was assessed. The in vitro competition assay consisted of labeling sperm from each boar of the pair with a different fluorophore and incubating an equal number of sperm from each boar in the same droplet with porcine oocytes. The competitive assay was highly effective in ranking boars by zona binding ability (R2 = 0.94). Paternity testing using microsatellite markers was used to determine the mean number of piglets sired per litter for each boar during heterospermic inseminations. The pairwise heterospermic insemination assay was effective in ranking boar fertility (R2 = 0.59). Using historical data from these boars, average litter size and farrowing rate were correlated (r = 0.81; P < 0.001). However, zona binding ability was not significantly correlated with historical farrowing rate data or historical average litter size. Boar sperm zona binding ability was also not correlated significantly with the mean number of piglets sired per litter following heterospermic insemination. But the number of piglets sired by each boar was related to a combination of zona binding ability, sperm motility, normal morphology, acrosomal integrity, and the presence of distal droplets (R2 = 0.70). These results suggest that zona binding ability is not an accurate predictor of fertilizing ability when used alone; however, when coupled with other sperm assessments, fertility may be predicted successfully.
SOCIETY FOR THERIOGENOLOGY
ORDER FORM

Please complete (print or type) the following information:

SFT Member's Name ________________________________

Clinic ____________________________________________

Shipping Address (No P O Boxes) ____________________________

City ___________________________ State/Province ____________ Zip/Country __________

Telephone __________________ Fax ___________ Email ___________

Order Called in by ________________________________

We Now Carry Morphology Stain, call us at (334) 395-4666 to get yours today!

<table>
<thead>
<tr>
<th>U.S. SHIPPING/HANDLING</th>
<th>Forms Description</th>
<th>Form s per Unit</th>
<th>Price Per Unit</th>
<th>Quantity (# of Units)</th>
<th>Extended Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use this chart for ordering up to $350.00 in forms &amp; stain within the U.S. For shipping to Canada and other countries, or for orders of more than $350.00 in forms and stain, call 334/395-4666</td>
<td>Bull Breeding</td>
<td>50</td>
<td>$15.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Herd</td>
<td>50</td>
<td>$14.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bovine Frozen Semen</td>
<td>25</td>
<td>$8.75</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bovine Estrous Cycle DVD</td>
<td>1</td>
<td>$12.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Equine Frozen Semen (Transport Forms)</td>
<td>25</td>
<td>$8.75</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ram Breeding Soundness</td>
<td>25</td>
<td>$8.75</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Morphology Stain</td>
<td>1 bottle</td>
<td>$20.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The shipping/handling costs in table to left are for UPS Ground service only. For any service other than Ground, additional cost will apply (non-refundable)

FOR SFT OFFICE USE ONLY

Date Order Rec’d ____________

Date Shipped ____________

Check # ____________

Credit Card entered by ________

Approval Code ____________

PAYMENT

Enclosed Check (U S Funds drawn on U S Bank)

Visa ____ Mastercard ____ American Express

Credit Card # ____________________________

Expiration Date _______ ____________

Three Digit Account Code ____________ (Amex has 4 digits on front)

Cardholder’s Name ____________________________

Cardholder’s Signature ____________________________

Mail completed document to: Society for Theriogenology
P.O. Box 3007
Montgomery, AL 36109

CREDIT CARD ORDERS MAY BE FAXED TO: 334/270-3399
QUESTIONS? CALL OUR OFFICE AT 334/395-4666

Revised 01/07

Spring 2008 Newsletter 19
Society for Theriogenology Board of Directors 2007-2008

Officers

President
Dr. Patrick Hearn
Hearn Veterinary Services
713558 RR 1
Orangeville, ON L9W 2Y8
Canada
Phone: 519/943-1153
patrick.hearn@bellnet.ca
(term expires 2008)

President-Elect
Dr. Ana Adams
Hamby Road Animal Hospital
3785 Hamby Road
Alpharetta, GA 30004
Phone: 770/521-1317
Fax: 770/521-1349
aavet@comcast.net
(term expires 2008)

Vice-President
Dr. Thomas Riddle
Rood and Riddle Equine Hospital
P.O. Box 12070
Lexington, KY 40580
Phone: 859-233-0371
Fax: 859-255-5367
triddle@rooandriddle.com
(term expires 2008)

Secretary-Treasurer
Dr. Gary Warner
Elgin Veterinary Hospital
P.O. Box 629
Elgin, TX 78621
Phone: 512/285-3375
Fax: 512/285-3398
elginbullvet@yahoo.com
(term expires 2008)

Immediate Past President
Dr. Peter Chenoweth
School of Agricultural & Vet. Sci.
Charles Sturt University
Locked Bag 588
Wagga Wagga, NSW 2678
Australia
Phone: 02 6933 2652
pchenuoweth@csu.edu.au
(term expires 2008)

Directors

Dr. Todd Anderson
Panhandle Veterinary Services
1430 Brickyard Road
Chipley, FL 32428
Phone: 850/638-4857
Fax: 850-253-0196
lornajo@wfeca.net
(term expires 2008)

Dr. Jane Barber
Veterinary Specialties at the Lake
P.O. Box 425
Sherrills Ford, NC 28673
Phone: 828/478-3500
drjanebarber@aol.com
(term expires 2009)

Dr. James Schalnus
Hagyard-Daviddson-McGee
4250 Iron Works Pike
Lexington, KY 40511
Phone: 859-255-8741
Fax: 850-253-0196
sschalnus@hagyard.com
(term expires 2010)

Dr. Clinton Hilt
P.O. Box 38
Dutton, MT 59433-0038
Phone: 406/463-2426
hvt@3rivers.net
(term expires 2009)

Dr. Mike Thompson
1536 Highway 4 E
Holly Springs, MS 38635
Phone: 662-252-5454
Fax: 662-252-2867
mapthvm@hughes.net
(term expires 2010)

Dr. Rory Meyer
271 Mount Evans Court
Livemore, CO 80536
Phone: 970/472-5566
docrory@gmail.com
(term expires 2009)

Dr. Dana Bleifer
West & Warner Ctr. Pet Clinic
20930 Victory Blvd
Woodland Hills, CA 91367
Phone: 818-710-8528
Fax: 818-710-9312
clobest@aol.com
(term expires 2010)

Dr. Cheryl Lopate
Reproductive Revolutions, Inc.
1000 South Springbrook Rd #55
Newberg, OR 97132
Phone: 503/537-1123
Fax: 503/554-9961
lopate@comcast.net
(term expires 2008)

Dr. Cliff Shipley
University of Illinois
2190 Homer Lake Road
St. Joseph, IL 61873-8769
Phone: 217/333-2000
chipley@uiuc.edu
(term expires 2008)

Editor
Dr. Herris Maxwell
Auburn University, CVM
Dept. of Clinical Sciences
Auburn University, AL 36849
Phone: 334/321-7995
maxwehs@vetmed.auburn.edu
(appointed position)

Management Office

Dr. Charles Franz
Executive Director
P.O. Box 3007
Montgomery, AL 36109
Phone: 334/395-4666
Fax: 334/270-3399
charles@franzmgmt.com

Rick Derrick
Director, PR/Communications
P.O. Box 3007
Montgomery, AL 36109
Phone: 334/395-4666
Fax: 334/270-3399
rick@franzmgmt.com

Linda Register
Membership Coordinator
P.O. Box 3007
Montgomery, AL 36109
Phone: 334/395-4666
Fax: 334/270-3399
Linda@franzmgmt.com

Tammy Wallace
Director of Meetings/Membership
P.O. Box 3007
Montgomery, AL 36109
Phone: 334/395-4666
Fax: 334/270-3399
tammy@therio.org

Presorted Std.
U.S. Postage
PAID
Permit #456
Montgomery AL