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CORRECTION TO NEW STALLION EVALUATION FORM
A formula correction has been made to the new Stallion Reproductive Evaluation Form which is available on the Society website. PLEASE NOTE THIS CHANGE and remember that this form (copyright © 2005) is available to members of the Society at no charge. To access the form, go to www.therio.org and click on the left navigation link “Buy Forms/Books.” The form may be downloaded as either a PDF or a Word document. Permission is granted to members to maintain a copy on your computer for your personal or clinic use for as long as you are a member of the Society.

2005 CONFERENCE ISSUE
REGISTRATION MATERIAL ENCLOSED

...from the president

As I sit writing this, my last column for the SFT Newsletter, I reflect on the events of the last few weeks. Our students assisted with delivery of several calves, cesarean sections in cattle, fetotomies in beef cattle, cesarean section in a goat with pregnancy toxemia, replaced cervical and vaginal prolapses in cattle, a unilateral ovariohysterectomy in a Holstein cow, a unilateral ovariohysterectomy in a Simmental donor cow, several foal deliveries and breeding mares with cooled, shipped semen, assisted mating with dogs, assisted with dog semen collection and freezing, urolithiasis in an intersex goat, and surgically prepared teaser bulls. Additionally, they have ultrasounded mares, cows, dogs, goats and alpacas for pregnancy and in some cases fetal gender determination. We just repaired a severe uterine tear in an alpaca that will soon be discharged from the hospital. We entertained discussions about estrus synchronization and breeding soundness evaluation of males with clients. By invitation, a sophomore veterinary student spoke at an area producer meeting about breeding soundness evaluation in bulls this weekend. Two students presented Theriogenology cases at our weekly Clinicopathologic Conference. We even had inquiries about freezing catfish semen!

All this activity emphasizes the variety and vitality of the discipline of Theriogenology. Just this week, two phone calls from veterinarians about herd consultations resulted in both practitioners joining the SFT. Student interest in Theriogenology is active and very rewarding. Why such interest? Very simply, our discipline crosses all species lines and is integral to all facets of veterinary medicine and animal production. From laboratory animals to the companion animal species with strong emotional attachments to the sporting and competitive breeds of dogs and horses to food and fiber production animals, Theriogenology is critical to the success of the animals and their owners and besides, this is profitable and FUN!!!

As I write the weather is mild and gorgeous, we have been blessed with abundant rainfall, the dogwoods, azaleas, irises, and tulips are in glorious bloom reflecting the bursting and excitement of another awakening of spring! In this vein I am excited to report that your officers and board of directors voted to proceed with a renewed “awakening” of the Society for Theriogenology. We are proceeding with a contract with Stewart and Associates, of Louisville, KY, for a Brand Positioning Program for the SFT. The goal is to enhance our organizational image and our mission and goals to build upon our professional image and impact with animal owners, the livestock and companion industry experts and institutions, practicing veterinarians and the American College of Theriogenologists. The goal is to continue and enhance our position as the “go to” source for animal reproduction education and clinical service. We are quite excited about the endeavor and optimistic about enhancing the value of SFT to you, our members, through expanded opportunities for you and your clients. As our mission statement says: We are dedicated to advancing the science and practice of animal reproduction. This alliance with Stewart and Associates is an investment in our future and another opportunity to support our mission.

I hope you have already marked your calendar for August 9-13, 2005. Elsewhere in this newsletter you will find more information about our Annual Conference in Charleston, SC. This promises to be an outstanding educational program and fun time for all in one of the most historic cities in our country. Hope to see you there.

To close, I wish to thank all the many members of the SFT who have made my years on the Board of Directors, committees and through the officer ranks a labor of love. I am extremely blessed to have the friendships and working relationships that are so richly rewarding. Thanks to Dr. Charles Franz, Tammy Wallace and Pam Helmke at the SFT office for the “can do” attitude and for their patient tolerance of my blunders. Thanks too to all the myriad students who are the future of our organization and to our generous clients and animal owners who allow us to earn a living doing what we enjoy. We are all truly fortunate and blessed and I am indeed indebted to all for allowing me the opportunity to work and learn with you.
SFT Announces Board of Directors Candidates

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 of Directors. Pursuant to the SFT Bylaws, the general election will be held during the Annual Business Meeting at the next Annual Conference (August 9-13, 2005 in Charleston, South Carolina).

Dr. Todd Anderson, Chipley, Florida
Dr. Cheryl Lopate, Newberg, Oregon
Dr. Cliff Shipley, Urbana, Illinois

Completing their terms on the Board this August are Drs. Tom Riddle, Carlos Risco, and Ahmed Tibary. The Society would like to thank these individuals for their dedication and service as directors.

Dr. Todd Anderson graduated from the University of Florida in 1994. He went on to an internship in Food Animal Medicine and Surgery at Oklahoma State University. After leaving Oklahoma State he started in a very diverse mixed practice in rural Northwest Florida. Dr. Anderson practices at Panhandle Veterinary Services where they provide care for cattle, horses, small ruminants, dogs, cats and even pocket pets and exotic animals.

In addition to the mixed practice he also operates a privately run animal control facility. Dr. Anderson has been a member of the Society for Theriogenology since he was a student and has attended all of the SFT annual meetings since he graduated from veterinary school. He is presently following the mentorship route for ACT certification. He is married to Lorna Anderson and together they have four children, Emily, Abigail, Eliannah, and Asa.

Dr. Cheryl Lopate received her BS from Colorado State University in 1984. She obtained an MS in Reproductive Physiology in 1987 from The Ohio State University and graduated from The Ohio State University College of Veterinary Medicine in 1991. She practiced in a rural mixed practice in Minnesota from 1991–1995. She completed a residency in comparative theriogenology at Purdue University from 1995–1997 and was board certified in Theriogenology in 1997. She was a visiting instructor in comparative theriogenology at Purdue University from 1997–1999 and then spent a breeding season in Queensland, Australia, working at a large equine referral center and general practice. Since that time she has worked as a resident veterinarian on a large breeding farm and in private practice. She opened her own reproductive specialty practice in the fall of 2003, providing reproductive services for equine and companion animal patients.

She has been a member of the SFT since her freshman year in veterinary college. She has been a member of the ACT Exam Committee since 2000, and acted as the chair of the committee in 2005. Dr. Lopate has 2 dogs, a Corgi and an Australian Shepherd, and an iguana. She enjoys hiking, camping, scuba diving, riding and biking in her free time.

Dr. Cliff Shipley graduated from Iowa State University in 1982 and was in mixed practice in northeast Iowa (primarily dairy) and then a partner in a mixed practice in southwest Iowa. From there, it was off to the Virginia-Maryland Regional College of Veterinary Medicine where he was an ambulatory clinician, then head of ambulatory and swine and small ruminant extension veterinarian for the state of Virginia. Moving back to Iowa, he managed a large livestock company and served as a technical services veterinarian for a feed company. Since 1991, he has been at the University of Illinois, College of Veterinary Medicine where he became board certified (practitioner route) in 1997. There he is involved in the FARMS (Farm Animal Reproduction, Medicine and Surgery) Section where he does everything from routine ambulatory calls to laproscopic AI. Special interests are small ruminants (cervids especially) and anything else that will move air and reproduce.

Join your colleagues for the opening abstracts and the abstract competition

The members of the ACT Scientific Committee believe the research abstracts will again be a highlight of the 2005 SFT/ACT Annual Conference in Charleston, SC. There were 21 abstracts submitted for consideration in the competitive category and 38 abstracts submitted for the noncompetitive category, which should provide plenty of variety and ensure that there is something of interest for all attendees.

Dr. Todd Anderson, on behalf of the members of the ACT Scientific Committee, I invite you to attend the Happy Hour Abstract Presentations, which is sure to be a great beginning for the conference.

Happy Hour Abstracts will be on Tuesday, August 9, 2005 from 7 to 9 p.m., which will be followed by the social hour. Come hear some of the newest information in the field of theriogenology and then renew acquaintance with colleagues and friends.

Join us again on Friday, August 12 from 8 to 10 a.m. for the Jerry Rains Memorial Abstract Competition. The top 8 abstracts in the competitive category submitted by residents and students enrolled in graduate study programs will be presented. These abstracts were selected on the basis of the written scores, which will be combined with scores for the oral presentations. The 4 participants with the highest combined written and oral scores will be acknowledged and awarded their prize money during the SFT/ACT Awards Luncheon.

We look forward to seeing you in Charleston!

Craig A. Smith, DVM, PhD,
Diplomate ACT
Chair, ACT Scientific Committee
YOU ARE INVITED to participate in the Annual Conference of the Society for Theriogenology (SFT) and SFT – American College of Theriogenologists (ACT) Symposia, August 9 – 13, in Charleston, South Carolina.

The 2005 SFT/ACT Conference & Symposia will be held at the historic Francis Marion Hotel in Charleston, South Carolina. SFT & ACT will offer three Symposia this year: Pharmacology, Small Animal and Equine (including a Equine Wet Lab). The Conference will feature abstract presentations and three lecture tracks to choose from: Equine, Small Animal and Food Animal. Make plans now to join your colleagues and to learn the latest in animal reproduction!

**PAYMENT OF REGISTRATION FEES**
Registration fees may be paid by credit card (Visa / MasterCard, or American Express) or by check drawn from a U.S. Bank in U.S. dollars. Checks should be made payable to SFT. Charges to credit cards will be made immediately upon receipt.

**CANCELLATIONS / REFUNDS**
If you register and find you just can’t attend, SFT will refund your registration fee minus $50.00, if requested by July 8, 2005. No refunds will be granted after July 8th.

**CONFIRMATION OF REGISTRATION**
Registration will be confirmed only after submission of the registration form and registration fee. Confirmations will be e-mailed within two weeks following receipt of registration and payment. Registration received less than two weeks prior to the meeting will not be confirmed.

**HOTEL INFORMATION**
The Francis Marion will be the venue for all on-site events. Meticulously restored in 1996 with a $12 million National Trust for Historic Preservation award winning restoration, the Francis Marion Hotel combines 1920’s style and grace with 21st Century comfort and convenience in the heart of historic Charleston on Marion Square. Please book early to insure room preference and rates. Our group rate is $119.00 Single or Double. To receive this special rate call (843) 722-0600 or you may go to www.therio.org and use the Conference Hotel Information Link to make your reservations. Please give the following block code: Theriogenology. These special rates are available until July 5, 2005.

**CONTINUING EDUCATION**
CE Certificateds will be available in your registration packets. The available hours are as follows:
- SFT Conference – 23
- Pharmacology Symposia – 4
- Small Animal Symposia – 7
- Equine Symposia (Lecture Only) – 3
- Equine Symposia (Lecture & Wet Lab) – 9

**CONFERENCE PROCEEDINGS**
Conference Proceedings will contain material provided by the speakers at the SFT Conference & Symposia. This year we will offer all registered attendees a set of Proceeding notes as a bound book printed by Elsevier. These will be available on-site upon registration. If you are unable to attend the meeting, you will be mailed a copy of the bound book or a CD-ROM (the preference you indicated on your membership renewal form).

**SPECIAL SERVICES**
If you require special services, please submit a written description of your requirements along with your completed registration form.

Mail form to: SFT-Annual Conference P.O. Box 3007 Montgomery, AL 36109
# 2005 SFT Annual Conference & SFT/ACT Symposia

## Registration Form

**Francis Marion Hotel, Charleston, SC**  
**August 9-13, 2005**

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

<table>
<thead>
<tr>
<th>By July 8</th>
<th>After July 8</th>
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<tbody>
<tr>
<td><strong>Pharmacology Symposium</strong> (Tuesday – August 9)</td>
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<tr>
<td>Member (SFT / ACT)</td>
<td>$140.00</td>
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<tr>
<td>SFT Student Member</td>
<td>$35.00</td>
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<tr>
<td>Vet Technician*</td>
<td>$140.00</td>
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<tr>
<td>Non-Member</td>
<td>$250.00</td>
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<tr>
<td><strong>Discount Rate for Conference Registrant</strong></td>
<td>$70.00</td>
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</tbody>
</table>

| **General Conference** (Wednesday-Friday / August 10-12) | | |
| Member (SFT / ACT) | $290.00 | $360.00 | $ | |
| Vet Technician* | $290.00 | $360.00 | $ | |
| Non-Member | $400.00 | $470.00 | $ | |

**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.

### Pharmacology Symposium

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### General Conference

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### Equine Symposium

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<th>Name:</th>
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### Equine Symposium

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<th>Lunch &amp; Transportation to and from lab is provided.</th>
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*Lab is limited to 40 participants

*Equine Lecture is required

*General Conference attendees have first priority

| Member (SFT / ACT) | $325.00 | $395.00 | $ | |
| Non-Member | $435.00 | $505.00 | $ | |

### Small Animal Symposium

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### Small Animal Symposium

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| Member (SFT / ACT) | $200.00 | $270.00 | $ | |
| SFT Student Member | $45.00 | $90.00 | $ | |
| Vet Technician* | $200.00 | $270.00 | $ | |
| Non-Member | $310.00 | $380.00 | $ | |
| **Discount Rate for Conference Registrant** | $90.00 | $120.00 | $ | |

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### Conference Tours

- **Charleston Tours**
  - Ghost Walk (Thursday – 8:30 pm – August 11) | $18.00 pp | $ | |
  - Fort Sumter Tour (Saturday – 9:30 am – August 13) | $38.00 pp | $ | |
  - Steeplechase Tour (Saturday – 9:30 am – August 13) | $28.00 pp | $ | |
  - Tour to the Hunley (Saturday – 1:30 pm – August 13) | $48.00 pp | $ | |

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### Additional Events

- **THERIOGENOLOGIST OF THE YEAR LUNCHEON** (Friday – August 12)
  - Ticket is required to attend
  - Open to all conference attendees, students and exhibitors
  - **$15.00 pp | $ |**

- **Fun Night at the South Carolina Aquarium** (Thursday – August 11)
  - Ticket is required to attend
  - Open to all conference attendees, students and exhibitors
  - **Adult | $25.00 pp | $ |**
  - **Children ages 4-12 | $12.00 pp | $ |**
  - **Children ages 1-3 | $N/C | $ |**

### Fees and Payment Information

Fees are due and payable to SFT in U.S. Funds drawn on U.S. Banks.

Please indicate your method of payment:

- [ ] Check
- [ ] Visa
- [ ] MasterCard
- [ ] American Express

Card Number

Expiration Month / Year

Cardholder's Name

Cardholder’s Signature

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**FOR OFFICE USE ONLY**

DE_____ A_____ C_____ APP CODE_____

If you have questions, contact SFT Headquarters at 334/395-4666.
Or e-mail us at pamlfranzmg.com

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**NOTE:** Please mark here if this is new contact information, which needs to be updated in the SFT database.

**Conference attendees may be posted on the SFT website. If you do NOT want your name listed mark here**
### Conference & Symposia Schedule

**Tuesday, August 9, 2005**
- **1:00-5:15 pm** Pharmacology Symposium (separate registration / see registration form)

**2005 SFT Conference**
- **7:00-9:00 pm** Happy Hour Abstract Presentations
- **9:00-10:30 pm** Happy Hour Reception

**Wednesday, August 10, 2005**
- **8:00-9:00 am** Bartlett Address
- **9:00-9:15 am** BREAK
- **9:15-10:30 am** General Session
- **10:30-12:00 pm** General Session
- **12:00-1:30 pm** LUNCH ON OWN
- **1:30-3:30 pm** Separate Track Programs
- **3:30-3:45 pm** BREAK
- **3:45-5:45 pm** Species Abstracts Presentations
- **5:30-7:30 pm** Exhibits Open
- **7:30 pm** DINNER ON OWN

**Thursday, August 11, 2005**
- **7:00-8:00 am** Continental Breakfast – Exhibit Hall
- **8:00-10:00 am** Separate Track Programs
- **10:00-10:30 am** BREAK
- **10:30-11:45 am** General Session
- **11:45-1:30 pm** General Session
- **1:30-2:00 pm** ACT Annual Business Meeting
- **2:00-3:00 pm** Continental Breakfast – Exhibit Hall
- **8:00-10:00 am** Separate Track Programs
- **10:00-10:30 am** BREAK
- **10:30-11:30 am** Steeplechase Tour
- **12:00-6:00 pm** Equine Symposium/Wet Lab (separate registration / see registration form)
- **1:30-4:00 pm** Tour to the Hunley
- **2:00-4:45 pm** Fort Sumter Tour
- **7:30 pm** DINNER ON OWN

**Friday, August 12, 2005**
- **7:00-7:45 am** ACT Exam Roundtable*
- **7:00-8:00 am** Continental Breakfast – Exhibit Hall
- **8:00-10:00 am** Competitive Abstracts
- **10:00-10:30 am** BREAK
- **10:30-11:15 am** General Session
- **11:15-12:00 pm** SFT Annual Business Meeting
- **12:15-1:45 pm** Theriogenologist of the Year Award Lunch / Abstract Awards
- **1:45-3:15 pm** Separate Track Programs
- **3:15-3:30 pm** BREAK
- **3:30-5:30 pm** Separate Track Programs
- **5:30-7:00 pm** Student Fellowship Meeting

*Are you interested in board certification? Several members of the ACT Board and the Exam Committee will be available to answer your questions concerning qualifying, residency programs, mentors and mentoring, preparation, etc.

**Saturday, August 13, 2005**
- **8:00am-5:40 pm** Small Animal Symposium (separate registration / see registration form)
- **8:00 am-11:00 am** Equine Symposium/Lecture Section (separate registration / see registration form)
- **9:30-11:30 am** Steeplechase Tour
- **12:00 pm-6:00 pm** Equine Symposium/Wet Lab (separate registration / see registration form)
- **1:30-4:00 pm** Tour to the Hunley
- **2:00-4:45 pm** Fort Sumter Tour

**General Session**
- **8:00 am-9:00 am** Bartlett Address
- **9:15-10:30 am** Reproductive Biology In The Era Of Genomics Biology, Dr. Fuller Bazer
- **10:30 am – 12:00 pm** Genetic Sperm Abnormalities, Dr. Peter Chenoweth

**Continued**
CONFERENCE & SYMPOSIA SCHEDULE (Continued)

SMALL ANIMAL SYMPOSIUM
Saturday, August 13, 2005
SEPARATE REGISTRATION / SEE REGISTRATION FORM

8:00 am-8:45 am Induction And Synchronization Of Estrus In Dogs, Dr. Michelle Kutzler
8:45 am-9:30 am Semen Collection In Cats: Techniques And Analysis, Dr. Daniele Zambelli
10:00 am-10:45 am Long-Term Preservation Of Chilled Semen In Dogs, Dr. John Verstegen
10:45 am-11:30 am Frozen Semen In Canine, Dr. Tom Riisselaere
11:30 am-12:00 pm Induction Of Estrus In Cats, Dr. Karine Onclin
1:30 pm-2:15 pm DEMONSTRATION - How To Freeze, Thaw And Evaluate Canine Semen, Drs. Daniele Zambelli & Bruce Christensen
2:15 pm-3:00 pm DEMONSTRATION - How To Prepare, Evaluate And Send Chilled Semen In Dogs, Drs. John Verstegen & Bruce Christensen
3:30 pm-4:15 pm DEMONSTRATION - How To Freeze, Thaw And Evaluate Canine Semen, Drs. Tom Riisselaere & Bruce Elts
4:15 pm-5:30 pm CONCLUSION - Chilled Versus Frozen Semen In Canine, Where Do We Stand And Perspectives, Dr. John Verstegen

EQUINE SYMPOSIUM & WET LAB*
Saturday, August 13, 2005
(separate registration / extra fee for lab / see registration form)

8:00 am-8:45 am Cellular Associations And The Differential Spermiogram: Making Sense Of Stallion Semen Morphology, Dr. Claire Card
8:45 am-9:30 am Ultrasonographic Evaluation Of The Stallion Reproductive Tract, Dr. Malgorzata Pozor
9:30 am-10:00 am Equine Fetal Gender Determination From Mid To Advanced Gestation By Ultrasound, Dr. Stefania Bucca
10:00 am-10:30 am Low-Dose Insemination - Why, When & How?, Dr. Sara Lyle
10:30 am-11:00 am Post Breeding Inflammation And Endometrial Cytology, Dr. Claire Card

End of Lecture Sessions

EQUINE WET LAB*
(separate registration / extra fee required / lecture registration required)

11:00 am-12:00 pm LUNCH (Provided on Bus for Wet Lab Participants)
12:00 pm-1:30 pm Ultrasonography Of The External Genitalia Of The Stallion, Dr. Malgorzata Pozor
1:30 pm-3:00 pm Ultrasonography Of The Mid-Late Gestation Mare, Dr. Stefania Bucca
3:00 pm-4:30 pm Low Dose Insemination (Hysteroscopic And Deep Horn), Drs. Sara Lyle & Claire Card
4:30 pm-6:00 pm Using Frozen Semen, Preparation Of Semen For Low Dose Insemination And Preparation And Interpretation Of Culture & Cytology Specimens In Mares, Drs. Dale Paccamonti & Jesper Moller-Nielsen
6:00 pm Bus Leaves for Return to Francis Marion Hotel
OPTIONAL CHARLESTON TOURS

Take advantage of all that Charleston has to offer.

Thursday, August 11th

FUN NIGHT AT THE SOUTH CAROLINA AQUARIUM
$25.00 PER PERSON
Sponsored by Pfizer Animal Health
6:30–8:30 p.m.

Arrive at the SC Aquarium where before entering into the Aquarium, you will be able to experience the view of the Ashley River and Charleston Harbor on the Riverside Terrace. As you tour the Aquarium, you will experience the wonderful aquatic plants and animals that inhabit the five major regions of South Carolina: the Mountains, the Piedmont, the Coastal Plains, the Coast and the Ocean. The exhibit will take the quests through a journey from the mountains to the sea featuring stops like the “Great Ocean Tank” that includes sharks, sea turtles, and lemon fish and a mountain exhibit with friendly river otters. Make plans to join your fellow convention participants for food, fun and fellowship. Transportation to and from the Francis Marion Hotel will be provided.

GHOST WALK
$18.00 per person
8:30-10:00 p.m.

After an exciting evening at the South Carolina Aquarium, plan to gather in the lobby of the Francis Marion hotel where we will meet our private tour guide. Join in an eerie journey into Charles Towne’s haunted past as you stroll 18th and 19th century neighborhoods of the historic district. Stories and legends of the unusual and supernatural are combined with the fun and fascinating history of the city. Hear tales from the tomb, murders and mysteries, ruthless pirates and encounter the Supernatural! At the end, the guide will return the group back to the hotel at your leisure.

Saturday, August 13th

FORT SUMTER TOUR
$38.00 per person
2:00–4:45 p.m.

We will depart the Francis Marion on a shuttle to the Aquarium Wharf for a tour of historic Fort Sumter. Before boarding the boat to Fort Sumter you will be given time to look around the new Interpretive Center. This building houses several exhibits and artifacts, including the original flag flown over the Fort, and will give you an introduction to the history of Fort Sumter before getting on the boat. 2:15pm Board the Fort Sumter tour boat and enjoy a cruise along the famous Battery; where the majestic homes can be seen, to the island of Fort Sumter where the Civil War began. This National Monument, administered by the National Park Service, is located on a small man-made island at the entrance to Charleston Harbor. It is accessible only by boat and once on the island you can visit an excellent museum containing priceless exhibits. Union soldiers occupied strategic Fort Sumter which the South demanded be vacated. The North refused and on April 12th, 1861 from nearby Fort Johnson, South Carolina troops of the Confederacy fired on the Fort. This started the two-day bombardment that resulted in the surrender of Fort Sumter by Union soldiers. After an introduction by a Park Ranger, you will be free to wonder throughout the Fort or tour with our private guide. At 4:45 pm the boat will return to Liberty Square at Aquarium Wharf and the shuttle will return you to the Francis Marion hotel.

STEEPLECHASE TOUR
$28.00 per person
9:30-11:30 am

The private guide will lead you from the Francis Marion on a two-hour walking tour. You will stroll through downtown Charleston on a “steeple-chase” through time. Learn the stories of the many mother churches, the legacy of dissenters in Carolina colony, and the significant Jewish history. Experience the architectural treasures serving today’s congregations and explore the surrounding cemeteries. See three hundred years of religious history on this leisurely walk into the spirited and spiritual past of Charleston. You will visit St. Mary’s Roman Catholic Church, Beth Elohim Synagogue, and St. John’s Lutheran Church among others.

TOUR TO THE HUNLEY
$48.00 PER PERSON
1:30–4:00 pm

We will depart the Francis Marion on a private coach with a registered tour guide. The guide will be able to give you background on the Civil War and the role the Hunley played. 2:00 pm You will arrive at the Warren Lasch Conservation Center located on the old Naval Base. You will have a private tour of the center and see the submarine being restored. On February 17, 1864, the Confederate submarine, H.L. Hunley, attacked and sank the USS Housatonic four miles off Sullivan’s Island in the Atlantic Ocean, becoming the first modern submarine to sink a ship. The Hunley signaled to shore that she had completed the attack and was on the way home but instead she disappeared in the dark with her brave crew. History recorded this mission as a valiant exercise of duty and the Hunley as a pioneer in technological innovation. Surrounded over time in history, the Hunley was raised on August 8, 2000, 136 years after her triumph and tragedy. She was brought to the Warren Lasch Conservation Center, a technological workplace designed to seek out and record the facts of the H.L. Hunley’s journey into history. 4:00 pm The coach will return you to the Francis Marion hotel.

NOTE: All tour reservations are handled on a first-come, first-served basis. Tour capacity is limited and SFT reserved the right to cancel a tour due to lack of registrations. In that event, your money will be refunded in full. Tours will operate rain or shine.
Ted Lock Scholarship Fund

URBANA - The Ted Lock Scholarship Endowment Fund was established recently in honor of Dr. Ted Lock, who retired from the University of Illinois College of Veterinary Medicine in August 2004 after 32 years of service. Dr. Lock is widely known as an equine reproduction specialist, maintaining longstanding relationships with breeding farms throughout the Midwest, and for his tireless contributions as a veterinary educator, frequently earning teaching awards and accolades. The scholarship fund, with a goal of $25,000, will support Illinois veterinary students interested in food animal, equine, or mixed practice in a rural area. One-time gifts or contributions spread over several years are welcome. Please contact the College Advancement Office at 217/333-2762 or advancement@cvm.uiuc.edu or choose the "Online Giving" option at: www.cvm.uiuc.edu.

Assistant/Associate Professor, Beef Health Management. The Department of Population Health & Pathobiology, College of Veterinary Medicine, North Carolina State University, seeks applicants for a 12-month tenure track position as Assistant Professor or Associate professor of Beef Health Management. Salary and rank are commensurate with experience of the successful candidate.

Applicants must possess the DVM or equivalent professional degree. An advanced degree and/or earned Diplomate status in a relevant specialty board are required. The successful candidate should have experience in teaching, clinical practice, research and beef production management. Candidates with a specific clinical interest in either medicine (including infectious diseases) or reproduction are encouraged to apply.

Responsibilities of the position include didactic and clinical instruction at the undergraduate, professional, and graduate levels; clinical and emergency service covering all ruminant species; and developing an independent and/or collaborative research program. Opportunities for collaborative research are excellent. The Department's Faculty is a distinguished group of experts on health and production of dairy and beef cattle, small ruminants, swine and poultry. The Food Animal Residue Avoidance Databank (FARAD) is also housed within the Department. Faculty areas of particular interest include reproductive physiology, infectious diseases, epidemiology and public health, internal medicine, genomic sciences, food safety, pharmacology, and toxicology. Opportunities to serve the expanding North Carolina beef industry in collaboration with Faculty in the College of Agriculture and Life Sciences and with the North Carolina Animal Disease Diagnostic Laboratory System are excellent.

Applications should be sent to:
Dept. of Population Health and Pathobiology
NC State University College of Veterinary Medicine
4700 Hillsborough St.
Raleigh, NC 27606
ATTN: Sandi Sullivan
Please include a Letter of Intent, Current Curriculum Vitae, and the names and contact information (including email) of three professional references.

Screening of applications will begin on March 15, 2005. The position will remain open until filled.

North Carolina State University is an Affirmative Action/Equal Opportunity Employer. Individuals with disabilities desiring reasonable accommodations in the application process should contact Sandi Sullivan, Department of Population Health and Pathobiology, College of Veterinary Medicine, Raleigh, North Carolina, 27606 Sandi_Sullivan@ncsu.edu, Fax 919.513.6464, Tel 919.513.6240.

HAVE YOU PAID YOUR 2005 SFT MEMBERSHIP DUES?

Just a reminder that one of the benefits of being a member of the Society for Theriogenology is that you get a reduced rate for the SFT/ACT Annual Conference & Symposia registration. You may go online to www.therio.org home page and click on “E-Billing Reminder” in the middle of the home page and save yourself the trouble of mailing your dues into the office. If you still wish to mail your 2005 SFT Dues ($110.00 U.S. Dollars), send them to: Society for Theriogenology, P.O. Box 3007, Montgomery, AL 36109.
University of Pennsylvania Repro Club (Student Chapter of the SFT)

Spring Semester Event Summary (February 2005-May 2005)

President: Modesty Dallmeyer
Vice President: Blair Cornman
Secretary: Anne DeNaples
Treasurer: Shannon Omlor

The spring semester for the repro club was a very active period filled with many faculty run labs and other events. Things began in January with a ewe ultrasound lab at a local farm. This event was held in conjunction with the Food Animal Club and offered students the opportunity to check approximately fifty ewes for pregnancies. Thirty students from both the Repro Club and Food Animal Club participated and were given a lesson in ultrasonography by Dawna Voelkl, DVM. Also throughout January and into the beginning of February a series of bovine palpation labs were offered on Saturday mornings at Marshak Dairy. These labs were held in conjunction with the Food Animal Club as well.

Throughout February and into the month of April a number of members participated in “Dystocia Team” which allowed students the opportunity to visit the Connelly Neonatal Intensive Care Unit on the New Bolton Center Campus. While there, students were able to observe high risk mares for signs of foaling, critical care foals, dystocia emergencies if they presented themselves. Approximately 10 students participated in this program. Special thanks to Jonathan Palmer, VMD and Pamela Wilkins, DVM who helped to organize this program.

Two members also traveled to Hanover Shoe Farms in Hanover, PA. While there, they followed the resident veterinarians and participated in foal watching throughout the many barns on the premises, observed semen collections on a number of stallions, and helped with “new foal exams.” The students that participated enjoyed this experience and it is tentatively planned for next year.

The month of March provided Repro Club members many opportunities to become acquainted with different aspects of reproductive medicine. Over spring break approximately ten students participated in an artificial insemination program provided by Genex Corporation. These students spent the majority of their mornings in a classroom setting learning AI technique and the afternoons were spent practicing these techniques on a number of cows provided by the Marshak Dairy. This experience was very worthwhile for all who attended and is tentatively scheduled to occur next year as well. The Society for Theriogenology graciously provided a $500 grant towards the funding of this activity. Sue McDonnell, PhD also conducted a lab at the end of March on Stallion Behavior and handling. This lab enabled students to learn about normal behavior in breeding stallions and also allowed a few to perform a semen collection themselves.

April was the final month of scheduled repro events. Dr. McDonnell followed up her stallion behavior/handling lab with a demonstration on mare behavior. Due to the less than optimal weather the day of the lab, Dr. McDonnell provided a slide show on normal herd behavior in horses and followed up with a video depicting a member of the feral pony herd foaling the day before. The final hour of the lab was spent observing the feral pony herd’s behavior in the field.

The last event of the semester was an end of the year luncheon held at the Allam House on the New Bolton Center campus. Approximately 15 students and faculty attended and a good time was had by all.

Two members also participated in the Society for Theriogenology’s Case Study Competition. They were sponsored by faculty members within the school. Results of their submissions are still pending at this time.

Overall the Repro Club had a very productive year. Plans for next year include the AI program, lunch seminars, a variety of wet labs, stallion rounds, and dystocia team.

The Repro Club officers would like to thank the faculty who have supported us this year, especially our faculty advisor Patricia Sertich, VMD.

CALL FOR ARTICLES/STORIES FROM STUDENTS

LET US HEAR FROM YOU!

If you have news from your SFT Student Chapter, or College of Veterinary Medicine, that you would like to share with SFT members, please send it to charles@franzmgt.com. Please make sure to put “SFT Newsletter Article” in the subject line of your message.
Evaluation of factors that affect embryonic loss in dairy cattle


A prospective observational study was conducted to identify potential risk factors for embryonic loss before 35 to 42 days of gestation in 381 dairy cattle. Body condition score was determined at the time of artificial insemination (AI; day 0) and on days 20, 23, and 27 and between days 35 and 41; serum progesterone concentration was measured on days 0; 20 or 21; and 23, 24, or 25. Cows were excluded from analyses if day 0 serum progesterone concentration was ≤ 1.0 ng/mL and classified as pregnant on day 23 if serum progesterone was > 1.5 ng/mL on day 20 or 21 and day 23, 24, or 25. Cows were examined via transrectal ultrasonography on day 27 or 28 and rectally palpated for pregnancy on days 35 to 41. There were 39% of cows that were pregnant on day 23 lost their embryo by day 27, and 18% of cows that were pregnant on day 27 or 28 were not pregnant on days 35 to 41. Breeding a pregnant cow posed the greatest risk for embryonic loss at both time periods. Mean serum progesterone concentrations on day 21 or 22 and day 23, 24, or 25 were lowest for cows that lost an embryo between days 24 and 28. Cows with a linear somatic cell count score > 4.5 before AI were twice as likely to lose the embryo by 35 to 41 days, compared with cows with a score < 4.5. Results suggest that embryonic loss could be reduced by more accurate estrus detection, reducing mastitis, and strategies to improve progesterone concentration after breeding.
ABSTRACTS

Evaluation of a new early pregnancy test in mares

The goal of this study was to evaluate the accuracy of the early conception factor (ECF) assay test to answer the following questions: Can the test be used reliably to make a decision to flush an embryo donor mare? Can the test be used to detect early embryo loss before day 17 in the mare? Can the test accurately diagnose non-pregnancy? The performance of the test (sensitivity, specificity, positive predictive value [PPV], and negative predictive value [NPV]) was measured against the results of embryo flushing (n = 28) in 1 group and against ultrasound pregnancy diagnosis in another group (n = 17). Serum samples were taken from embryo donor mares on day 8 post-ovulation (day of embryo flushing) and from the embryo transfer recipient mares on days 6 to 8 after embryo transfer (day of pregnancy diagnosis by ultrasound). The tests were set up and read on the same day by 3 blinded observers. The kappa (κ) value, for agreement among the 3 blinded readers of the test, was 0.64. The sensitivity, specificity, PPV, NPV, and accuracy were, respectively, 42.6%, 51.9%, 63.8%, 31.1%, and 46.8%. Under the conditions of the current study, the test proved to be unreliable for detection of the presence of an embryo.

Survey of zona pellucida antigens for immunocontraception of cats
LEVY, JK; MANSOUR, M; CRAWFORD, PC; POHAJDAK, B; BROWN, RG (2005) THERIOGENOLOGY. 63, 1334-1341.

The purpose of this study was to screen a panel of native zona pellucida (ZP) antigens isolated from five mammalian species for immunocontraceptive activity in the cat (Felis catus). Native soluble-isolated ZP (SIZP) was prepared from the ovaries of cows (bZP), cats (fZP), ferrets (fCZP), dogs (cZP), and mink (mZP). Vaccines were constructed using SIZP from each of the above species encapsulated in liposomes suspended in saline and emulsified with Freund’s complete adjuvant. Female cats were immunized once (n = 3 cats/group). Serum was collected for determination of antibody titers against SIZP and for binding of antibodies to feline ovaries. All cats responded to immunization by producing anti-SIZP antibodies. The most immunogenic SIZP in cats was from mink, followed by fCZP, cZP, and fZP in descending order. Antibodies had low reactivity for fZP, and no reactivity against feline ovaries was detected by immunohistochemistry. A breeding trial was commenced 20 weeks after immunization. All cats became pregnant, averaging 4.1 ± 0.7 viable kittens/litter. We have previously shown that porcine SIZP is not an effective antigen for immunocontraception of cats. In this study, SIZP from five other mammalian species were immunogenic in the cat, but ZP antibodies failed to bind to fZP in situ, and fertility was not impeded.

Improvement in embryo recovery using double uterine flushing — Strategic use of gonadotrophin-releasing hormone (GnRH) to increase pregnancy rate and reduce pregnancy loss in lactating dairy cows subjected to synchronization of ovulation and timed insemination
BARTOLOME, JA; MELENDEZ, P; KELBERT, D; SWIFT, K; MICHALE, H; HERNANDEZ, J; SILVESTRE, F; RISCO, C; ARTERG, ACM; THATCHER, WW; ARCHBALD, LF (2005) THERIOGENOLOGY. 63, 1026-1037.

The objective of this study was to determine the effect of GnRH (100 ?g i.m.) treatment 5 and 15 days after timed artificial insemination (TAI) on pregnancy rate and pregnancy loss in lactating dairy cows subjected to synchronization of ovulation. The study included 831 lactating cows. On the day of TAI (day 0), cows were randomly assigned to one of four experimental groups. Cows in group 1 (n = 214) were treated with GnRH on day 5; cows in group 2 (n = 209) were treated with GnRH on day 15; cows in group 3 (n = 212) were treated with GnRH on both day 5 and Day 15; and cows in group 4 (n = 196) were not treated. Pregnancy rate was evaluated at day 27 and day 45 after TAI. The interestrus interval and proportion of cows diagnosed not pregnant based on expression of estrus before ultrasonography on day 27 were determined. Results of this study are: GnRH treatment on day 5 or day 15 did not increase pregnancy rate or reduce pregnancy loss between day 27 and day 55 after TAI; cows treated with GnRH on both day 5 and day 15 had a lower (P < 0.01) proportion of cows diagnosed not pregnant based on expression of estrus before ultrasonography on day 27 (26.5%) compared to control cows (52.9%), and these cows had an extended (P = 0.05) interestrus interval (23.4 days vs. 21.5 days); and GnRH treatment on both day 5 and day 15 after TAI reduced pregnancy rate on day 27 (36.8% vs. 44.4% for control cows; P < 0.01) and day 55 (28.3% vs. 56.2% for control cows; P < 0.01). Therefore, strategies to stimulate CL function using multiple doses of GnRH during the luteal phase need to consider potential negative effects.
## OFFICERS

### President
Dr. Dwight Wolfe  
Auburn Univ CVM  
Large Animal Clinic  
Auburn, AL 36849-5522  
Phone: 334/844-4490  
Fax: 334/844-6715  
wolfed@vetmed.auburn.edu  
(term expires 2005)

### Vice-President
Dr. Peter Chenoweth  
KS State University CVM  
Dept of Clinical Sciences  
Manhattan, KS 66506-5606  
Phone: 785/532-4257  
Fax: 785/532-4309  
peeter@vet.ksu.edu  
(term expires 2005)

### Immediate Past President
Dr. Fred D. Lehman  
Pfizer Animal Health  
150 E. 42nd Street (150/41/23)  
New York, NY 10017-5755  
Phone: 212/733-8714  
Fax: 212/883-5260  
Fred.D.Lehman@pfizer.com  
(term expires 2005)

### President-Elect
Dr. Walter Zent  
Hagyard-Davidson and McGee Associates  
4250 Iron Works Pike  
Lexington, KY 40511-8412  
Phone: 859/255-8741  
Fax: 859/253-0196  
wzent@aol.com  
(term expires 2005)

### Secretary-Treasurer
Dr. Janet Hoke  
Valley Veterinary Clinic  
Rt 2, Box 239  
Pickaway, WV 24976  
Phone: 304/772-3572  
Fax: 304/772-3270  
tym_mar_farms@hotmail.com  
(term expires 2005)

### Immediate Past President
Dr. Dwight Wolfe  
Auburn Univ CVM  
Large Animal Clinic  
Auburn, AL 36849-5522  
Phone: 334/844-4490  
Fax: 334/844-6715  
wolfed@vetmed.auburn.edu  
(term expires 2005)

### President-Elect
Dr. Walter Zent  
Hagyard-Davidson and McGee Associates  
4250 Iron Works Pike  
Lexington, KY 40511-8412  
Phone: 859/255-8741  
Fax: 859/253-0196  
wzent@aol.com  
(term expires 2005)

### Secretary-Treasurer
Dr. Janet Hoke  
Valley Veterinary Clinic  
Rt 2, Box 239  
Pickaway, WV 24976  
Phone: 304/772-3572  
Fax: 304/772-3270  
tym_mar_farms@hotmail.com  
(term expires 2005)

## DIRECTORS

### Dr. Ana Adams
Hamby Road Animal Hospital  
3785 Hamby Road  
Alpharetta, GA 30004  
Phone: 770/521-1314  
Fax: 770/521-1349  
amontes@adelphia.net  
(term expires 2006)

### Dr. James Brendemuehl
1008 West Hazelwood Dr.  
Urbana, IL 61802  
Phone: 217/244-0594  
Fax: 217/333-7126  
jpbvdvm@uiuc.edu  
(term expires 2006)

### Dr. Tamara Dobbie
3181 Holley Rd  
Glen Rock, PA 17327  
Phone: 717/227-0683  
dobbietamara@aol.com  
(term expires 2007)

### Dr. Richard Hopper
MS State Univ CVM  
Dept of Pathobiology/Pop Med  
Box 6100  
Mississippi State, MS 39762  
Phone: 662/325-7194  
hopper@cvmed.msstate.edu  
(term expires 2007)

### Dr. Scott Pretzer
Abilene Animal Hospital, PA.  
320 NE 14th Street  
Abilene, KS 67410  
Phone: 785/263-2301  
Fax: 785/263-2925  
spretzer@aaahpa.com  
(term expires 2007)

### Dr. Tom Riddle
Rood & Riddle Equine Hospital  
PO Box 12070  
Lexington, Kentucky 40580-2070  
Phone: 859/233-0371  
Fax: 859/233-5367  
triddle@roodandriddle.com  
(term expires 2005)

### Dr. Carlos Risco
University of Florida  
9613 SW 53rd Rd  
Gainesville, Florida 32608  
Phone: 352/392-4700  
Fax: 352/392-7551  
riscoc@mail.vetmed.ufl.edu  
(term expires 2005)

### Dr. Ahmed Tibary
Washington State University  
Dept of Vet Clinical Sci  
Pullman, Washington 99164-6610  
Phone: 509/335-1963  
Fax: 509/335-0880  
tibary@vetmed.wsu.edu  
(term expires 2005)

### Dr. Gary Warner
Elgin Veterinary Hospital  
P.O. Box 629  
Elgin, TX 78621  
Phone: 512/285-3375  
Fax: 512/285-3398  
gwarner@elginvet.com  
(term expires 2006)

### Editor
Dr. Robert S. Youngquist  
Univ of Missouri CVM  
A-315 Clydesdale Hall  
379 East Campus Drive  
Columbia, MO 65211  
Phone: 573/882-6857  
Fax: 573/884-5444  
youngquistR@missouri.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@franzmg.com