

**SOUTHERN SECTION**

**American Society  
of Animal Science**

**ANNUAL  
MEETING**

**February 14–18, 2004  
Tulsa, Oklahoma**

**In Conjunction with the 101<sup>st</sup>  
Annual Convention  
of the Southern Association  
of Agricultural Scientists**

**AMERICAN SOCIETY OF ANIMAL SCIENCE  
OFFICERS  
2003-2004**

Dr. Terry D. Etherton, President  
The Pennsylvania State University  
University Park, PA

Dr. James R. Males, President Elect  
Oregon State University  
Corvallis, OR

Dr. James W. Lauderdale, Past President  
Lauderdale Enterprises  
Augusta, MI

Paula Schultz, Associate Executive Director  
American Society of Animal Science  
Savoy, IL

Dr. J. Joe Ford, Program Chair  
U.S. Meat and Animal Research Center  
Clay Center, NE

Dr. Gary L. Williams, Recording Secretary  
Texas A&M University  
Beeville, TX

**ASAS SOUTHERN SECTION OFFICERS**

Dr. Kenneth L. Esbenshade, President  
North Carolina State University  
Raleigh, NC

Dr. Jerome F. Baker, President Elect  
University of Georgia CAES Campus  
Tifton, GA

Dr. Ronald D. Randel, Secretary-Treasurer  
Texas A&M University  
Overton, TX

Dr. Dale A. Coleman, Secretary-Treasurer Elect  
Auburn University  
Auburn, AL

Dr. Debra K. Aaron, Past President  
University of Kentucky  
Lexington, KY

# **Award Sponsors**

## **2004 Southern Section ASAS**

The Southern Section of the American Society of Animal Science expresses appreciation to the following organizations for financial assistance:

### **Swine Industry Award for Innovation**

National Pork Board  
Des Moines, IA

### **Young Animal Scientist – Research**

Elanco Animal Health  
Greenfield, IN

### **Extension Award**

Boehringer Ingelheim  
Vetmedica, Inc.  
St. Joseph, MO

### **Young Animal Scientist – Education**

### **Undergraduate Paper Competition**

Fuller Supply Company, Inc.  
Birmingham, AL

### **Graduate Student Awards Competition**

Agri Laboratories, Southeast Region

# **Southeastern Regional Academic Quadrathlon**

February 13 – 16, 2004

## **Schedule of Events**

### **Friday, February 13**

Advisor's Meeting

Best Western Hotel

Stillwater, OK

### **Saturday, February 14**

8:00 am – Noon – Lab Practicum

1:00 pm – 5:00 pm – Written Exam

Stillwater, OK

### **Sunday, February 15**

8:00 am – 5:00 pm — Quiz Bowl

8:00 am – 5:00 pm — Oral Presentations

Tulsa, OK

### **Monday, February 16**

8:00 am – Final Quiz Bowl Round

Tulsa, OK

# PROGRAM EVENTS

|  |             |                       |
|--|-------------|-----------------------|
| <b>Friday, February 13</b>                                 | <b>P.M.</b> | <b>Room</b>           |
| Academic Quadrathlon                                       |             | Best Western<br>Hotel |
| Advisor's Meeting  |             | Stillwater,<br>OK     |
| <b>Saturday, February 14</b>                               | <b>A.M.</b> | <b>Room</b>           |
| Academic Quadrathlon                                       |             |                       |
| Lab Practicum  | 8:00–Noon   | Stillwater,<br>OK     |
|  | <b>P.M.</b> |                       |
| Academic Quadrathlon                                       |             |                       |
| Written Exam   | 1:00–5:00   | Stillwater,<br>OK     |
| <b>Sunday, February 15</b>                                 | <b>A.M.</b> | <b>Room</b>           |
| Academic Quadrathlon                                       | 8:00–Noon   |                       |
| Quiz Bowl  | 8:00–Noon   | Directors<br>Row 3    |
| Quiz Bowl  | 8:00–Noon   | Studio 304            |
| Oral Presentations   | 8:00–Noon   | Studio 302            |
| Oral Presentations-<br>Preparation                         | 8:00–Noon   | Studio 301            |
| Oral Presentations-<br>Preparation                         | 8:00–Noon   | Studio 303            |
| Oral Presentations-<br>Preparation                         | 8:00–Noon   | Studio 315            |
| Oral Presentations-<br>Preparation                         | 8:00–Noon   | Studio 306            |
|  | <b>P.M.</b> |                       |
| Registration   | 1:00–5:00   |                       |
| Academic Quadrathlon                                       | 1:00–5:00   |                       |
| Quiz Bowl  | 1:00–5:00   | Directors<br>Row 3    |
| Quiz Bowl  | 1:00–5:00   | Studio 304            |
| Oral Presentations   | 1:00–5:00   | Studio 302            |
| Oral Presentations-<br>Preparation                         | 1:00–5:00   | Studio 301            |
| Oral Presentations-<br>Preparation                         | 1:00–5:00   | Studio 303            |
| Oral Presentations-<br>Preparation                         | 1:00–5:00   | Studio 315            |
| Oral Presentations-<br>Preparation                         | 8:00–Noon   | Studio 306            |
| Enhancing Reproductive<br>Efficiency In Cattle –<br>IEG-72 | 1:00–5:00   | Directors<br>Row 1    |

|   |             |                      |
|---|-------------|----------------------|
| IEG-75  | 1:00–4:00   | Directors<br>Row 4   |
| Advisory Committee/<br>Executive Committee      | 5:00–8:00   | Executive<br>Suite   |
| <b>Monday, February 16 A.M.</b>                 |             | <b>Room</b>          |
| Registration                                    | 7:00–Noon   |                      |
| Academic Quadrathlon                            | 8:00–Noon   | Promenade<br>Salon B |
| Graduate Student Paper<br>Competition           | 9:00–Noon   | Promenade<br>Salon A |
|   | <b>P.M.</b> |                      |
| Registration                                    | 1:00–5:00   |                      |
| ARPAS Exams                                     | 1:00–5:00   | Studio 302           |
| Extension I                                     | 1:00–5:00   | Directors<br>Row 1   |
| Pasture & Forages                               | 1:00–5:00   | Promenade<br>Salon A |
| Swine Physiology &<br>Undergraduate<br>Teaching | 1:00–5:00   | Promenade<br>Salon B |
| Ruminant Animal<br>Production                   | 1:00–5:00   | Directors<br>Row 3   |
| Small Ruminant I&II                             | 1:00–5:00   | Directors<br>Row 2   |
| Business Meeting                                | 5:00        | Promenade<br>Salon A |
| <b>Tuesday, February 17 A.M.</b>                |             |                      |
| Registration                                    | 8:00–Noon   |                      |
| ARPAS Exams                                     | 8:00–Noon   | Studio 302           |
| Extension                                       | 9:00–Noon   | Directors<br>Row 1   |
| Meats   | 9:00–Noon   | Directors<br>Row 4   |
| Small Ruminant                                  | 8:00–Noon   | Directors<br>Row 3   |
| Extension Luncheon                              | Noon–2:00   | Promenade<br>Salon A |
|   | <b>P.M.</b> |                      |
| Breeding & Genetics                             | 1:00–5:00   | Directors<br>Row 2   |
| Physiology II                                   | 1:00–5:00   | Directors<br>Row 3   |
| Pasture & Forages II                            | 1:00–5:00   | Directors<br>Row 5   |

# Graduate Student Competition

Room: Promenade Salon A

Monday 9:00 - Noon

Chair: L. Wayne Green, Texas Agricultural  
Experiment Station, Amarillo, TX

| Abstract | Time  |   |
|----------|-------|---|
| 45       | 9:00  | Characterization of leptin levels in <i>callipyge</i> sheep. J. N. Fleming* <sup>1</sup> , S. P. Jackson <sup>1</sup> , D. H. Keisler <sup>2</sup> , S. J. Schweers <sup>1</sup> , J. R. Blanton, Jr. <sup>1</sup> , <sup>1</sup> Texas Tech University, <sup>2</sup> University of Missouri  |
| 46       | 9:15  | Utilization of chemical treatments to reduce <i>Escherichia coli</i> O157:H7 from inoculated cattle manure S. L. Krumpelman* <sup>1</sup> , J. K. Apple <sup>1</sup> , E. B. Kegley <sup>1</sup> , M. G. Johnson <sup>1</sup> , S. E. Watkins <sup>1</sup> , <sup>1</sup> University of Arkansas, Fayetteville  |
| 47       | 9:30  | Effect of P.G. 600 on the timing of ovulation in gilts treated with Regu-mate B.R. Horsley* <sup>1</sup> , M.J. Estienne <sup>1</sup> , S.H. Purcell <sup>1</sup> , H.K. Baitis <sup>1</sup> , W.E. Beal <sup>1</sup> , A.F. Harper <sup>1</sup> , J.W. Knight <sup>1</sup> , <sup>1</sup> Virginia Polytechnic Institute and State University, Blacksburg  |
| 48       | 9:45  | Effects of IGF-1 and -2 on pregnancy associated plasma protein-A (PAPP-A) gene expression in bovine granulosa and theca cells: assessment by quantitative RT-PCR. Pauline Y. Aad* <sup>1</sup> , Consuelo A. T. Santiago <sup>1</sup> , Justin L. Voge <sup>1</sup> , Jerry R. Malayer <sup>1</sup> , Leon J. Spicer <sup>1</sup> , <sup>1</sup> Oklahoma State University                                      |
| 49       | 10:00 | Behavior of pregnant gilts and sows in crates or pens fed either by a single drop or by trickle feeding L.E. Hulbert* <sup>1</sup> , J.L. Morrow <sup>2</sup> , J. Dailey <sup>2</sup> , J.J. McGlone <sup>1</sup> , <sup>1</sup> Pork Industry Institute, Texas Tech University, <sup>2</sup> Livestock Issues Research Unit, USDA-ARS   |
|          | 10:15 | Break   |
| 50       | 10:45 | Effects of implant strategy on lipid deposition in finished beef cattle KR Smith* <sup>1</sup> , TD Pringle <sup>1</sup> , SK Duckett <sup>1</sup> , MG Gillis <sup>1</sup> , CE Realini <sup>1</sup> , <sup>1</sup> University of Georgia  |
| 51       | 11:00 | Melanoma in horses: A review of 245 cases C. G. Knehr* <sup>1,2</sup> , J. L. Robertson <sup>2</sup> , R. K. Splan <sup>1</sup> , <sup>1</sup> Department of Animal and Poultry Sciences, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, <sup>2</sup> Center for Comparative Oncology, VMRCVM, Virginia Polytechnic Institute and State University, Blacksburg, Virginia            |
| 52       | 11:15 | Effects of feeding a modified yeast cell wall preparation upon the occurrence of fescue toxicosis in mares. A.I. Orr* <sup>1</sup> , D.L. Christiansen <sup>1</sup> , B.J. Rude <sup>1</sup> , N.M. Filipov <sup>1</sup> , B.P. Fitzgerald <sup>2</sup> , P.L. Ryan <sup>1</sup> , <sup>1</sup> Mississippi State University, <sup>2</sup> University of Kentucky   |
| 53       | 11:30 | Forage intake and performance of early-weaned calves grazing rye-ryegrass pastures and receiving three levels of supplementation J.M.B. Vendramini* <sup>1,2</sup> , L.E. Sollenberger <sup>1</sup> , J.D. Arthington <sup>2</sup> , J.D. Debeux, Jr. <sup>1</sup> , <sup>1</sup> University of Florida, Department of Agronomy, <sup>2</sup> University of Florida, Range Cattle Research and Education Center |

- 54 11:45 Physiological indicators of performance and feed efficiency traits in growing steers and bulls E. G. Brown\*<sup>1</sup>, G. E. Carstens<sup>1</sup>, J. T. Fox<sup>1</sup>, K. O. Curley, Jr.<sup>1</sup>, T. M. Bryan<sup>1</sup>, L. J. Slay<sup>1</sup>, T. H. Welsh, Jr.<sup>1</sup>, R. D. Randel<sup>2</sup>, J. W. Holloway<sup>3</sup>, D.H. Keisler<sup>4</sup>, <sup>1</sup>Texas Agricultural Experiment Station, College Station, <sup>2</sup>Texas Agricultural Experiment Station, Overton, <sup>3</sup>Texas Agricultural Experiment Station, Uvalde, <sup>4</sup>University of Missouri

## Pastures and Forages I

Room: Promenade Salon A

Monday 1:00 – 4:00

Chairs: John Stuedemann and John Andrae,  
USDA-ARS and University of Georgia, Athens, GA

| Abstract | Time |  |
|----------|------|--|
| 1        | 1:00 | <b>Invited Paper:</b> Designing supplements for stocker cattle grazing wheat pasture Gerald W. Horn, Oklahoma State University, Stillwater   |
| 2        | 1:30 | Influence of forage blend and cultivation method on cool season forage availability for beef cattle grazing R. O. Myer* <sup>1</sup> , A. R. Blount <sup>1</sup> , <sup>1</sup> University of Florida  |
| 3        | 1:45 | Evaluation of cool-season annual grasses interseeded into bermudagrass sod for growing cattle P. A. Beck* <sup>1</sup> , S. A. Gunter <sup>1</sup> , C. B. Stewart <sup>1</sup> , J. M. Phillips <sup>1</sup> , <sup>1</sup> University of Arkansas, Southwest Research and Extension Center   |
| 4        | 2:00 | Effect of planting date and stocking rate on growth performance of cattle and grain yield in a dual-purpose winter wheat system B. G. Fieser* <sup>1</sup> , G. W. Horn <sup>1</sup> , E. G. Krenzer <sup>1</sup> , F. M. Epplin <sup>1</sup> , <sup>1</sup> Oklahoma Agricultural Experiment Station, Stillwater  |
|          | 2:15 | Break  |
| 5        | 2:45 | <b>Invited Paper:</b> Potential of seeded bermudagrasses for forage and animal production Larry Redmon, Texas A&M University, Overton  |
| 6        | 3:15 | Tall fescue vs. small grains as components of year-round stocker grazing systems. K.S. Lusby* <sup>1</sup> , S.A. Gunter <sup>1</sup> , D.S. Hubbell III <sup>6</sup> , <sup>1</sup> Division of Agriculture, University of Arkansas   |
| 7        | 3:30 | Cool-season annual pasture with legumes to supplement wintering beef cows W. A. Whitworth <sup>1</sup> , T. G. Montgomery <sup>1</sup> , S. A. Gunter <sup>2</sup> , <sup>1</sup> University of Arkansas SEREC, Monticello, <sup>2</sup> University of Arkansas SWREC, Hope  |
| 8        | 3:45 | Assessment of a modified Merrill grazing system in South Texas. K. K. Porter* <sup>1</sup> , J. A. Ortega-S. <sup>2</sup> , S. D. Lukefahr <sup>1</sup> , R. L. Stanko <sup>1</sup> , <sup>1</sup> Department of Animal and Wildlife Sciences, Texas A&M University-Kingsville, <sup>2</sup> Department of Animal and Wildlife Sciences, Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville |



# Extension I

Room: Directors Row 1

Monday 1:30 – 4:15

Chair: John Hall, Virginia Tech, Blacksburg, VA

| Abstract | Time |   |
|----------|------|---|
| 28       | 1:30 | Assessment of awareness and constraints in production of Guinea fowl in Tennessee and other parts of the United States. S. N. Nahashon <sup>1</sup> , A. Amenyenu* <sup>1</sup> , S. Muhammad <sup>1</sup> , N. Adefope <sup>1</sup> , D. Wright <sup>1</sup> , <sup>1</sup> Institute of Agricultural and Environmental Research, Tennessee State University |
| 29       | 1:45 | Spray dried plasma in the initial post-weaning diet improves pig performance during phase I with no effects in subsequent diet phases J. Zhao <sup>1</sup> , A. F. Harper* <sup>1</sup> , K. E. Webb, Jr. <sup>1</sup> , M. J. Estienne <sup>1</sup> , <sup>1</sup> Virginia Polytechnic Institute and State University, Blacksburg                           |
| 30       | 2:00 | Arkansas EIA verification program- A partnership of extension, industry, and regulatory. S. M. Jones* <sup>1</sup> , <sup>1</sup> University of Arkansas Cooperative Extension Service  |
| 31       | 2:15 | An inventive approach: Horse ownership courses. O. F. Harper <sup>1</sup> , J. Hall <sup>1</sup> , J. Goddard <sup>1</sup> , J. Rhea <sup>1</sup> , M. Bedwell <sup>1</sup> , <sup>1</sup> University of Tennessee  |
| 32       | 2:30 | 4-H high adventure horse packing program. S.M. Jones* <sup>1</sup> , <sup>1</sup> University Of Arkansas Cooperative Extension Service  |
|          | 2:45 | Break   |
| 33       | 3:15 | Telephone survey of small ruminant parasite control and management in the Mid-Atlantic Region. J.P. Tritschler* <sup>1</sup> , M.P.L. Dismann <sup>1</sup> , B.L. Sayre <sup>1</sup> , <sup>1</sup> Virginia State University   |
| 34       | 3:30 | Seasonal mineral imbalances in Tennessee forage systems A.E. Fisher <sup>1</sup> , W.W. Gill* <sup>1</sup> , C.D. Lane, Jr. <sup>1</sup> , D.K. Joines <sup>1</sup> , J.B. Neel <sup>1</sup> , <sup>1</sup> University of Tennessee   |
| 35       | 3:45 | Soil forage mineral interrelationships A.E. Fisher <sup>1</sup> , C.D. Lane, Jr.* <sup>1</sup> , W.W. Gill <sup>1</sup> , D.K. Joines <sup>1</sup> , J.B. Neel <sup>1</sup> , <sup>1</sup> University of Tennessee  |
| 36       | 4:00 | Assessing impact of Extension programming for correcting mineral imbalances and deficiencies in Tennessee beef cattle J.B. Neel* <sup>1</sup> , W.W. Gill <sup>1</sup> , C.D. Lane, Jr. <sup>1</sup> , D.K. Joines <sup>1</sup> , A.E. Fisher <sup>1</sup> , <sup>1</sup> University of Tennessee   |

# Swine Physiology, Undergraduate Competition, and Teaching

Room: Promenade Salon B

Monday 1:00 – 4:15

Chair: Brian Rude, Mississippi State University,  
Mississippi State, MS

## Abstract Time

- 64 1:00 **Invited Paper:** A reevaluation of measures of boar fertility Billy Flowers, North Carolina State University, Raleigh
- 65 2:00 Effects of fasting and development on leptin and PPAR $\gamma$  gene expression in various fat depots CW O’Gorman\*<sup>1</sup>, Y Matsumoto<sup>1</sup>, MR Garcia<sup>1</sup>, <sup>1</sup>Texas A&M University-Kingsville, Department of Animal and Wildlife Sciences, Kingsville, TX
- 66 2:15 Dehydroepiandrosterone-sulfate (DHEAS) enhances *in vitro* lymphocyte function and improves immunization response in pigs N. Burdick\*<sup>1</sup>, J. Dominguez<sup>1</sup>, T.H. Welsh, Jr<sup>2</sup>, J.C. Laurenz<sup>1</sup>, <sup>1</sup>Texas A&M University-Kingsville, <sup>2</sup>Texas A&M University, College Station
- 67 2:30 Porcine endometrial nitric oxide synthase gene expression and uterine nitric oxide content during estrous cycle and early pregnancy Jackie L. Roberts\*<sup>1</sup>, Jason W. Ross<sup>1</sup>, Morgan D. Ashworth<sup>1</sup>, Jerry R. Malayer<sup>2</sup>, Rodney D. Geisert<sup>1</sup>, <sup>1</sup>Dept. Animal Science, Oklahoma State University, <sup>2</sup>Dept. Physiological Sciences, Oklahoma State University
- 68 2:45 Improving the performance of weaned pigs with natural products J.W. Rounsavall\*<sup>1</sup>, C.A. Newman<sup>1</sup>, F. Neher<sup>2</sup>, J.C. Laurenz<sup>1</sup>, <sup>1</sup>Texas A&M University-Kingsville, <sup>2</sup>Biomin, Inc., Herzogenburg, Austria
- 3:00 Break
- 69 3:30 The physical size of gestating sows. J. J. McGlone<sup>1</sup>, B. Vines<sup>2</sup>, A. C. Rudine<sup>1</sup>, P. Dubois<sup>2</sup>, <sup>1</sup>Pork Industry Institute, Department of Animal and Food Science, Texas Tech University, Lubbock, TX 79409-2141, <sup>2</sup>Cargill Pork, Inc., Russellville, AR 72811
- 70 3:45 Libido after PGF<sub>2a</sub> treatment in boars with suppressed circulating concentration of gonadal steroids. M.J. Estienne\*<sup>1</sup>, A.F. Harper<sup>1</sup>, J.W. Knight<sup>1</sup>, C.R. Barb<sup>2</sup>, G.B. Rampacek<sup>3</sup>, <sup>1</sup>Virginia Polytechnic Institute and State University, Blacksburg, <sup>2</sup>USDA-ARS, Athens, GA, <sup>3</sup>University of Georgia, Athens
- 71 4:00 Teaching hands-on International agriculture with emphasis in Mexico. J. A. Ortega-S<sup>1</sup>, J. A. Hinojosa<sup>2</sup>, R. L. Stanko<sup>3</sup>, <sup>1</sup>Department of Animal and Wildlife Sciences, Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville, <sup>2</sup>College of Agricultural & Human

## **Ruminant Animal Production**

**Room: Directors Row 3**

**Monday 1:00 – 5:15**

**Chair: Michael Brown, West Texas A&M,  
Canyon, TX**

### **Abstract Time**

- 90 1:00 Effects of Component TES® and Revalor S® in a single implant or reimplant program on buller incidence, feedlot performance, and carcass characteristics of yearling steers B. L. Voyles\*<sup>1</sup>, M. S. Brown<sup>2</sup>, R. S. Swingle<sup>1</sup>, K. J. Karr<sup>1</sup>, <sup>1</sup>Cactus Feeders, <sup>2</sup>West Texas A&M University
- 91 1:15 Performance of market cows consuming composted broiler litter, corn or soyhulls, and hay. S. M. DeRouen\*<sup>1</sup>, D. W. Sanson<sup>2</sup>, D. H. Foster<sup>3</sup>, <sup>1</sup>Louisiana State University Agricultural Center, Homer, <sup>2</sup>Louisiana State University Agricultural Center, Rosepine, <sup>3</sup>Louisiana Department of Agriculture, Baton Rouge
- 92 1:30 Wheat pasture bloat dynamics and mitigation with tannins. B.R. Min\*<sup>1</sup>, W.E. Pinchak<sup>1</sup>, J.D. Fulford<sup>1</sup>, R. Puchala<sup>2</sup>, R.J. Gill<sup>1</sup>, <sup>1</sup>Texas A & M Agricultural and Extension Center, Vernon, TX, <sup>2</sup>E (kika) de la Garza American Institute for Goat Research, Langston, OK
- 93 1:45 Effects of a dietary sweetener on feedlot performance and carcass characteristics of beef steers C.D. Drager\*<sup>1</sup>, M.S. Brown<sup>1</sup>, E.M. Cochran<sup>1</sup>, E.A. Lauterbach<sup>1</sup>, T.J. Biggs<sup>1</sup>, W. Rounds<sup>2</sup>, <sup>1</sup>Division of Agriculture, West Texas A&M University, <sup>2</sup>Prince Agri Products, Inc.
- 94 2:00 Intake and digestibility of hay fed to beef cows supplemented with de-oiled rice bran T. C. Losi<sup>2</sup>, S. A. Gunter\*<sup>1</sup>, P. A. Beck<sup>1</sup>, S. Hutchison<sup>1</sup>, M. S. Gadberry<sup>3</sup>, P. Capps<sup>1</sup>, <sup>1</sup>University of Arkansas Southwest Research & Extension Center, Hope, <sup>2</sup>Universidade Estadual Paulista - Faculdade de Medicina Veterinaria e Zootecnia, Botucatu, SP Brasil, <sup>3</sup>University of Arkansas Cooperative Extension Service, Little Rock
- 95 2:15 Relationship between measures of cow and calf temperament and live animal body composition traits in calves at weaning R. C. Vann\*<sup>1</sup>, J. F. Baker<sup>2</sup>, R. D. Randel<sup>3</sup>, <sup>1</sup>MAFES-Brown Loam Experiment Station, <sup>2</sup>University of Georgia-Tifton Campus, <sup>3</sup>Texas Agricultural Research & Extension Center
- 96 2:30 Investigation of Factors Influencing Feedlot Performance and Profitability in the 2001-2002 Texas A&M Ranch to Rail Program-South K. W. Harborth\*<sup>1</sup>, A. D. Herring<sup>1</sup>, J. C. Paschal<sup>1</sup>, <sup>1</sup>Texas A&M University

- 97 2:45 Weaning date and pasture rotation frequency effects on forage measurements and performance by fall-born calves grazing tall fescue pastures. K. P. Coffey\*<sup>1</sup>, W. K. Coblenz<sup>1</sup>, T. F. Smith<sup>1</sup>, J. E. Turner<sup>1</sup>, D. S. Hubbell, III<sup>1</sup>, D. A. Scarbrough<sup>1</sup>, B. C. McGinley<sup>1</sup>, C. F. Rosenkrans, Jr.<sup>1</sup>, <sup>1</sup>University of Arkansas
- 3:00 Break
- 98 3:15 Digestibility and protein utilization in steers fed corn and pearl millet diets. G. M. Hill\*<sup>1</sup>, W. W. Hanna<sup>2</sup>, B. C. Hand<sup>1</sup>, A. E. Coy<sup>1</sup>, B. G. Mullinix, Jr.<sup>1</sup>, <sup>1</sup>University of Georgia, Coastal Plain Expt. Sta., Tifton, GA/USA, <sup>2</sup>USDA-ARS, Coastal Plain Expt. Sta., Tifton, GA/USA
- 99 3:30 Performance of yearling stocker cattle of different biological types in a management-intensive grazing system M. L. Thomas\*<sup>1</sup>, D. W. Kellogg<sup>1</sup>, A. H. Brown, Jr.<sup>1</sup>, Z. B. Johnson<sup>1</sup>, C. P. West<sup>1</sup>, <sup>1</sup>University of Arkansas
- 100 3:45 Byproduct-based diets for finishing beef steers. M.H. Poore\*<sup>1</sup>, <sup>1</sup>North Carolina State University
- 101 4:00 Relationships between temperament and growth traits in crossbred steers R. C. Vann\*<sup>1</sup>, B. Macoon<sup>1</sup>, J. D. Perkins<sup>1</sup>, R. D. Randel<sup>2</sup>, <sup>1</sup>MAFES-Brown Loam Experiment Station, <sup>2</sup>Texas Agricultural Research and Extension Center
- 102 4:15 Effects of a sunflower seed supplement on performance and reproduction of beef cows and their progeny J.P. Banta\*<sup>1</sup>, D.L. Lalman<sup>1</sup>, R.P. Wettemann<sup>1</sup>, <sup>1</sup>Oklahoma State University
- 103 4:30 Calving primiparous Braford heifers at two- versus three-years of age S. Galindo-Gonzalez\*<sup>1,2</sup>, J.D. Arthington<sup>1</sup>, S.W. Coleman<sup>3</sup>, A. de Vries<sup>2</sup>, <sup>1</sup>University of Florida, Range Cattle Research and Education Center, Ona, <sup>2</sup>University of Florida, Department of Animal Sciences, Gainesville, <sup>3</sup>USDA-ARS Subtropical Agricultural Research Station, Brooksville
- 104 4:45 Effect of different levels and oscillating digestible intake protein on performance and blood urea nitrogen concentration of beef calves R. Shanklin\*<sup>1</sup>, G. Scaglia<sup>1</sup>, J. P. Fontenot<sup>1</sup>, <sup>1</sup>Virginia Polytechnic Institute and State University
- 105 5:00 The effects of antimicrobial use on the performance of newly received cattle S. Hutchison\*<sup>1</sup>, P. A. Beck<sup>1</sup>, S. A. Gunter<sup>1</sup>, <sup>1</sup>University of Arkansas Southwest Research & Extension Center, Hope

# **Small Ruminant Production I - Genetics and Breed Evaluation**

**Room: Directors Row 2**

**Monday 1:00 – 3:00**

**Chair: Richard Browning, Jr., Tennessee State  
University, Nashville, TN**

## **Abstract Time**

- 106 1:00 Genetic evaluation opportunities for small ruminants D. R. Notter\*<sup>1</sup>, <sup>1</sup>Virginia Polytechnic Institute & State University
- 107 1:45 Growth and parasite resistance of pasture-raised Dorper-, Texel-, and Suffolk-sired Katahdin crossbred lambs D. J. Jackson\*<sup>1</sup>, N.C. Whitley<sup>1</sup>, J.W. Lemaster<sup>2</sup>, C.M. Fletcher<sup>1</sup>, S. Schoenian<sup>2</sup>, <sup>1</sup>University of Maryland Eastern Shore, <sup>2</sup>Maryland Cooperative Extension
- 108 2:00 Production traits of St. Croix White and Dorper X St. Croix White lambs grazing native pasture during the dry season in the US Virgin Islands R.W. Godfrey\*<sup>1</sup>, A.J. Weis<sup>1</sup>, R.E. Dodson<sup>1</sup>, <sup>1</sup>University of the Virgin Islands, Agricultural Experiment Station
- 109 2:15 Evaluation of Boer and Kiko goats for doe-kid performance to weaning. R. Browning, Jr.\*<sup>1</sup>, S. H. Kebe<sup>1</sup>, M. Byars<sup>1</sup>, <sup>1</sup>Tennessee State University
- 110 2:30 Genotype  $\times$  environmental interactions in goats. Neville C. Beckford\*<sup>1</sup>, Jackson M. Dzakuma<sup>1</sup>, Eric Risch<sup>1</sup>, Louis C. Nuti<sup>1</sup>, <sup>1</sup>Prairie View A&M University
- 111 2:45 Genetic and environmental effects on phenotypic expression of myotonia in the Myotonic goat. B.L. Sayre\*<sup>1</sup>, S. Wildeus<sup>1</sup>, M. Dismann<sup>1</sup>, J.R. Collins<sup>1</sup>, <sup>1</sup>Virginia State University

# **Small Ruminant Production II - General Management, Marketing, and Internal Parasite Control**

**Room: Directors Row 2**

**Monday 3:15 – 4:45**

**Chair: Steve Hart, Langston University,  
Langston, OK**

## **Abstract Time**

- 112 3:15 Differences in performance of hair sheep lambs and meat goat kids offered high forage diets with a corn-based supplement S. Wildeus\*<sup>1</sup>, K. E. Turner<sup>2</sup>, S. P. Greiner<sup>3</sup>, J. R. Collins<sup>1</sup>, <sup>1</sup>Virginia State University, Petersburg, <sup>2</sup>USDA, ARS, Appalachian Farming Systems Research Center, Beaver, WV, <sup>3</sup>Virginia Tech, Blacksburg
- 113 3:30 Use of ceramic rumen boluses of different sizes for electronic identification of hair sheep lambs S.

- Wildeus\*<sup>1</sup>, J. R. Collins<sup>1</sup>, S. K. Duckett<sup>2</sup>, <sup>1</sup>Virginia State University, Petersburg, <sup>2</sup>University of Georgia, Athens
- 114 3:45 Forecasting models developed from West Virginia lamb sale transactions provide evidence of seasonality of slaughter and feeder lamb prices and a shifting market preference D. Singh-Knights\*<sup>1</sup>, D. Smith<sup>1</sup>, M Knights<sup>1</sup>, <sup>1</sup>West Virginia University
- 115 4:00 The effect of Quebracho tannin supplementation on growth and parasitism in young goats and hair sheep grazing parasite-infected pasture S. Wildeus\*<sup>1</sup>, A. M. Zajac<sup>2</sup>, K. E. Turner<sup>3</sup>, J. R. Collins<sup>1</sup>, <sup>1</sup>Virginia State University, Petersburg, <sup>2</sup>Virginia Tech, Blacksburg, <sup>3</sup>USDA, ARS, Appalachian Farming Systems Research Center, Beaver, WV
- 116 4:15 Effect of copper oxide needles on gastrointestinal parasites in grazing meat goats H.M. Glennon\*<sup>1</sup>, J-M. Luginbuhl<sup>1</sup>, J.P. Mueller<sup>1</sup>, A.M. Zajac<sup>2</sup>, K.L. Anderson<sup>1</sup>, J.W. Spears<sup>1</sup>, T.T. Brown<sup>1</sup>, C. Brownie<sup>1</sup>, <sup>1</sup>North Carolina State University, <sup>2</sup>Virginia-Maryland Regional College of Veterinary Medicine
- 117 4:30 Dose of copper oxide wire particles (COWP) and feed supplement level influences *Haemonchus contortus* infection in lambs Joan M. Burke\*<sup>1</sup>, James E. Miller<sup>2</sup>, <sup>1</sup>USDA, ARS, <sup>2</sup>School of Veterinary Medicine, Louisiana State University

## Extension II

**Room: Directors Row I**

**Tuesday 9:00 – 11:30**

**Chair: Clyde Lane, Jr., University of Tennessee,  
Jackson, TN**

- | Abstract | Time  |   |
|----------|-------|---|
| 37       | 9:00  | Arkansas beef improvement program - whole farm program T. R. Troxel* <sup>1</sup> , M. S. Gadberry <sup>1</sup> , J. A. Jennings <sup>1</sup> , D. E. Kratz <sup>1</sup> , <sup>1</sup> University of Arkansas Cooperative Extension Service  |
| 38       | 9:15  | Arkansas beef improvement program – special projects T. R. Troxel <sup>1</sup> , M. S. Gadberry* <sup>1</sup> , J. A. Jennings <sup>1</sup> , D. E. Kratz <sup>1</sup> , <sup>1</sup> University of Arkansas Cooperative Extension Service  |
| 39       | 9:30  | Arkansas beef improvement program survey T. R. Troxel* <sup>1</sup> , M. S. Gadberry <sup>1</sup> , J. A. Jennings <sup>1</sup> , D. E. Kratz <sup>1</sup> , <sup>1</sup> University of Arkansas Cooperative Extension Service  |
| 40       | 9:45  | Comparison of estrous synchronization and conception rates for two prostaglandin based estrous synchronization protocols for beef heifers. T.W. Wilson* <sup>1</sup> , J.F. Baker <sup>2</sup> , J.H. Pope <sup>3</sup> , M.E. Pence <sup>2</sup> , P. Ham <sup>4</sup> , <sup>1</sup> The University of Georgia, Statesboro, <sup>2</sup> The University of Georgia, Tifton, <sup>3</sup> The University of Georgia, Cooperative Extension Service, <sup>4</sup> Sleepy Creek Farms, Monroe County, GA |
|          | 10:00 | Break   |
| 41       | 10:30 | Development of a chuteside and electronic beef  |

- quality assurance (BQA) record systems J. B. Hall\*<sup>1</sup>, S. P. Greiner<sup>1</sup>, J. F. Currin<sup>1</sup>, W. D. Whittier<sup>1</sup>,  
<sup>1</sup>Virginia Tech
- 42 10:45 Teaching body condition scoring of beef cows using contests Glenn Selk\*<sup>1</sup>, <sup>1</sup>Oklahoma Cooperative Extension Service
- 43 11:00 Factors influencing beef producers participation in preconditioned certified calf sales Manuel D. Corro\*<sup>1</sup>, David Lalman<sup>2</sup>, James D. White<sup>1</sup>, Robert P. Wettemann<sup>2</sup>, <sup>1</sup>Department of Agricultural Education, Oklahoma State University, <sup>2</sup>Department of Animal Science, Oklahoma State University
- 44 11:15 Mississippi farm to feedlot program: ten-year summary J. A. Parish\*<sup>1</sup>, W. B. McKinley<sup>1</sup>, <sup>1</sup>Mississippi State University, Mississippi State, MS

## Meat Science

**Room: Directors Row 4**

**Tuesday 9:00 - Noon**

**Chair: William Mikel, University of Kentucky,  
 Lexington, KY**

### Abstract Time

- 55 9:00 Chemical, fatty acid and sensory characteristics of beef from cattle grazing forages supplemented with soyhulls vs. USDA Choice and Select beef R. T. Baublits\*<sup>1</sup>, F. W. Pohlman<sup>1</sup>, A. H. Brown, Jr.<sup>1</sup>, Z. B. Johnson<sup>1</sup>, D. O. Onks<sup>2</sup>, D. C. Rule<sup>3</sup>, B. A. Sandelin<sup>1</sup>, C. M. Murrieta<sup>3</sup>, <sup>1</sup>University of Arkansas, <sup>2</sup>University of Tennessee, <sup>3</sup>University of Wyoming
- 56 9:15 Effects of supplemental Manganese on pork quality of growing and finishing swine. Adam W. Tittor\*<sup>1</sup>, Jason K. Apple<sup>2</sup>, J. Brad Morgan<sup>1</sup>, <sup>1</sup>Oklahoma State University, <sup>2</sup>University of Arkansas
- 57 9:30 Effects of dietary fat source on performance and carcass composition of growing-finishing swine J. K. Apple\*<sup>1</sup>, C. V. Maxwell<sup>1</sup>, L. K. Rakes<sup>1</sup>, J. D. Stephenson<sup>1</sup>, Z. B. Johnson<sup>1</sup>, W. A. Wallis<sup>1</sup>, S. Hutchison<sup>1</sup>, <sup>1</sup>University of Arkansas
- 58 9:45 Effects of iron supplementation level on performance and carcass characteristics of growing-finishing swine J. K. Apple\*<sup>1</sup>, W. A. Wallis<sup>1</sup>, C. V. Maxwell<sup>1</sup>, L. K. Rakes<sup>1</sup>, T. M. Fakler<sup>2</sup>, <sup>1</sup>University of Arkansas, <sup>2</sup>Zinpro Corporation
- 59 10:00 Adipocyte size distribution in different fat depots in kids receiving fish oil supplemented diet Penka T. Marinova<sup>1</sup>, Veneta B. Banskalieva\*<sup>1</sup>, Veneta L. Tzvetkova<sup>1</sup>, <sup>1</sup>Institute of Animal Science
- 10:15 Break
- 60 10:45 Predicting beef tenderness using near infrared spectroscopy. S. Rust<sup>1</sup>, J. Brad Morgan<sup>1</sup>, S. Jeyamkondan<sup>1</sup>, G. Kranzler<sup>1</sup>, C. Raines\*<sup>1</sup>, <sup>1</sup>Oklahoma State University
- 61 11:15 Impact of subprimal enhancement on postmortem aging and retail shelf life characteristics of fresh beef. Ian R. Shann\*<sup>1</sup>, J. Brad Morgan<sup>1</sup>, Fred

- 62 11:30 K. Ray<sup>1</sup>, <sup>1</sup>Oklahoma State University  
 Use of carbon monoxide packaging system in improving retail characteristics of “comprised” beef cuts. K. Henry<sup>1</sup>, J. Brad Morgan<sup>0</sup>, J. Duggin<sup>1</sup>, M. Fransreb<sup>2</sup>, <sup>1</sup>Oklahoma State University, <sup>2</sup>Cryovac/Sealed Air Corp.
- 63 11:45 Some effects of marinating and *sous vide* cooking on the production of value-added beef pot roasts  
 J. M. Martin<sup>\*1</sup>, J. L. Herring<sup>1</sup>, R. W. Rogers<sup>1</sup>, <sup>1</sup>Mississippi State University

## Physiology 1

**Room: Directors Row 3**

**Tuesday 9:00 – 11:30**

**Chair: John Hall, Virginia Tech, Blacksburg, VA**

### Abstract Time

- 72 9:00 Influence of postpartum nutrition of primiparous beef cows on Insulin-Like Growth Factor-I in follicular fluid and plasma I Rubio<sup>\*1</sup>, FJ White<sup>1</sup>, NH Ciccio<sup>1</sup>, RP Wettemann<sup>1</sup>, LJ Spicer<sup>1</sup>, <sup>1</sup>Oklahoma Agricultural Experiment Station, Stillwater
- 73 9:15 Effects of body condition score at calving and length of the postpartum anovulatory interval on concentrations of steroids, insulin-like growth factor-I, and aromatase mRNA in dominant follicles F.J. White<sup>\*1</sup>, I. Rubio<sup>1</sup>, D.W. Kastner<sup>1</sup>, R.P. Wettemann<sup>1</sup>, L.J. Spicer<sup>1</sup>, <sup>1</sup>Oklahoma Agricultural Experiment Station, Stillwater
- 74 9:30 Free IGF-I in follicular fluid: Relationship with total IGF-I, IGFBP, and steroids in dominant and large subordinate follicles of preovulatory cattle. Consuelo A. T. Santiago<sup>\*1</sup>, Justin L. Voge<sup>1</sup>, Pauline Y. Aad<sup>1</sup>, Dustin T. Allen<sup>1</sup>, Daniel R. Stein<sup>1</sup>, Jerry R. Malayer<sup>1</sup>, Leon J. Spicer<sup>1</sup>, <sup>1</sup>Oklahoma State University
- 75 9:45 Reproductive performance of yearling heifers fed Megalac® before breeding. N. M. Long<sup>\*1</sup>, G. M. Hill<sup>1</sup>, J. F. Baker<sup>1</sup>, W. F. Graves<sup>2</sup>, M. A. Froetschel<sup>2</sup>, B. G. Mullinix, Jr.<sup>1</sup>, <sup>1</sup>University of Georgia, Tifton, GA/USA, <sup>2</sup>University of Georgia, Athens, GA/USA
- 76 10:00 Break
- 76 10:30 Influence of time of insemination after the onset of estrus on pregnancy rate of beef heifers RP Wettemann<sup>\*1</sup>, FJ White<sup>1</sup>, I Rubio<sup>1</sup>, DW Kastner<sup>1</sup>, DL Lalman<sup>1</sup>, <sup>1</sup>Oklahoma Agricultural Experiment Station, Stillwater
- 77 10:45 Pregnancy rate and gestation length of early and late fall calving beef cows. D W Kastner<sup>\*1</sup>, I Rubio<sup>1</sup>, F J White<sup>1</sup>, R P Wettemann<sup>1</sup>, <sup>1</sup>Oklahoma Agricultural Experiment Station
- 78 11:00 Influence of progesterone on estrous characteristics and pregnancy rate of grazing beef cows R. Flores<sup>\*1</sup>, M. L. Looper<sup>2</sup>, D. L. Kreider<sup>1</sup>, C. F. Rosenkrans, Jr.<sup>1</sup>, <sup>1</sup>University of Arkansas, Fayetteville, <sup>2</sup>USDA-ARS, Dale Bumpers Small



- 79 11:15 Farms Research Center, Booneville, AR  
 CIDR and MGA synchronization protocols with  
 timed insemination in beef heifers. Nathan M.  
 Post\*<sup>1</sup>, David L. Kreider<sup>1</sup>, Rick W. Rorie<sup>1</sup>, <sup>1</sup>Uni-  
 versity of Arkansas

## **Small Ruminant Production III - Nutrition and Species Co-grazing**

**Room: Directors Row 3**

**Tuesday 8:00 – 11:15**

**Chair: Joan Burke, USDA-ARS, Booneville, AR**

### **Abstract Time**

- 118 8:00 **Invited Paper:** Nutrient Requirements of Goats:  
 Web-Based Calculator A. L. Goetsch\*<sup>1</sup>, T. A.  
 Gipson<sup>1</sup>, T. Sahlu<sup>1</sup>, R. C. Merkel<sup>1</sup>, <sup>1</sup>E (Kika) de la  
 Garza American Institute for Goat Research,  
 Langston University, Langston, OK
- 119 8:45 Metabolizable protein requirements for mainte-  
 nance and gain of growing goats J. Luo<sup>1</sup>, A. L.  
 Goetsch\*<sup>1</sup>, I. V. Nsahlai<sup>2</sup>, T. Sahlu<sup>1</sup>, <sup>1</sup>E (Kika) de  
 la Garza American Institute for Goat Research,  
 Langston University, Langston, OK, <sup>2</sup>Department  
 of Animal and Poultry Science, University of Natal,  
 Scottsville, R. South Africa
- 120 9:00 Determination of Nitrogen Balance in Goats Fed  
 the Byproduct, Secondary Protein Nutrients S.R.  
 Freeman\*<sup>1</sup>, M.H. Poore<sup>1</sup>, G.B. Huntington<sup>1</sup>,  
<sup>1</sup>North Carolina State University
- 121 9:15 Effects of ruminally protected betaine and cho-  
 line on net flux of nutrients across the portal-  
 drained viscera and liver of meat goats consum-  
 ing diets differing in protein concentration. R.  
 Puchala\*<sup>1</sup>, V. Banskalieva<sup>1</sup>, A.L. Goetsch<sup>1</sup>, J. Luo<sup>1</sup>,  
 T. Sahlu<sup>1</sup>, <sup>1</sup>E (Kika) de la Garza American Insti-  
 tute for Goat Research, Langston University,  
 Langston, OK
- 9:30 Break
- 122 10:00 Content and fatty acid composition of plasma  
 lipids in lactating goats fed sunflower oil supple-  
 mented diet Veneta B. Banskalieva\*<sup>1</sup>, Veneta L.  
 Tzvetkova<sup>1</sup>, Penka T. Marinova<sup>1</sup>, <sup>1</sup>Institute of  
 Animal Science
- 123 10:15 Mixed-species and grazing management effects  
 on the performance of goats: Preliminary Obser-  
 vations. S. Gebrelul<sup>1</sup>, A. Chappell<sup>1</sup>, Y.  
 Ghebreyessus<sup>1</sup>, A. Harris\*<sup>1</sup>, M. Berhane<sup>1</sup>, <sup>1</sup>South-  
 ern University Agricultural Research and Exten-  
 sion Center
- 124 10:30 The effects of mixed-species and grazing manage-  
 ment on the performance of Brangus cows: Early  
 Observations. A. Chappell\*<sup>1</sup>, S. Gebrelul<sup>1</sup>, V.  
 Bachiredy<sup>1</sup>, O. Udoh<sup>1</sup>, G. Simon<sup>1</sup>, <sup>1</sup>Southern  
 University Agricultural Research and Extension  
 Center

- 125      10:45      Effects of stocking rate on grazing behavior of sheep and goats co-grazing mixed pastures G. Animut\*<sup>1,2</sup>, A. L. Goetsch<sup>1</sup>, G. E. Aiken<sup>3</sup>, R. Puchala<sup>1</sup>, G. Detweiler<sup>1</sup>, C. R. Krehbiel<sup>2</sup>, R. C. Merkel<sup>1</sup>, T. Sahlu<sup>1</sup>, L. J. Dawson<sup>4</sup>, Z. B. Johnson<sup>5</sup>, <sup>1</sup>E (Kika) de la Garza American Institute for Goat Research, Langston University, Langston, OK, <sup>2</sup>Animal Science Department, Oklahoma State University, Stillwater, OK, <sup>3</sup>USDA ARS Dale Bumpers Small Farms Research Center, Booneville, AR, <sup>4</sup>College of Veterinary Medicine, Oklahoma State University, Stillwater, OK, <sup>5</sup>Department of Animal Science, University of Arkansas, Fayetteville, AR
- 126      11:00      Effects of stocking rate on performance of sheep and goats co-grazing mixed pastures G. Animut\*<sup>1,2</sup>, A. L. Goetsch<sup>1</sup>, G. E. Aiken<sup>3</sup>, R. Puchala<sup>1</sup>, G. Detweiler<sup>1</sup>, C. R. Krehbiel<sup>2</sup>, R. C. Merkel<sup>1</sup>, T. Sahlu<sup>1</sup>, L. J. Dawson<sup>4</sup>, Z. B. Johnson<sup>5</sup>, <sup>1</sup>E (Kika) de la Garza American Institute for Goat Research, Langston University, Langston, OK, <sup>2</sup>Animal Science Department, Oklahoma State University, Stillwater, OK, <sup>3</sup>USDA ARS Dale Bumpers Small Farms Research Center, Booneville, AR, <sup>4</sup>College of Veterinary Medicine, Oklahoma State University, Stillwater, OK, <sup>5</sup>Department of Animal Science, University of Arkansas, Fayetteville, AR

## Pasture and Forages II

Room: Directors Row 5

Tuesday 1:00 – 3:45

Chairs: John Andrae and John Stuedemann,  
University of Georgia and USDA-ARS, Athens, GA

### Abstract Time

- 9          1:00      **Invited Paper:** Recent advances in legumes for grazing livestock production John G. Andrae, University of Georgia, Athens
- 10        1:30      Evaluation of forage production and quality of triticale cultivars M. Lema<sup>0</sup>, E. Cebert<sup>0</sup>, <sup>1</sup>Tennessee State University, <sup>2</sup>Alabama A & M University
- 11        1:45      Effects of supplementing soybean meal, corn or soybean hulls to steers consuming rice straw on *in vivo* digestibility. Von T. Nguyen\*<sup>1</sup>, Brian J. Rude<sup>1</sup>, David G. St. Louis<sup>1</sup>, <sup>1</sup>Mississippi State University
- 12        2:00      Effects of supplementing soybean meal, corn or soybean hulls to steers consuming rice straw on *in situ* disappearance of rice straw DM and rumen environment. Von T. Nguyen\*<sup>1</sup>, Brian J. Rude<sup>1</sup>, David G. St. Louis<sup>1</sup>, <sup>1</sup>Mississippi State University
- 2:15      Break
- 13        2:45      **Invited Paper:** The role of crabgrass in southern forage systems Ryan Reuter, Noble Foundation, Ardmore, Oklahoma

- 14 3:15 Fiber Composition and NDF Degradation Kinetics of Crabgrass Harvested on Seven Dates in Northern Arkansas R. K. Ogden\*<sup>1</sup>, W. K. Coblenz<sup>1</sup>, K. P. Coffey<sup>1</sup>, J. E. Turner<sup>1</sup>, D. A. Scarbrough<sup>1</sup>, J. A. Jennings<sup>1</sup>, M. D. Richardson<sup>1</sup>, <sup>1</sup>University of Arkansas
- 15 3:30 Effects of diet on performance, reproduction, and economics of market cows grazing stockpiled fescue M. L. Looper\*<sup>1</sup>, G. E. Aiken<sup>2</sup>, R. Flores<sup>3</sup>, C. F. Rosenkrans, Jr.<sup>3</sup>, <sup>1</sup>USDA-ARS, Dale Bumpers Small Farms Research Center, Booneville, AR, <sup>2</sup>USDA-ARS, Forage and Animal Production Research Unit, Lexington, KY, <sup>3</sup>University of Arkansas, Fayetteville, AR

## Breeding and Genetics

**Room: Directors Row 2**

**Tuesday 1:00 – 4:30**

**Chair: David Riley, USDA-ARS, Brooksville, FL**

### Abstract Time

- 16 1:00 Influence of the sex-linked feathering locus on performance and carcass traits of the broiler breeder chickens. S. N. Nahashon\*<sup>1</sup>, J. Bartlett<sup>3</sup>, E. J. Smith<sup>2</sup>, <sup>1</sup>Institute of Agricultural and Environmental Research, Tennessee State University, <sup>2</sup>Department of Animal and Poultry Science, Virginia Polytechnic and State University, <sup>3</sup>Department of Agricultural Sciences, Tuskegee University
- 17 1:15 Evaluation of Romosinuano as straightbreds and crossbreds with Angus and Brahman: preweaning calf traits D. G. Riley\*<sup>1</sup>, C. C. Chase, Jr.<sup>1</sup>, S. W. Coleman<sup>1</sup>, T. A. Olson<sup>2</sup>, <sup>1</sup>USDA, ARS, STARS, <sup>2</sup>Univ. Florida
- 18 1:30 Evaluation of Romosinuano as straightbreds and crossbreds with Angus and Brahman: Stocker and feedlot gains W. A. Phillips\*<sup>1</sup>, S. W. Coleman<sup>2</sup>, D. G. Riley<sup>2</sup>, C. C. Chase, Jr.<sup>2</sup>, H. S. Mayeux<sup>1</sup>, <sup>1</sup>USDA-ARS Grazinglands Research Laboratory, El Reno, OK, <sup>2</sup>USDA-ARS Subtropical Agricultural Research Station, Brooksville, FL
- 19 1:45 Evaluation of Romosinuano as straightbreds and crossbreds with Angus and Brahman: carcass traits S. W. Coleman\*<sup>1</sup>, D. G. Riley<sup>1</sup>, C. C. Chase, Jr.<sup>1</sup>, W. A. Phillips<sup>2</sup>, W. J. Horne<sup>3</sup>, J. H. Byrd<sup>3</sup>, <sup>1</sup>USDA, ARS, SubTropical Agricultural Research Station, Brooksville, FL, <sup>2</sup>USDA, ARS, Grazinglands Research Laboratory, El Reno, OK, <sup>3</sup>Texas Tech University, Lubbock
- 20 2:00 Relationship of Sire Estimated Progeny Differences to Milk Yield in Brangus Cows M. A. Brown\*<sup>1</sup>, S. W. Coleman<sup>2</sup>, D. L. Lalman<sup>3</sup>, <sup>1</sup>USDA-ARS, Grazinglands Research Laboratory, El Reno, OK 73036, <sup>2</sup>USDA-ARS, Subtropical Agricultural Research Station, Brooksville, FL 34601, <sup>3</sup>Oklahoma State University, Stillwater, 74074

- 21      2:15      Differences in calf performance and milk production for daughters of high and low Milk EPD Angus and Hereford bulls. D.G. Bounds\*<sup>1</sup>, R.J. Hammack<sup>1</sup>, S. Erat<sup>1</sup>, D.S. Buchanan<sup>1</sup>, <sup>1</sup>Oklahoma State University
- 2:30      Break
- 22      3:00      Heterosis retention in Brahman-Angus and Brahman-Hereford F<sub>2</sub> cows for reproductive traits and maternal effects on survival and weight traits of their calves. K.L. Key\*<sup>1</sup>, J.O. Sanders<sup>1</sup>, D.K. Lunt<sup>1</sup>, <sup>1</sup>Texas A&M University
- 23      3:15      Evaluation of ultrasound body composition traits among long yearling Brahman bulls D. T. Dean\*<sup>1</sup>, A. D. Herring<sup>1</sup>, <sup>1</sup>Texas A&M University, College Station
- 24      3:30      Residual feed intake of growing bulls and relationships with temperament, fertility and performance traits J.T. Fox\*<sup>1</sup>, G.E. Carstens<sup>1</sup>, E.G. Brown<sup>1</sup>, M.B. White, III<sup>1</sup>, S.A. Woods<sup>1</sup>, T.H. Welsh, Jr.<sup>1</sup>, J.W. Holloway<sup>2</sup>, B.G. Warrington<sup>2</sup>, R.D. Randel<sup>3</sup>, D.W. Forrest<sup>1</sup>, D.K. Lunt<sup>4</sup>, <sup>1</sup>Texas Agriculture Experiment Station, College Station, <sup>2</sup>Texas Agriculture Experiment Station, Uvalde, <sup>3</sup>Texas Agriculture Experiment Station, Overton, <sup>4</sup>Texas Agriculture Experiment Station, McGregor
- 25      3:45      Postpartum maternal behavior score and preweaning calf performance in six breed groups of beef cattle A. H. Brown, Jr.\*<sup>1</sup>, Z. B. Johnson<sup>1</sup>, J. A. Hornsby<sup>1</sup>, B. A. Sandelin<sup>1</sup>, R. T. Baublits<sup>1</sup>, <sup>1</sup>University of Arkansas
- 26      4:00      Effects of climatic and phototrophic conditions prior to feeding on feed intake of beef bulls during feedlot performance tests G. T. Tabler\*<sup>1</sup>, A. H. Brown, Jr.<sup>1</sup>, Z. B. Johnson<sup>1</sup>, E. E. Gbur, Jr.<sup>1</sup>, I. L. Berry<sup>1</sup>, K. C. Thompson<sup>1</sup>, D. W. Kellogg<sup>1</sup>, <sup>1</sup>University of Arkansas
- 27      4:15      Sire breed and dam breed effects on preweaning traits of crossbred and purebred calves from Angus or Hereford dams E. L. Oxford\*<sup>1</sup>, A. H. Brown, Jr.<sup>1</sup>, Z. B. Johnson<sup>1</sup>, <sup>1</sup>University of Arkansas

## **Physiology 2**

**Room: Directors Row 3**

**Tuesday, 1:00 – 4:45**

**Chair: Rhonda Vann, Mississippi State University,  
Brown Loam Branch Experiment Station,  
Raymond, MS**

### **Abstract Time**

- 80      1:00      **Invited Paper:** Breeding Dairy Cattle during summer heat stress: Current strategies, pros and cons Scott T. Willard, Mississippi State University, Starkville
- 81      2:00      Vaginal and skin temperatures of Holstein cows under conditions of heat stress in the tropics R.W.

- Godfrey\*<sup>1</sup>, R.E. Dodson<sup>1</sup>, A.J. Weis<sup>1</sup>, <sup>1</sup>University of the Virgin Islands, Agricultural Experiment Station
- 82 2:15 Production and physiological differences between large and small Holstein cows cooled with fans or fans and sprinklers. S. Bowers\*<sup>1</sup>, S. Gandy<sup>1</sup>, T. Adams<sup>2</sup>, J. Murphey<sup>2</sup>, S. Willard<sup>1</sup>, <sup>1</sup>Mississippi State University, <sup>2</sup>Coastal Plain Experiment Station
- 83 2:30 The effects of brown mid-rib (BMR) corn silage and tunnel ventilation cooling on symptoms of heat stress in lactating dairy cows. R.J. Williams\*<sup>1</sup>, A.M. Chapa<sup>1</sup>, T.O. Riley<sup>2</sup>, D.O. Pouge<sup>2</sup>, S.T. Willard<sup>1</sup>, T.R. Smith<sup>1</sup>, <sup>1</sup>Department of Animal and Dairy Sciences, Mississippi State University, <sup>2</sup>North Mississippi Branch Experiment Station, Holly Springs, MS
- 84 2:45 Relationship between animal temperament and stress physiology in Brahman cows. K. O. Curley, Jr.\*<sup>1</sup>, D. A. Neuendorff<sup>2</sup>, A. W. Lewis<sup>2</sup>, J. J. Cleere<sup>2</sup>, T. H. Welsh, Jr.<sup>1</sup>, R. D. Randel<sup>2</sup>, <sup>1</sup>Texas Agricultural Experiment Station, College Station, <sup>2</sup>Texas Agricultural Experiment Station, Overton
- 3:00 Break
- 85 3:30 Profiling mastitis in dairy cows: A case study of natural infection and thermal responsiveness. S. Schmidt\*<sup>1</sup>, P. Hillman<sup>2</sup>, C. Lee<sup>3</sup>, K. Graves<sup>1</sup>, D. Hostetler<sup>1</sup>, S. Willard<sup>1</sup>, <sup>1</sup>Mississippi State University, <sup>2</sup>Cornell University, <sup>3</sup>University of Hawaii
- 86 3:45 Breedtype influences hypothalamic-pituitary-adrenal axis activity and responsiveness to exogenous bovine corticotropin-releasing hormone (bCRH) in beef steers. L.E. Jonovich\*<sup>1</sup>, R.J. Hollenbeck<sup>1</sup>, K.O. Curley, Jr.<sup>1</sup>, R.D. Randel<sup>2</sup>, T.H. Welsh, Jr.<sup>1</sup>, <sup>1</sup>Texas Agricultural Experiment Station, College Station, <sup>2</sup>Texas Agricultural Experiment Station, Overton
- 87 4:00 Discrimination between two levels of indigenous external parasite burden in free-ranging beef cattle via near infrared reflectance spectroscopy of feces. Pete D. Teel\*<sup>1</sup>, Otto F. Strey<sup>1</sup>, Russell E. Wright<sup>2</sup>, Lisa A. Coburn<sup>2</sup>, Douglas R. Tolleson<sup>1</sup>, Jerry W. Stuth<sup>1</sup>, <sup>1</sup>Texas Agricultural Experiment Station, College Station, <sup>2</sup>Oklahoma Agricultural Experiment Station, Stillwater
- 88 4:15 Effects of a Lone Star tick (*Amblyomma americanum*) burden on growing beef steers: Intake, weight gain, and metabolic indicators. Douglas R. Tolleson\*<sup>1</sup>, Jerry W. Stuth<sup>1</sup>, Pete D. Teel<sup>1</sup>, Otto F. Strey<sup>1</sup>, Tina M. Bryan<sup>1</sup>, Kerry A. Dean<sup>1</sup>, Gordon E. Carstens<sup>1</sup>, Thomas H. Welsh Jr.<sup>1</sup>, <sup>1</sup>Texas Agricultural Experiment Station, College Station
- 89 4:30 Effects of a Lone Star tick (*Amblyomma americanum*) burden on growing beef steers: Near infrared spectra of feces. Douglas R. Tolleson\*<sup>1</sup>, Jerry W. Stuth<sup>1</sup>, Pete D. Teel<sup>1</sup>, Otto F. Strey<sup>1</sup>, Thomas H. Welsh Jr.<sup>1</sup>, Gordon E. Carstens<sup>1</sup>, Kerry A. Dean<sup>1</sup>, <sup>1</sup>Texas Agricultural Experiment Station, College Station

# Southern Section American Society of Animal Science

## Past Presidents

|         |                    |                            |
|---------|--------------------|----------------------------|
| 2002-03 | D. K. Aaron        | University of Kentucky     |
| 2001-02 | T. R. Troxel       | University of Arkansas     |
| 2000-01 | L. L. Southern     | Louisiana State University |
| 1999-00 | R. P. Wettemann    | Oklahoma State University  |
| 1998-99 | J. D. Armstrong    | Purdue University          |
| 1997-98 | D.G. Ely           | University of Kentucky     |
| 1996-97 | P.R. Harms         | Texas A&M University       |
| 1995-96 | P.R. Utley         | University of Georgia      |
| 1994-95 | D.S. Buchanan      | Oklahoma State Univ.       |
| 1993-94 | P.R. Nolan         | University of Arkansas     |
| 1992-93 | D.R. Marple        | Auburn University          |
| 1991-92 | R.W. Harvey        | NC State University        |
| 1990-91 | D.E. Franke        | Louisiana State Univ.      |
| 1989-90 | A.L. Eller, Jr.    | VPI & SU                   |
| 1988-89 | C.R. Long          | Texas A&M University       |
| 1987-88 | D.G. Spruill       | University of Georgia      |
| 1986-87 | G.L. Cromwell      | University of Kentucky     |
| 1985-86 | B. Baker, Jr.      | Mississippi State Univ.    |
| 1984-85 | C.B. Ammerman      | University of Florida      |
| 1983-84 | W.G. Luce          | Oklahoma State Univ.       |
| 1982-83 | J.R. Hill          | Clemson University         |
| 1981-82 | J.W. Turner        | Louisiana State Univ.      |
| 1980-81 | A.M. Sorenson      | Texas A&M University       |
| 1979-80 | W.C. McCormick     | University of Georgia      |
| 1978-79 | E.R. Barrick       | NC State University        |
| 1977-78 | R.L. McGuire       | Auburn University          |
| 1976-77 | J.J. Guenther      | Oklahoma State Univ.       |
| 1975-76 | C.J. Brown         | University of Arkansas     |
| 1974-75 | S.L. Hansard       | University of Tennessee    |
| 1973-74 | M. Koger           | University of Florida      |
| 1972-73 | J.P. Fontenot      | VPI & SU                   |
| 1971-72 | G.E. Mitchell, Jr. | University of Kentucky     |
| 1970-71 | L.S. Pope          | Texas A&M University       |
| 1969-70 | L.C. Ulberg        | NC State University        |
| 1968-69 | R.C. Carter        | VPI & SU                   |
| 1967-68 | G.L. Robertson     | Louisiana State Univ.      |
| 1966-67 | C.E. Lindley       | Mississippi State Univ.    |
| 1965-66 | R.F. Sewell        | University of Georgia      |
| 1964-65 | W.M. Warren        | Auburn University          |
| 1963-64 | R.F. Wheeler       | Clemson University         |
| 1962-63 | E.J. Warrick       | USDA                       |
| 1961-62 | G.K. Davis         | University of Florida      |
| 1960-61 | W. Gifford         | University of Arkansas     |
| 1959-60 | J.A. Whatley       | Oklahoma State Univ.       |
| 1957-58 | B.L. Southwell     | University of Georgia      |
| 1956-57 | W.P. Garrigus      | University of Kentucky     |
| 1955-56 | J.C. Miller        | Texas A&M University       |
| 1954-55 | R.A. Damon         | Louisiana State Univ.      |

|         |                 |                         |
|---------|-----------------|-------------------------|
| 1953-54 | A.E. Cullison   | University of Georgia   |
| 1952-53 | C.M. Kincaid    | VPI & SU                |
| 1951-52 | R.S. Glasscock  | University of Florida   |
| 1950-51 | H.H. Levek      | Mississippi State Univ. |
| 1949-50 | J.E. Foster     | University of Maryland  |
| 1948-49 | H.M. Briggs     | Oklahoma State Univ.    |
| 1947-48 | E.C. Godbey     | Clemson University      |
| 1946-47 | J.C. Grimes     | Auburn University       |
| 1941-42 | R.E. Hunt       | VPI & SU                |
| 1940-41 | M.G. Snell      | Louisiana State Univ.   |
| 1939-40 | L.E. Richardson | University of Tennessee |
| 1938-39 | E.W. Sheets     | USDA                    |
| 1937-38 | L.I. Case       | NC State University     |
| 1936-37 | M.P. Jarnigan   | University of Georgia   |
| 1935-36 | J.B. Francioni  | Louisiana State Univ.   |
| 1934-35 | A.L. Shealy     | University of Florida   |
| 1933-34 | L.V. Starkey    | Clemson University      |
| 1932-33 | W.L. Blizzard   | Oklahoma State Univ.    |

**American Society of Animal Science  
Distinguished Service  
Award Recipients**

|      |                         |                |
|------|-------------------------|----------------|
| 2003 | Don E. Franke           | Louisiana      |
| 2002 | Fred Thrift             | Kentucky       |
| 2001 | Robert Wettmann         | Oklahoma       |
| 2000 | Philip Utley            | Georgia        |
| 1999 | Paul R. Noland          | Arkansas       |
| 1998 | Not Given               |                |
| 1997 | William G. Luce         | Oklahoma       |
| 1996 | Raymond W. Harvey       | North Carolina |
| 1995 | Gary L. Cromwell        | Kentucky       |
| 1994 | George E. Mitchell, Jr. | Kentucky       |
| 1993 | L.E. McDowell           | Florida        |
| 1992 | Joseph Fontenot         | Virginia       |
| 1991 | Robert Totusek          | Oklahoma       |
| 1990 | Virgil Hays             | Kentucky       |
| 1989 | Frank Baker             | Arkansas       |
| 1988 | Clarence B. Ammerman    | Florida        |
| 1987 | Lowell E. Walters       | Oklahoma       |
| 1986 | Lemuel Goode            | North Carolina |
| 1985 | O.M. Hale               | Georgia        |
| 1984 | L.C. Ulberg             | North Carolina |
| 1983 | C.J. Brown              | Arkansas       |
| 1982 | W.C. McCormick          | Georgia        |
| 1981 | Elliot R. Barrick       | North Carolina |
| 1980 | J.A. Whatley, Jr.       | Oklahoma       |
| 1979 | Marvin Koger            | Florida        |
| 1978 | Thomas J. Marlowe       | Virginia       |
| 1977 | Sam Hansard             | Tennessee      |
| 1976 | J.C. Hillier            | Oklahoma       |
| 1975 | J.K. Riggs              | Texas          |
| 1974 | T.J. Cunha              | Florida        |
| 1973 | O.D. Butler             | Texas          |
| 1972 | George W. Litton        | Virginia       |
| 1971 | Ray H. Dutt             | Kentucky       |
| 1970 | Robert C. Carter        | Virginia       |

|      |                    |             |
|------|--------------------|-------------|
| 1969 | Henry H. Leveck    | Mississippi |
| 1968 | Wesley P. Garrigus | Kentucky    |
| 1967 | Byron L. Southwell | Georgia     |
| 1966 | Charles S. Hobbs   | Tennessee   |

### **American Society of Animal Science Extension Award Recipients**

|      |                      |                |
|------|----------------------|----------------|
| 2003 | Darrh Bullock        | Kentucky       |
| 2002 | Warren Gill          | Tennessee      |
| 2001 | Walter R. Burris     | Kentucky       |
| 2000 | Tom R. Troxel        | Arkansas       |
| 1999 | George V. Davis, Jr. | Arkansas       |
| 1998 | G. L. Monty Chappel  | Kentucky       |
| 1997 | Steven H. Umberger   | Virginia       |
| 1996 | Clyde D. Lane, Jr.   | Tennessee      |
| 1995 | John T. Johns        | Kentucky       |
| 1994 | David W. Freeman     | Oklahoma       |
| 1993 | J.R. Jones           | North Carolina |
| 1992 | James B. Neel        | Tennessee      |
| 1991 | Keith Lusby          | Oklahoma       |
| 1990 | Joe Hughes           | Oklahoma       |
| 1989 | Henry Webster        | Clemson        |
| 1988 | Donald R. Gill       | Oklahoma       |
| 1987 | H. John Gerken, Jr.  | Virginia       |
| 1986 | M.K. Cook            | Georgia        |
| 1985 | W.G. Luce            | Oklahoma       |
| 1984 | Charles Cooper       | Virginia       |
| 1983 | C.W. Absher          | Kentucky       |
| 1982 | C.M. Triplett        | Georgia        |
| 1981 | Arden N. Huff        | Virginia       |
| 1980 | A.L. Eller, Jr.      | Virginia       |

### **American Society of Animal Science Academic Quadrathlon Winners**

|      |                           |
|------|---------------------------|
| 2003 | Texas A&M University      |
| 2002 | University of Florida     |
| 2001 | University of Kentucky    |
| 2000 | Texas A&M University      |
| 1999 | University of Kentucky    |
| 1998 | University of Kentucky    |
| 1997 | Oklahoma State University |
| 1996 | Oklahoma State University |
| 1995 | Virginia Tech             |
| 1994 | Oklahoma State University |
| 1993 | Texas A&M University      |
| 1992 | Oklahoma State University |
| 1991 | University of Kentucky    |
| 1990 | Virginia Tech             |
| 1989 | Oklahoma State University |
| 1988 | Texas A&M University      |
| 1987 | University of Georgia     |
| 1986 | University of Georgia     |
| 1985 | University of Kentucky    |
| 1984 | Texas A&M University      |



**American Society of Animal Science  
Young Animal Scientist  
Award Recipients**

|                   |                      |                        |
|-------------------|----------------------|------------------------|
| 2003 <sup>1</sup> | Sam Jackson          | Texas Tech University  |
| 2003 <sup>2</sup> | Tom Spencer          | Texas A&M University   |
| 2002 <sup>1</sup> | Joel Yelich          | University of Florida  |
| 2002 <sup>2</sup> | Beth Kegley          | University of Arkansas |
| 2001 <sup>1</sup> | Shawn Ramsey         | Texas A&M University   |
| 2001 <sup>2</sup> | Jason Apple          | University of Arkansas |
| 2000 <sup>1</sup> | Andy D. Herring      | Texas Tech University  |
| 1999 <sup>2</sup> | Chad C. Chase, Jr.   | USDA,ARS               |
| 1998 <sup>1</sup> | Markus F. Miller     | Texas Tech University  |
| 1998 <sup>2</sup> | Arthur L. Goetsch    | Langston University    |
| 1997 <sup>1</sup> | Tim Marshall         | University of Florida  |
| 1996 <sup>1</sup> | William L. Flowers   | NC State University    |
| 1996 <sup>2</sup> | Markus F. Miller     | Texas Tech University  |
| 1995 <sup>1</sup> | Craig H. Wood        | University of Kentucky |
| 1995 <sup>2</sup> | Jeffrey D. Armstrong | NC State University    |
| 1994 <sup>1</sup> | Debra K. Aaron       | University of Kentucky |
| 1994 <sup>2</sup> | Peter J. Hansen      | University of Florida  |
| 1993 <sup>1</sup> | Kevin Pond           | NC State University    |
| 1993 <sup>2</sup> | Rod Geisert          | Oklahoma State Univ.   |
| 1992 <sup>1</sup> | David S. Buchanan    | Oklahoma State Univ.   |
| 1992 <sup>2</sup> | James L. Sartin      | Auburn University      |
| 1991 <sup>1</sup> | W.E. Beal            | VPI & SU               |
| 1991 <sup>2</sup> | Wayne Greene         | Texas A&M University   |
| 1990 <sup>1</sup> | J.W. Mabry           | University of Georgia  |
| 1990 <sup>2</sup> | T.H. Welsh           | Texas A&M University   |
| 1989              | J.W. Spears          | NC State University    |
| 1988              | S.B. Smith           | Texas A&M University   |
| 1987              | D.L. Thompson, Jr.   | Louisiana State Univ.  |
| 1986              | G.J. Hausman         | USDA, ARS, Athens, GA  |
| 1985              | J.W. Savell          | Texas A&M University   |
| 1984              | D.R. Notter          | VPI & SU               |
| 1983              | T.S. Stahly          | University of Kentucky |
| 1982              | D.N. Marple          | Auburn University      |

<sup>1</sup>Education

<sup>2</sup>Research

**NPPC Swine Industry  
Award Recipients**

|      |                    |                        |
|------|--------------------|------------------------|
| 2003 | Theo van Kempen    | NC State University    |
| 2002 | Kim Cole           | University of Arkansas |
| 2001 |                    |                        |
| 2000 | Not given          |                        |
| 1999 | Not given          |                        |
| 1998 | Robert A. Cushman  | NC State University    |
| 1997 | M. Todd See        | NC State University    |
| 1996 | William L. Flowers | NC State University    |
| 1995 | M. Todd See        | NC State University    |
| 1994 | Robert Dove        | University of Georgia  |

**American Society of Animal Science  
Graduate Student Paper  
Award Recipients**

| <b>Year</b> | <b>Awardee</b>   | <b>Place of Meeting</b> | <b>University</b>       |
|-------------|------------------|-------------------------|-------------------------|
| 2003        | C. Realini       | Mobile                  | Univ. of Georgia        |
| 2002        | J. A. Parish     | Orlando                 | Univ. of Georgia        |
| 2001        | J. Montgomery    | Ft. Worth               | Texas Tech University   |
| 2000        | M. R. Stivarious | Lexington               | University of Arkansas  |
| 1999        | T. E. Engle      | Memphis                 | NC State University     |
| 1998        | C. Barnett       | Little Rock             | Univ. of Tennessee      |
| 1997        | D.H. Crews, Jr.  | Birmingham              | Louisiana State Univ.   |
| 1996        | None Given       |                         |                         |
| 1995        | E.B. Kegley      | New Orleans             | NC State University     |
| 1994        | R.D. Coffey      | Nashville               | University of Kentucky  |
| 1993        | D.K. Bishop      | Tulsa                   | Oklahoma State Univ.    |
| 1992        | R.L. Stanko      | Lexington               | NC State University     |
| 1991        | G.A. Rohrer      | Ft. Worth               | Texas A&M University    |
| 1990        | K.A. Meurer      | Little Rock             | Mississippi State Univ. |
| 1989        | G.M. Davenport   | Nashville               | University of Kentucky  |
| 1988        | M.J. Esteinne    | New Orleans             | University of Georgia   |
| 1987        | T.W. Burnell     | Nashville               | University of Kentucky  |
| 1986        | M.J. Wylie       | Orlando                 | Texas A&M University    |
| 1985        | M.W. Richards    | Biloxi                  | Clemson University      |
| 984         | J.C. Betts       | Nashville               | Texas A&M University    |
| 1983        | J.B. Lutz        | Atlanta                 | University of Georgia   |
| 1982        | K.R. Pond        | Orlando                 | Texas A&M University    |
| 1981        | L.W. Greene      | Atlanta                 | VPI & SU                |
| 1980        | D.K. Aaron       | Hot Springs             | University of Kentucky  |
| 1979        | T.W. Robb        | New Orleans             | University of Kentucky  |
| 1978        | E.F. Gray        | Houston                 | University of Kentucky  |
| 1977        | T.A. Puglisi     | Atlanta                 | University of Georgia   |
| 1976        | D.L. Thomas      | Mobile                  | Oklahoma State Univ.    |
| 1975        | J.C. Cornwell    | New Orleans             | Louisiana State Univ.   |
| 1974        | D.M. Hallford    | Memphis                 | Oklahoma State Univ.    |
| 1973        | A.C. Mills       | Atlanta                 | University of Florida   |
| 1972        | C. McLellan, Jr. | Richmond                | Oklahoma State Univ.    |
| 1971        | C.L. Fields      | Jackonsville            | University of Kentucky  |
| 1970        | A.R. Bellve      | Memphis                 | NC State University     |
| 1969        | W.L. Brown       | Mobile                  | Auburn University       |
| 1968        | W.E. Powell      | Louisville              | Auburn University       |
| 1967        | F.W. Bazer       | New Orleans             | NC State University     |
| 1966        | D.G. Ely         | Jackson                 | University of Kentucky  |
| 1965        | R.D. Goodrich    | Dallas                  | Oklahoma State Univ.    |
| 1964        | C.K. Vincent     | Atlanta                 | NC State University     |
| 1963        | C.B. Ramsey      | Memphis                 | Univ. of Tennessee      |
| 1962        | J.R. Crockett    | Jacksonville            | University of Florida   |

**American Society of Animal Science  
Undergraduate Student Paper Award Recipients**

| <b>Year</b> | <b>Awardee</b>  | <b>Place of Meeting</b> | <b>University</b>          |
|-------------|-----------------|-------------------------|----------------------------|
| 2003        | M. Seitz        | Mobile                  | Mississippi State Univ.    |
| 2002        | B. Spader       | Orlando                 | University of Missouri     |
| 2001        | R. Horsley      | Ft. Worth               | Virginia Polytechnic Univ. |
| 2000        | B. Robbins      | Lexington               | Virginia Tech              |
| 1999        | J. L. Bardugone | Memphis                 | Virginia Tech              |
| 1998        | S. F. Flohr     | Little Rock             | Virginia Tech              |
| 1997        | T.M. Weick      | Birmingham              | Louisiana State Univ.      |
| 1996        | K. J. Goodson   | Greensboro              | Texas A&M University       |
| 1995        | B. C. Bloom     | New Orleans             | Auburn University          |
| 1994        | Beth Good       | Nashville               | Oklahoma State Univ.       |
| 1993        | C.J. Kirby      | Tulsa                   | NC State University        |

# 2003-2004 SOUTHERN SECTION ASAS COMMITTEE CHAIRS AND CONTACT INFORMATION

## Program Committees

### **Animal Science/Forages Joint Session**

Stuedemann, J, GA

Jennings, J, AR

Andrae, J, GA

Mullin, M, KY

### **Breeding and Genetics**

Riley, D, FL

Dzakuma, J, TX

DeRouen, S, LA

### **Extension**

Harper, A, VA

Hall, J, VA

Johns, J, KY

### **Meats**

Mikel, B, KY

Duckett, S, GA

Apple, J, AR

### **Nonruminant Animal Production**

Harper, A, VA

Maxwell, C, AR

### **Physiology**

Stanko, R, TX

Hall, J, VA

Estienne, M, VA

Vann, R, MS

### **Ruminant Animal Production**

Huntington, G, NC

Brown, M, TX

Anderson, L, KY

Spears, J, NC

### **Small Ruminant Production**

Browning, R, TN  
Burke, J, AR  
Jackson, S, TX  
Hart, SP, OK

### **Teaching and Undergraduate Education**

Rude, B, MS  
Fernandez, JM, LA  
Brown, AH, Jr., AR  
Moore, J, NC

Minority Issues  
Browning, R, TN

## **ASAS Committees**

### **Executive**

Esbenshade, KL, NC  
Baker, JF, GA  
Randel, RD, TX  
Coleman, DA, AL  
Aaron, DK, KY

### **Advisory**

Humes, P, LA  
Wettemann, R, OK  
Hembry, G, FL  
Troxel, TR, AR  
Kiser, T, MS  
Browning, R, TN

### **Distinguished Service Award**

Morrison, D, LA  
Fontenot, J, VA  
Ammerman, C, FL  
Cromwell, G, KY  
Franke, D, LA

### **Graduate Student Award**

Greene, W, TX  
Brooks, C, TX  
Franke, D, LA  
Schmidt, S, AL  
Willard, S, MS

### **Young Animal Scientist Award - Research**

Chase, C, FL  
Apple, J, AR  
Kegley, E., AR  
Wetteman, R, OK  
Spencer, T, TX

### **Young Animal Scientist Award - Education**

Selk, G, OK  
Ramsey, S, TX  
Yelich, J, FL  
Rosenkrans, C, AR  
Jackson, S, TX

### **Extension Award**

Burris, R, KY  
Baker, JF, GA  
Lane, C, TN  
Gill, W, TN  
Bullock, D, KY

### **NPB Award**

Baker, JF, GA  
van Kempen, T, NC  
Harper, A, VA

### **Necrology**

Chappell, GLM, KY  
Brown, AH, Jr., AR

### **Nomination**

Ely, D, KY  
Getz, W, GA  
Troxel, TR, AR  
Hembry, G, FL

### **Resolutions**

Wettemann, R, OK  
Hill, G, GA

### **Academic Quadrathlon**

Rude, B, MS  
Sterle, J, TX  
Yelich, J, FL  
Coleman, D, AL  
Carter, S, OK