



ADSA News

A publication of the American Dairy Science Association®

April 2015

Vol. 8 Issue 1

2015 JAM Is Taking Shape

The skeletal program for JAM is rapidly gaining flesh; a record number of abstracts—2,689—were submitted for presentation in Orlando. Committee chairs are in the process of accepting (or not) from those contributions the research work that will be presented in oral and poster format, developing the sessions, and working with the overall committee to finalize the scientific program. Combined with 41 symposia and 2 workshop sessions, the 2015 JAM has all the hallmarks of a great professional meeting.

Don't miss the Teaching Workshop on Sunday: "Changing the animal science teaching and learning paradigm—An interactive workshop on how to use case study teaching to foster critical thinking and classroom discussion." The purpose of this full-day case study workshop is to engage participants in different types of case study methods of instruction, demonstrate how to teach with case studies, and how to write cases and teaching notes so that others individuals can use them.

The Mixed Models Workshop returns on Wednesday and Thursday (one and a half days) and provides a comprehensive exposition of proper statistical data analysis and power determinations of commonly used experimental designs in the animal sciences. The workshop is example-driven and primarily based on the various mixed model analysis procedures available in SAS software.

For the first time in many years, the Interbull annual meeting will be held at the same location and immediately before the JAM (July 9 to 12). If you can't attend Interbull, be sure to take advantage of the morning and afternoon Joint Interbull/JAM symposia on Sunday—free to registered Interbull and JAM attendees. Page 3 of this newsletter lists symposia and workshops by day. Be sure to visit the meeting website at <http://www.jmtg.org/JAM/2015/> often to find updates on the scientific program. See you in July in Orlando!

Geoff Dahl

Overall Program Chair, JAM 2015

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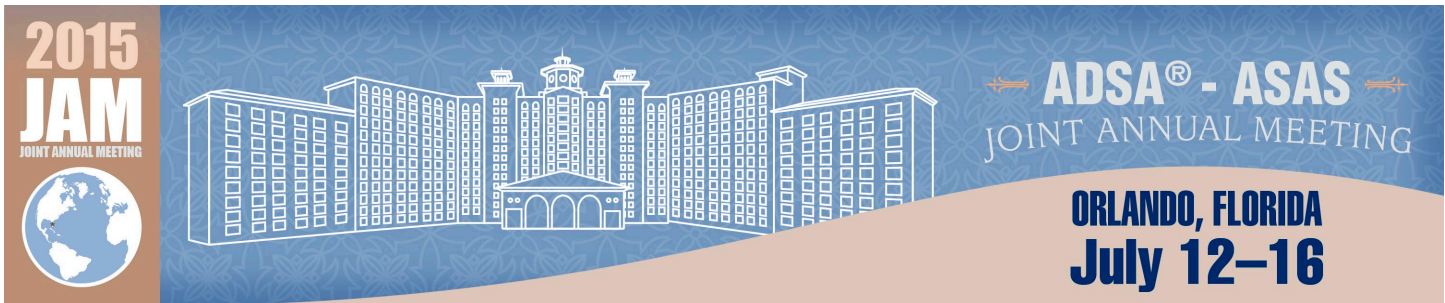
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2015 JAM Symposium and Workshop Schedule

Sunday, July 12

Morning

- **Breeding and Genetics Symposium—Joint Interbull–JAM Session:** Milk spectral data—Cost-effective information to improve expensive and limited traits in dairy cattle breeding

Afternoon

- **Breeding and Genetics Symposium—Joint Interbull–JAM Session:** Use of genomics to improve limited and novel phenotypes in animal breeding

All Day

- **Teaching Workshop:** Changing the animal science teaching and learning paradigm—An interactive workshop on how to use case-study teaching to foster critical thinking and classroom discussion
- **Triennial Reproduction Symposium:** Developmental programming of fertility

Monday, July 13

Morning

- **Bioethics Symposium:** Effects of science, government, and the public in directing the future of animal agriculture
- **Breeding and Genetics Symposium:** Relevance of modeling in the genomics era
- **Extension Education Symposium:** Extension and industry outreach for tomorrow's producers
- **Lactation Biology Symposium:** Mammary gland biology revisited

- **Animal Behavior and Well-Being Symposium:** Novel and multidisciplinary approaches to animal welfare

Afternoon

- **ADSA Foundation PhD Symposium:** Meeting the present and future demand for employees with a PhD
- **ADSA Multidisciplinary and International Leadership Keynote (MILK) Symposium:** Global dairy perspective—Production, processing, people, politics, and priorities
- **ADSA Southern Section Symposium:** Maximizing forage quality in the Southeast
- **Animal Behavior and Well-Being Symposium:** Novel and multidisciplinary approaches to animal welfare
- **Animal Health Symposium:** Understanding and reducing the impact of various stressors on immune responses and health of cattle
- **Bovine Tuberculosis (TB) and Paratuberculosis (Johne's Disease) Symposium:** What we know and what we need to know
- **EAAP Genetics Symposium:** Breeding for environmental sustainability
- **Physiology and Endocrinology Symposium:** Progesterone as an endocrine regulator of fertility in cattle
- **Ruminant Nutrition Symposium:** Time required for diet adaptation and minimization of carry-over effect in ruminants: Evidence-based decisions

All Day

- **Comparative Gut Physiology and Nonruminant Nutrition Symposium:** The gut–brain axis—Sensing and signaling

Continued on the next page

Tuesday, July 14

Morning

- **ARPAS Symposium:** Reproductive efficiency of beef cows—Current status and new technologies
- **ADSA Production Division Symposium:** Production efficiency of the dairy cow
- **Beef Species Symposium:** Keeping beef in the center of the plate—Meeting consumer demand in a period of reduced cattle numbers and increased prices
- **Cell Biology Symposium:** Regulation of growth through amino acid sensing
- **Forages and Pastures Symposium:** Implications of climate change on the resiliency of forage and pasture production systems
- **Horse Species Symposium:** Exercise physiology of the horse
- **Milk Protein and Enzymes Symposium:** High milk protein foods—Challenges and opportunities in structures and digestion

Afternoon

- **ADSA Production Division Symposium:** The rumen and beyond—Nutritional physiology of the modern dairy cow
- **Beef Cattle Nutrition Symposium:** Feeding Holstein steers
- **Companion Animals Symposium:** Bioenergetics of pet food
- **Contemporary and Emerging Issues and International Animal Agriculture Symposium:** Ahead to 2050—Global livestock production challenges: Current status, future needs, production obstacles
- **Dairy Foods Symposium:** Recent developments in manufacturing and applications of lactose and lactose derivatives
- **Teaching—Undergraduate and Graduate Education Symposium:** Teaching graduate students to teach and be successful at teaching

Wednesday, July 15

Morning

- **ASAS Graduate Student Symposium:** Networking to achieve interdisciplinary research
- **Dairy Foods Symposium:** Advances in bacterial exopolysaccharides—From production to applications in dairy foods and health
- **Horse Species Symposium:** Recent advances in the microbiome and physiology of the hindgut of the horse and dog
- **Small Ruminant Symposium:** Genetic improvement in small ruminants for the future

Afternoon

- **ADSA–ASAS Northeast Section Symposium:** Bridging the gap between animal protein production and consumers, current and future
- **Animal Health Symposium:** Maintaining animal health in organic dairy herds
- **Companion Animals Symposium:** Comparative nutrition—Protein and energy across species
- **Dairy Foods Symposium:** Processing and ingredient innovations to grow fluid milk sales
- **Physiology and Endocrinology Symposium:** Insulin revisited
- **Production, Management, and the Environment Symposium:** Environmental footprint of livestock production—Greenhouse gas emissions and climate change

All Day

- **Mixed Models Workshop**
- **Growth and Development Symposium:** The mitochondrion—A powerhouse for the cell or a key to animal productivity?

Thursday, July 16

Morning

- **Mixed Models Workshop (continued)**

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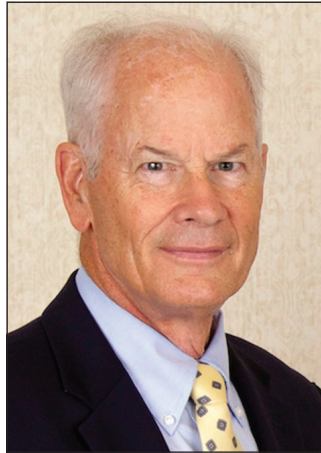
Letter from the ADSA President

ADSA had a very good year in 2014. Among the highlights, the *Journal of Dairy Science*® (JDS) performed very well:

- It moved up to be ranked **second of 51** journals in Thomson Reuters' Agriculture, Dairy, and Animal Science category by 2013 Impact Factor and is ranked **second by 5-Year Impact Factor**. JDS was also ranked **first by Eigenfactor Score**, which removes self-citations, and **first** by total citations.
- In the Food Science and Technology category (using the same impact factor), JDS was ranked **24th of 123** journals by the 2013 Impact Factor and **21st of 123** journals by the 5-Year Impact Factor. JDS was ranked **third by Eigenfactor Score** in this category, and **third** by total citations.
- JDS published 783 articles in 8,134 (science) pages in 2013 and 775 articles in 8,058 (science) pages in 2014.
- The 2013 impact factor decreased by just 0.016 from 2012, and pages increased by 9.5%.

JAM 2014

Under the JAM memorandum of understanding, ASAS owned and operated the 2014 JAM. The ADSA Foundation delivered a very well received symposium at JAM 2014 that focused on the urgent need to bring more PhD scholars to dairy science, the MILK symposium, and



an update on the National Research Council's *Nutrient Requirements of Dairy Cattle* eighth edition, where the committee (all ADSA members) was unveiled.

Membership

Individual memberships were 4,131 in 2014, down slightly because of a fluctuation in (primarily) graduate students. Paid professional members increased by 1.2% to 2,188, to the highest level since 2007.

The fourth ADSA professional-member satisfaction survey was launched in December 2014.

Of the professional members responding, 86.4% were either extremely satisfied (46.0%) or somewhat satisfied (40.4%).

S-PAC

The Searchable Proceedings of Animal Conferences (S-PAC) continues to grow, with more contributing conferences (56) and proceedings (517).

Discover Conferences

Both Discover Conferences in 2014 performed very well from financial and all other conference-evaluation perspectives. Thanks are extended to Larry Miller for excellent leadership, robust fundraising, and highly effective program and business management and to Molly Kelley for her excellent meeting planning and committee support and for representing ADSA so very well.

SAD and GSD

The Student Affiliate Division (SAD) continued to have regional and Dairy Challenge programs, providing for interactions, development of new skills, and leadership opportunities. The Graduate Student Division (GSD) initiated a webinar series in January 2014 and since has organized and conducted 10 webinars on an almost-monthly basis. These webinars provide historical context and content related to dairy production and dairy foods.

Financials

The preliminary (preaudit) financial statements show continued growth and increased strength for ADSA. Total assets increased by **9.7%** from last year at this time and total net assets increased by **10.2%**. Total revenue came in at **107%** of budget, and total expenses came in at **97%** of budget. Financial performance for the Foundation was very good as well.

Continued on the next page

(ADSA President continued)

There are challenging issues both near and far. For instance, how do we get representation at the board level to better reflect our current membership demographics? And how do we find members able and willing to do the work now required of elected board and *ex officio* officers (such as treasurer, Foundation chair, and editor in chief)? These positions now require more work, making them less simply an honor and something for the CV.

Peter Studney, ADSA executive director; FASS staff; and dedicated ADSA volunteers and elected board

members work tirelessly with dedication, commitment, a strong sense of fairness, and critical objectivity to weather the storms, as is ADSA tradition.

If you have comments on any ADSA issues, please let me know at andhil@swbell.net.

Al Kertz
ADSA President 2014–2015

Select Symposia Available at No Cost to Members

Select symposia have been recorded at each joint annual meeting from 2003 to 2013 and now total more than 60. You can access these from the ADSA Meetings page (<http://www.adsa.org/Meetings/ADSAMeetings.aspx>); you need only enter your unified login and password to access the symposia.

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Letter from the ADSA Foundation Chair

On behalf of the ADSA Foundation Board, I would like to update everyone on our progress in several areas. First, we must thank Randy Shaver, Richard Grant, William Weiss, Michael Allen, Galen Erickson, Patrick Hoffman, Mark Nelson, Larry Miller, and Molly Kelley for putting together the highly successful *28th Discover Conference on Starch for Ruminants*, which was held in October 2014. We had 164 attendees from 30 states and 15 countries. On a scale of 1 to 5, with 5 being excellent, average scores for the various components ranged from 4.06 to 4.66.

The *29th Discover Conference on Amino Acid Requirements for Dairy Cattle* will be held May 26–29, 2015, and registration is now closed. Program Committee organizers for this conference includes Alex Hristov, Helene Lapierre, Lou Armentano, Glen Broderick, Mark Hanigan, Larry Miller, and Molly Kelley.

The *30th Discover Conference on Creating an Enduring US Dairy Production Sector* will be held November 2–5, 2015. Program Committee organizers for this conference includes Roger Cady, Ermias Kebreab, Neal Martin, Mark Stephenson, Juan Tricarico, André-Denis Wright, Becky Larson, Larry Miller, and Molly Kelley.

In my previous column, I noted that we had gained approval from the board to begin work on the third edition of *Large Dairy Herd Management*. During our discussions with a potential candidate for editor in chief of this book, we determined that we had underbudgeted for updating the book. The revised budget has been reviewed and approved by the board.

We have assembled our Foundation Dairy Science PhD Accelerator Program Committee. Members of this committee include Vikram Mistry, Alexis Thompson, Curtis Park, Joanne Knapp, Mike Akers, Heather Hudson, and Ken Kalscheur. Ken Kalscheur will chair this committee. The committee will meet during the 2015 JAM meeting to not only discuss symposia at the ADSA annual meeting, but also examine ways we can support undergraduate and graduate students as they embark on studies to obtain a PhD, and help people pursuing a PhD prepare for careers in industry and academia.



At the 2015 JAM, we will hold the second symposium on *Meeting the Present and Future Demand for Employees with a PhD*. We are excited to have Joanne Knapp, Mike Day, Curtis Park, Ken Odde, Steve Ellis, Mark Mirando, David McCoy, and Chris Mallett speak at our symposium. Topics range from anticipated population of people with a PhD, graduate student concerns with getting a PhD, industry–university partnerships in graduate-student training, industry and academia working together to maintain viability of dairy and animal science departments, and sources of funding for graduate-student programs. We hope that you will be able to join us at the 2015 JAM as well as attend our symposium on this important topic.

The ADSA Foundation thanks the ADSA and FASS staff for the help they have provided over the recent months in completing projects, such as the 28th Discover Conference, as well as embarking on new projects such as the 29th and 30th Discover Conferences and the *Large Dairy Herd Management* book. The ADSA Foundation would also like to thank the ADSA members who have supported the ADSA Foundation with both their time and treasure. We greatly appreciate it.

Mike Socha
ADSA Foundation Chair

Letter from the JDS Editor-in-Chief



As editor-in-chief (EIC), it is my pleasure to be part of a large team that includes editors, authors, reviewers, and staff who maintain the excellence of our prestigious journal. In the FASS office, I interact primarily with Susan Pollock (managing editor), Louise Adam (lead technical editor), and Shauna Miller (editorial assistant). In addition to these individuals, a large number of FASS staff work every day to make our journal a success. My job as EIC could not be done without the outstanding efforts of everyone at FASS.

Peer Review

The scientific quality of the *Journal of Dairy Science* arises in part from the work of the section editors. Their decisions ultimately dictate the content that we publish. Our content will determine the long-term success or failure of the journal. I am committed to maintaining the high quality of our journal and the high quality of peer reviews, and also to reducing the time that papers spend in review. In response to historically

high manuscript submission rates, I requested and the ADSA Board approved a new position that we call "overflow section editor." These individuals will handle the overflow when manuscript submissions overwhelm our existing team of regular section editors. We are in the process of recruiting six overflow section editors.

I am committed to maintaining the high quality of our journal and the high quality of peer reviews, and to reducing the time that papers spend in review.

We want section editors to spend their time evaluating the science of the papers that they are assigned and less time searching for reviewers. In an attempt to achieve this goal, we (1) doubled the number of editorial board members for 2015; (2) revamped the search system and the searchable database in ScholarOne; and (3) added the Reviewer Locator feature to JDS ScholarOne. Reviewer Locator is an automated search engine within ScholarOne that creates a list of potential reviewers based on the submitted paper and data gleaned from the Web of Science. Section editors now use this feature to identify about one-third of JDS reviewers.

Impact Factor

The Impact Factor for JDS remains at about 2.5. We would like to keep this number moving upward. The key is not to publish more or fewer papers but to publish papers that attract citations. We have asked Else-

vier to conduct a thorough investigation into which articles are heavily cited in JDS. We plan to use this information to develop guidelines for appropriate content for the future. We have also become more aggressive in soliciting invited reviews because these papers generate many citations, which benefits the Impact Factor.

JAM 2015

In January, I selected 42 symposium presentations from the 2015 JAM program and invited each presenter to submit a review article to JDS. At this time, 29 authors have accepted our invitation.

JDS Collections

Under the leadership of Susan Pollock, we launched a new initiative called JDS Collections. A collection is an online group of approximately 20 JDS papers on a given topic that are made available to members or sold to nonmembers.

Collections are an excellent way to provide more exposure to authors, attract new readers, and increase the number of citations.

Collections are curated, meaning that an expert has selected the papers and placed them into the collection. Four curators have committed to create our inaugural JDS Collections. Once the program is fully implemented, we plan to launch about six new collections each year.

Continued on the next page

Going Forward

We are in a new era of scientific publishing where authors have many options in terms of where they submit their work. They expect more from the journal than just peer review and a published paper. They expect that the journal will actively market their paper so that their work is more visible. Increased visibility means more citations and also means greater buzz on social media. Authors also expect information on their paper—how many people are reading their paper, who are they, and where are they? We are now working with Terry Materese, an executive publisher from Elsevier, on the “postpublication partnership” to capture the new expectations of our authors. Part of the postpublication partnership has to do with press releases, and the press-release policy was revamped in fall 2014 and approved by the ADSA Board. You will see more press releases based on our papers. But the postpublication partnership goes well beyond traditional press releases. For example, we are planning major improvements and updates of the JDS website; improvements to existing features that authors can use

to track downloads and citations of their papers; and innovative methods to promote our content on social media. The plan to employ social media should increase a different measure of impact termed “altmetrics.” Altmetrics includes the social media buzz (e.g., mentions on Twitter or Facebook, reports in popular news media, and activity on Mendeley or other sharing platforms) created by papers published in JDS.

So, how can you help with this new initiative in social media? It's easy—just follow me ([@matt_lucy_jds](https://twitter.com/matt_lucy_jds)) and the journal ([@jdairyscience](https://twitter.com/jdairyscience)) on Twitter and retweet what you see! The journal will be tweeting out our content as new articles are posted on the Articles in Press site. I will also tweet about our content including my own comments about the science that we publish.

Let me say again that it is a great pleasure to serve the [@jdairyscience](https://twitter.com/jdairyscience) as the [#EIC](https://twitter.com/jdairyscience). And that, my friends, is fewer than 140 characters!

Matthew Lucy
JDS Editor-in-Chief



New Collections Now Available at journalofdairyscience.org



Estrus Technology

Compiled by Karmella Dolecheck, Lauren Mayo, and Jeffrey Bewley, University of Kentucky

This compilation of *Journal of Dairy Science* articles represents the seminal papers in automated estrus detection published in the journal. This collection provides a broad view of the progression of technologies over time and the adoption of and criteria for evaluating technologies.

Pregnancy Diagnosis and Resynchronization

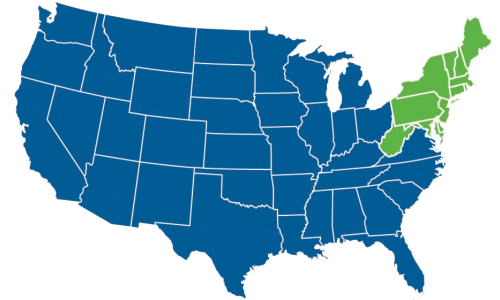
Compiled by Paulo D. Carvalho, Rafael Barletta, and Paul M. Fricke, Department of Dairy Science, University of Wisconsin–Madison

This compilation of *Journal of Dairy Science* articles represents the most significant papers on methods for pregnancy diagnosis and strategies for resynchronization of ovulation in lactating dairy cows published in the journal.

Editor's Choice

Editor's Choice features articles selected by the Editor-In-Chief as especially notable regarding their contribution to dairy science, specifically in the areas of dairy foods and dairy production (physiology, management, nutrition, and genetics). Editor's Choice is a feature of each journal issue, and articles selected are made available for *free* access.

Northeast ASAS Section/ ADSA Branch



This year, the Northeast ASAS Section/ADSA Branch is planning a symposium for the 2015 JAM titled “Bridging the gap between animal protein production and consumers, current and future.” The symposium will include speakers that have taken the step to garner improved acceptance of animal agriculture, especially in communities that may not have the ties to animal protein production that past generations may have had. Knowing just the facts about the technologies is often not enough. The consumer needs to have trust in the people relaying the knowledge in order to believe it, and then they need to be given the knowledge in a way they can understand it. This process is not easy, but it is especially important as consumers ask more and more questions about where and how their food is produced. Our first speaker will be Joe Hogan (The Ohio State University), who will speak on the efforts of The Ohio State University to generate continued support for the university dairy farm located in the heart of Columbus, Ohio. Deborah Grusenmeyer (Cornell University) will speak on efforts to create the next generation of leaders and advocates in the animal agriculture industry through the New York State Young Dairy Leader program. Our third speaker will be Janeal Yancey (University of Arkansas), who will speak on the use of social media to educate and increase current consumer acceptance of animal agriculture. Following the symposium, the Northeast ASAS Section/ADSA Branch section will hold its business meeting and reception. All members are encouraged to attend both the symposium and the reception.

In addition to planning the symposium, Section President Ken Griswold, Vice President Dave Edwards, and Secretary–Treasurer Kevin Harvatine have been working with the executives from the national ASAS and ADSA to resolve the impending dissolution of the JAM in 2017. In this effort, a survey was sent to all Northeast ASAS/ADSA members at the beginning of the year. Two major items were apparent from the survey. First, 85% of respondents still would like to have the Northeast Section/Branch continue to meet jointly. Second, about 50% of respondents would attend a Northeast Section/Branch meeting held separately from the national meetings, but there was no consensus in where or how that separate meeting should be held. Moving forward, we have made efforts to retain both financial and administrative support for the Northeast Section/Branch from both societies should we decide to hold a separate meeting. To date only one society has pledged to support the Northeast Section/Branch in this effort. We hope the situation will be resolved by the time of the 2015 JAM. Please contact any member of the board if you have comments or questions.

Ken Griswold
Northeast Branch ADSA President
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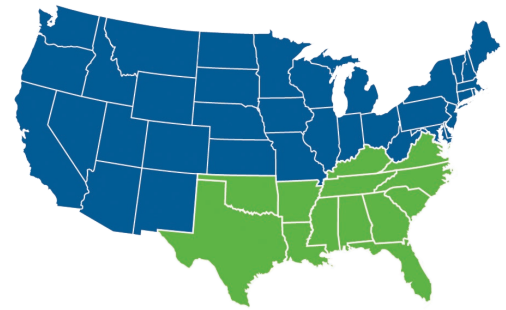
ADSA Southern Branch

Southern Branch ADSA Student Affiliate Meeting

February 26–28, 2015, ADSA Student Affiliate members from 7 southern universities gathered in Lexington, Kentucky, to participate in the Southern ADSA-SAD annual meeting, which was hosted by the University of Kentucky Dairy Club. Participating universities included Louisiana State University, North Carolina State University, University of Florida, University of Georgia, University of Kentucky, Virginia Tech, and West Virginia University. Clemson University intended to participate but was unable to travel to Kentucky because of a winter storm. Awards were presented to the following participants in the Undergraduate Paper Competition: 1st place Dairy Foods, Jessica Sentelle, Virginia Tech; 1st place Dairy Production, Alexandra Lemus, University of Florida; and 1st place Original Research–Independent Study, Eleanor Cayford, Virginia Tech. Awards also were given for 1st place Scrapbook or Yearbook, University of Georgia; 1st place Website, University of Georgia; and Outstanding Chapter, Virginia Tech. Katie Wolf of the University of Kentucky won the Outstanding Southern Branch ADSA Student Affiliate Member Award. The team from Virginia Tech won the Dairy Quiz Bowl contest. The Southern ADSA-SAD members elected the following students as officers for 2015–2016: president, Lizzie Davis, Virginia Tech; 1st vice president, Brack Seale, University of Kentucky; 2nd vice president, Michaela Miller, West Virginia University; secretary–treasurer, Morgan Richard, Louisiana State University; and officer-at-large, Halie Tuten, University of Georgia. In addition to the contests, quiz bowl, and business meeting, students toured Ed-Mar Dairy in Walton, Kentucky; Harvest Home Dairy in Crestwood, Kentucky; and Buffalo Trace Distillery in Frankfort, Kentucky. The 2016 meeting will be hosted by the University of Georgia Dairy Science Club.

Southern Regional Dairy Challenge

Sixty-three students from 15 universities participated in the Southern Regional Dairy Challenge on November 16–18, 2014, in Salisbury, North Carolina, hosted by the North Carolina State University. Participating schools included Alabama A&M University, Clemson University, University of Florida, University of Georgia, University of Kentucky, Louisiana State University, Mississippi State University, Murray State University, North Carolina A&T



University, North Carolina State University, University of Tennessee, Tuskegee University, Virginia Tech, Western Kentucky University, and West Virginia University. The host farm was Pless Dairy Farm in Rockwell, North Carolina. Students also toured Red Acres Farm in Lexington, North Carolina, and the Piedmont Research Station Dairy in Salisbury, North Carolina. Virginia Tech will host the 2015 contest in Abingdon, Virginia.

Southern Branch Activities in Orlando, Florida

Southern ADSA activities during the 2015 joint annual meeting will include the graduate student paper contest, symposium, and annual business meeting. Meeting agenda items include minutes and financial reports, graduate student paper contest winners, Student Affiliate Division news, Dairy Challenge update, Honor Award, resolutions, nominations, necrology, and dairy youth activities updates.

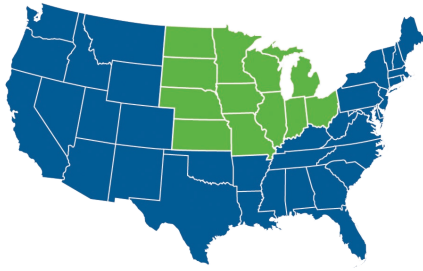
Nominations for 2015 Honor Award

The Honor Award is made annually to a member of Southern ADSA for distinguished service to the dairy industry. Nominations for the 2015 Southern ADSA Honor Award should be sent to Steve Washburn at North Carolina State University (Steve_Washburn@ncsu.edu).

2015 Southern ADSA Symposium

The 2015 Southern ADSA Symposium will be held in Orlando, Florida, on July 13, 2015, and is titled “Maximizing Forage Quality in the Southeast.” Topics include corn-silage quality, warm-season annual grasses, management of forage systems, effects of forage quality on health and performance, and environmental and crop management effects on forage quality.

Shannon Davidson
Southern Branch ADSA President
Shannon_Davidson@ncsu.edu



ADSA Midwest Branch and ASAS Midwestern Section

The 48th annual meeting of the Midwestern Section of the American Society of Animal Science and the Midwest Branch of the American Dairy Science Association was held March 15–18, 2015, at the Iowa Events Center in downtown Des Moines, Iowa. More than 1,000 registrants attended this year's meeting. The programs were arranged to accommodate 435 abstracts among oral and poster sessions. Eighty-three abstracts were presented in graduate (48) and undergraduate (35) competitions. The meeting continued to have excellent symposia, including the David Baker Amino Acid Symposium, Gary Allee Symposium on swine nutrition and management, Billy Day Symposium on reproductive physiology, and the Harlan Ritchie Beef Symposium. The meeting also featured the third annual Bentley Lecture-ship as well as the inaugural Digestive Physiology of Pigs Lecture and Lunch.

The Midwest Academic Quadrathlon (AQ) was again very successful, with teams competing in lab practical, oral presentation, written exam, and quiz bowl. The Young Scholar program was held for the sixth year for animal science students and the 10th year for the dairy science students. Twelve ASAS and 4 ADSA Young Scholar members of the Midwest region were invited to showcase their PhD research. Many thanks are extended to all the sponsors of the 2015 meeting events and program sessions. The newly elected board members of the ADSA Midwest Branch are Secretary Phil Cardoso (University of Illinois) and Director-at-Large Jeff DeFrain (Zinpro Corporation). Details on ASAS Midwest Section and ADSA Midwest Branch meetings can be found on the website: <https://asas.org/membership-services/asas-sections/midwest-section/meetings>.

Those receiving awards at the 2015 Midwest meeting included the following:

Outstanding Young Researcher Award (sponsored by DSM Nutritional Products Inc.)

Nicholas Gabler, Iowa State University

Outstanding Young Teacher Award (sponsored by ADSA ASAS MW Board)

Brian Whitaker, University of Findlay

Outstanding Young Extension Specialist Award (sponsored by Purina Animal Nutrition LLC)

Matt Spangler, University of Nebraska–Lincoln

Outstanding Early Career Agribusiness Award (sponsored by BASF Plant Sciences)

Matthew Wolfe, Cargill

Stahly/Peo Outstanding Swine Nutrition Midwest Graduate Student Award (sponsored by Stahly/Peo Memorial and Tribute Fund)

Nestor Gutierrez, Iowa State University

2014 Young Dairy Scholars

J. P. Boerman, Michigan State University

T. S. Dennis, Purdue University

L. F. Ferraretto, University of Wisconsin–Madison

J. Laporta, University of Wisconsin–Madison

2014 Young Animal Scholars

A. S. Bhatnagar, University of Nebraska–Lincoln

K. F. Coble, Kansas State University

B. W. Daigneault, University of Illinois

M. A. Erasmus, Michigan State University

O. N. Genther-Schroeder, Iowa State University

N. A. Gutierrez, Iowa State University

L. Prezotto, North Dakota State University

O. J. Rojas, University of Illinois

D. S. Rosero, North Carolina State University

A. R. Taylor, South Dakota State University

L. F. Wang, University of Alberta

A. K. Watson, University of Nebraska–Lincoln

National Pork Board Swine Innovation (Abstract) Awards: Research

D. S. Rosero, North Carolina State University

J. A. Brown, Prairie Swine Centre, Saskatoon, SK, Canada

Continued on the next page

(ADSA Midwest Branch Report continued)

National Pork Board Swine Innovation (Abstract)

Awards: Education

Muhammed Walugembe, Iowa State University

Innovation in Dairy Research Award

Receiver operator curve (ROC) characteristics for a pregnancy test based on milk progesterone (mP4) concentration before or one week after timed AI (TAI). Laura J. Wilsdorf, Scott E. Poock, and Matthew C. Lucy, University of Missouri, Columbia.

Student Competitions

(sponsored by ADSA ASAS Midwest Board)

Undergraduate Student Paper Competition—Oral Division

1. J. T. Gebhardt, Michigan State University
2. M. P. Trudeau, University of Minnesota, St. Paul
3. A. C. Outhouse, Iowa State University

Undergraduate Student Paper Competition—Poster Division

1. C. D. Evans, Kansas State University
2. R. Becerra, Michigan State University
3. B. M. Dado, University of Wisconsin–Madison

Graduate Student Paper Competition—MS Oral

Group 1

1. J. G. Wiegert, Virginia Tech
2. E. W. Stephenson, Kansas State University
3. F. Wu, University of Minnesota, St. Paul

Group 2

1. K. N. Niederecker
2. V. C. Kennedy, North Dakota State University
3. K. J. Haerr, University of Illinois

Graduate Student Paper Competition—MS Poster

1. R. S. Stokes, Iowa State University
2. M. M. Krautkramer, University of Wisconsin–Madison
3. D. G. Cook, University of Arkansas

Graduate Student Paper Competition—PhD Oral

1. J. R. Russell, Iowa State University
2. J. T. Seibert, Iowa State University
3. J. A. De Jong, Kansas State University

Graduate Student Paper Competition—PhD Poster

1. K. F. Coble, Kansas State University
2. N. E. Manzke, North Carolina State University
3. H. L. Frobose, Kansas State University

David Carlson
Past President, ADSA Midwest Branch

Graduate Student Division Update

The ADSA Graduate Student Division (GSD) Advisory Council (officers Curtis Park, Adam Geiger, Catie Cramer, Melissa Cornet, Eric Testroet, and Barbara Wadsworth) has been working hard to create new opportunities for all GSD members to learn and interact, as well as increase future dairy science PhD candidate numbers! We have also been planning new events and maintaining popular past events at the 2015 joint annual meeting.

JAM 2015

The GSD will host *Making Science Sexy: Communicating your Relevance*, an interactive workshop presented by keynote speaker Michele Payn-Knoper that will address how to sell science and influence the nonscience world. All attendees will receive a copy of Michele Payn-Knoper's book titled *No More Food Fights!*

The annual GSD Career Insights Luncheon is being replaced this year with the Professional Development Luncheon: *Your Résumé May Get You in the Door, but Your APCs Will Separate You!* In this presentation by Mike Moseley, students will learn how their **attitude**, **aptitude**, **passion**, **persistence**, and **communication** skills will separate them beyond their résumé. This event is open to all graduate students.

Another new event at the 2015 JAM is the *ADSA Student Three-Minute Thesis Challenge*. This event will test competitors' abilities to concisely convey their research in a way that is understandable to all. Entry will be limited to those students selected by a panel of judges based upon strength of their CV and a 100-word abstract describing the presentation. Five graduate students and five undergraduate students will be invited to participate in this inaugural event and will compete for cash prizes to be awarded to the first and second place graduate and undergraduate students as determined by a panel of judges.

Howl at the Moon will be the location of this year's GSD student mixer, where the high-energy dueling pianos will have everyone singing and dancing to their favorite tunes. Entertainment mixed with a great networking opportunity will appeal to hundreds of dairy science graduate students from around the globe!



Pioneers in Dairy Science

The ADSA Graduate Student Division is extremely pleased with the success of the monthly *Pioneers in Dairy Science* webinar series. Featured speakers provided a historical perspective of how their professional work has shaped modern-day dairy science. All past webinars can be viewed on the GSD Pioneers in Dairy Science web page. The GSD will continue the Pioneers webinar series this year on a limited basis. Be looking for an announcement about upcoming webinars soon!

myDairyCareer

myDairyCareer continues to be a popular complimentary online job resource center that unites the best and brightest of the next generation of dairy scientists with current dairy-focused jobs, postdoc positions, academic positions, and even graduate-student internship opportunities. There are currently 75 student profiles and 26 job postings listed, but we are always looking for more! Please encourage anyone looking to hire a dairy scientist to create a profile on the website and begin posting jobs today!

GSD Newsletter

The fall, winter, and spring issues of the GSD Newsletter have been sent to our members, and all past issues can be found on our website. Each newsletter includes an Industry Spotlight, where we interview a dairy

Continued on the next page

(Graduate Student Division Update continued)

professional; two Student Spotlights that showcase GSD award winners; and the very popular International Spotlight article, where the dairy industry of a different country is featured each quarter. If you are interested in writing an article about your home country or a country you have visited, please contact Adam Geiger (adam-jgeiger@gmail.com).

Facebook Group

The ADSA Graduate Student Division Facebook group has 352 members. Last year at this time, we had 318 members, and two years ago we had 252 members. The

Communication Committee has continued “Milk Talk Mondays” on our Facebook page. Each post includes interesting dairy-related articles posted every Monday. If you are not yet a member of this group, please add us to stay up to date on ADSA GSD and dairy-related information!

We are looking forward to rounding out this successful year with an amazing 2015 JAM in Orlando! Please contact ADSA GSD President Curtis Park (cwpark@ncsu.edu) with any questions or ideas for improvement or if you would like to get more involved in the ADSA Graduate Student Division!

Student Affiliate Division Update

This has been another busy year for the Student Affiliate Division! The ADSA-SAD officer and advisor team has been working hard to plan an entertaining and educational meeting in Orlando and coordinate regional meetings that more conveniently offer friendly competition and helpful networking opportunities.

Plans are well under way for the 2015 ADSA-SAD meetings in Orlando. This year’s meeting will kick off on Saturday with an educational program at SeaWorld’s Animal Rescue and Rehabilitation Laboratory. Students will also have time to enjoy the shows and exhibits at SeaWorld later that afternoon. Saturday evening students will relax poolside at the hotel and get to know students from other schools.

Following the luncheon and officer-candidate introductions, Sunday afternoon students will be competing in the Dairy Quiz Bowl, followed by the JAM opening session. Monday will start off with the hanging of the SAD posters and turning in yearbooks and scrapbooks. We will fill the rest of the day with SAD competitions and end with a mixer at Downtown Disney. Tuesday, we’ll have our business meeting, where we will elect our new officers; have our Career Sym-

posium; and have the grand finale: our Awards Luncheon. The always-entertaining Udderly Ultimate Quiz Bowl competition will feature the SAD officer team versus the ADSA board. The luncheon is packed with award recognitions and will conclude with the announcement of the new SAD National Officer Team.

Regional meetings in the Midwest, Northeast, and South were a success. The Western region did not meet this year. In all, nearly 600 members of SAD participated in these regional meetings for activities including quiz-bowl competition, research-paper presentations, tours, and more. Regional meetings are a fantastic way to get dairy club members from across the United States excited about the national meeting, and a national officer or advisor was present at each of the meetings to promote the activities for the national meeting.

The members of the national officer and advisor team are all honored to serve the members of ADSA-SAD and excited for the great times to be had at the national meeting in Orlando!

For more information about ADSA-SAD, we invite you to visit www.adsa.org/sad.

DAIReXNET: Dairy Extension Online

What is DAIReXNET?

DAIReXNET is a national extension resource that provides science-based, peer-reviewed information for the dairy community through [eXtension.org](http://www.extension.org).



What Does DAIReXNET Have to Offer?

When you visit DAIReXNET, you will find

- live and archived webinars,
- articles on various dairy topics,
- expert-created, peer-reviewed resources,
- educational tools for classes and extension programs, and
- newsletter content.

DAIReXNET also offers a venue for publishing sound science-based resources written by experts like you! All articles for this national extension publication are peer-reviewed and professionally copyedited. You can also contribute by reviewing articles and other materials or by joining our management team. If you'd like more information on writing articles or other contributions, please contact Donna Amaral-Phillips at damaral@uky.edu or Nancy McGill at nancy.chenault@uky.edu.

Tools for Classrooms and Extension Programs

Our science-based articles and webinars are great supplemental materials for courses and programs for a wide range of audiences; undergraduate- and graduate-level students, extension educators, youth, allied industry personnel, and dairy producers can all benefit from our resources. Many of these resources are suited for use in newsletters and other publications. Article topics cover all major aspects of dairy production, and some topics covered in past webinars include preventing lameness, silage management, subclinical hypocalcemia, managing farm labor, and formulating diets for pens of cows.

You can find all of our past sessions in our webinar archive. Nearly all of these webinars have been approved for ARPAS credit, which can be used to fulfill IACUC requirements at some institutions. In addition to our archived webinars and articles, we will also conduct a new series of webinars in fall 2015 and spring 2016.

Exclusive Feature Articles

DAIReXNET has a long-running series of exclusive new dairy articles, published near the first of each month. Focusing mainly on nutrition, the feature series also reaches into labor management and calf care. All currently available articles in this series are listed here, and most are perfect for use in newsletters and other publications. Some of the topics we've covered include

- Vaccination against *Staphylococcus aureus* mastitis in dairy cattle,
- Checklist for nutritional aspects for improving eep productive efficiency,
- Precision-feeding dairy heifers,
- Real world vitamin recommendations,
- Management of fresh dairy cows critical for a dairy's profitability, and
- Sugar in diets for lactating dairy cows.

Keep Abreast of New Content!

Would you like to stay informed on DAIReXNET's new programs and content? You can keep an eye on our upcoming webinars page, sign up for our newsletter, or fol-

Continued on the next page

(DAIReXNET: Dairy Extension Online continued)

low us on Twitter or Facebook to see when we announce upcoming webinars and our latest articles!

Collaboration on AFRI Grants

As Agriculture and Food Research Initiative (AFRI) funding becomes more focused on true integration of research and extension work, DAIReXNET can be a valuable partner in this arena. To name just a few delivery methods,

collaboration can include webinars, dairy producer- and industry-oriented articles, and lay summaries of the outcomes of research projects.

If you are interested in collaborating with DAIReXNET, please contact Donna Amaral-Phillips at damaral@uky.edu for more information.

Explore DAIReXNET today at www.extension.org/dairy+cattle. For announcements, news, and reliable dairy information, sign up for our newsletter at eXtension.org.

Discover Conference Series



28th Discover Conference

"Starch for Ruminants (Dairy and Beef Cattle)" was held October 6–9, 2014, at the Northern Illinois University Conference Center in Naperville, Illinois. The conference co-chairs were Randy Shaver (University of Wisconsin), Bill Weiss (The Ohio State University), and Rick Grant (Miner Institute). The remaining Program Committee members were Mike Allen (Michigan State University), Galen Erickson (University of Nebraska), Patrick Hoffman (University of Wisconsin), and Mark Nelson (Washington State University).

The goal for the conference was to provide a venue for exchange of information and ideas on this topic and to allow for greater field input for research directions and opportunities. Presentations and discussion were organized around

- animal constraints to starch utilization by ruminants,
- cereal-crop constraints to starch utilization by ruminants,

- effect of ruminal acidosis on animal health and performance,
- starch digestibility in ruminants: laboratory analyses and modeling,
- starch utilization work groups, and
- dietary starch interrelationships with other nutrients.

There were 164 conference registrants from 30 US states and 16 countries, including 41 international registrants and industry representatives from 23 states and 13 countries. The conference was supported by 22 sponsors representing a diverse sampling of the feed industry. Six of the sponsors were new Discover sponsors.

29th Discover Conference

"Amino Acid Requirements of Dairy Cattle" is scheduled for May 26–29, 2015, at the Eaglewood Resort & Spa, Itasca, Illinois. The Program Committee members

Continued on the next page

(Discover Conference Series continued)

are co-chairs Alex Hristov (The Pennsylvania State University) and Helene Lapierre (Agriculture & Agri-Food Canada); Mark Hanigan (Virginia Tech University); Lou Armentano (University of Wisconsin); Brian Bequette (University of Maryland, deceased); and Glen Broderick (Broderick Nutrition & Research LLC).

The DC29 conference topics include protein and amino acid supply; protein and amino acid requirements; modeling and models; low-crude-protein diets and environmental impacts; and field applications—industry panel discussion. There is enormous interest in the conference as demonstrated by the 20 sponsors and registrations at this point.

30th Discover Conference

“Creating an Enduring US Dairy Production Sector” is scheduled for November 2–5, 2015, at the Eaglewood Resort and Spa in Itasca, Illinois. The conference will address various economic, environmental, and social issues facing the industry today. Organizations and individuals engage with these challenges and opportunities in US dairy production—each biased by their own perspective. Some emphasize global food security and unprecedented growth in global demand for dairy products. Others call for freezing the environmental footprint of agriculture and preserving wildlife habitat. Yet still others highlight the need for upholding the rights of those

involved in producing and consuming dairy products and the well-being of animals.

The Program Committee members are co-chairs Roger Cady, global sustainability lead, Elanco, and Ermias Kebreab, Sesnon Endowed Chair in Sustainable Animal Agriculture, UC-Davis; Mark Stephenson, agricultural economist, University of Wisconsin, Madison; Neal Martin, USDA-ARS (retired); Juan Tricarico, director, Cow of the Future, Innovation Center for US Dairy; and Andre-Dennis Wright, University of Arizona.

The conference themes for DC30 are

- Setting the Stage—Sustainability and Food Security,
- Perspectives from Dairy Sector Stakeholders,
- Role of US Dairy Industry Within the Global Dairy Marketplace,
- Water: Availability and Quality and the Dairy Industry Footprint,
- Opportunities and Benefits for the US Dairy Industry, and
- Innovative Pathways Forward.

Information related to registration and programs for Discover Conferences are available at <http://www.adsa.org/discover/>.

Please note the sponsor logos for each conference on the Discover website. Sponsor contributions help ensure the success of a conference and are greatly appreciated.

Corporate Sustaining Membership

Journal of Dairy Science®

Two options to meet your needs are available; an additional fee is required for each:

Option A: Corporations may choose to reimburse the professional dues of one or more employees, who would then have individual electronic access to JDS. Professional members may purchase a paper copy of the journal for an additional fee, and have access to all other individual member benefits described above.

Option B: Corporate access through a site or multi-site license. Contact Elsevier customer service for more information.

North America and Rest of World: JournalsOnline-Support-usa@elsevier.com

Europe: eurosupport@elsevier.com

S-PAC Subscription at the Member Rate

ADSA's high-value product S-PAC (Searchable Proceedings of Animal Conferences) is the most comprehensive animal production and management conference proceeding database in the world. This unique collection of conference proceedings and presentations is a must-have resource for animal scientists, veterinarians, academicians, consultants, and members of industry around the world. S-PAC is available to ADSA

Corporate Sustaining members at a deep discount. Corporate Subscription allows for three concurrent users, and multiple subscriptions may be purchased. Try S-PAC at no risk—five days for only \$5—to see the power of this unique tool.

Joint Annual Meeting Benefits

One free JAM registration—a \$375 value for this benefit alone!

- Listing of corporate name at the ADSA membership booth
- Exhibit booth discount for in-line or corner booth

Corporate Sponsor Recognition

- A listing on ADSA's website, with a link to your home page
- Your company name on the back cover of the *Journal of Dairy Science*—that gives your company 12 prominent worldwide exposures per year!
- Your company name on the *Journal of Dairy Science* website (About the Journal) and in the JAM Program

Please contact Vicki Paden at vickip@assochoq.org to become a Corporate Sustaining Member.

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Kent Nutrition Group
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 Zook Nutrition & Management Inc.

S-PAC®—Your Dairy Information Portal

Have you given S-PAC a try? If you have searched abstracts from the joint annual meeting, you have had a taste of what is available and what it can do, but have you checked out the real power of this information tool? The Searchable Proceeding of Animal Conferences (S-PAC), the largest online collection of animal and dairy foods conference proceedings in the world, is a unique, online, user-searchable database. It allows subscribers to search all conferences in the database in a single pass for the specific information needed. It works on your computer, tablet, or smartphone, so you have access whenever and wherever you are.

Each year, many state, regional, national, and international conferences are held for producers, agricultural professionals, and scientists, where cutting-edge research and management information is provided. Frequently, the first, and sometimes the only, place this information appears is in the conference proceedings. S-PAC was established as a convenient way to provide access to the wealth of valuable information available

from these conferences. It allows a much broader audience than just conference attendees, or even those who happen to find the conference proceedings, to use the information provided at the conferences. S-PAC's reach extends around the globe; subscribers include dairy professionals from the United States and 40 other countries.

The Searchable Proceeding of Animal Conferences (S-PAC), the largest online collection of animal and dairy foods conference proceedings in the world, is a unique, online, user-searchable database.

There are currently 517 proceedings from 56 different conferences available to subscribers. For several conferences, S-PAC is the only place the proceedings are available electronically. Some of our recent additions include the Symposium on Gut Health in Production of Food Animals, the Group-Housed Calf Systems Sympo-

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Discover S-PAC!

<http://spac.adsa.org>

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The screenshot shows the S-PAC website interface. At the top, there is a search bar and a navigation menu with links for S-PAC Home, ADSA Home, About S-PAC, Using S-PAC, Terms & Conditions, Subscribe to S-PAC, and Contact Us. The main content area is divided into several sections:

- Login:** A form with fields for Username and Password, and a LOG IN button. Below it are links for "How do I subscribe?", "How do I renew?", and "Retrieve login/password".
- Books:** A section titled "Large Dairy Herd Management Book" with a sub-section for "Non-English Proceedings" listing "Manejo de Estres por Calor en Ganado Lechero [2013, 2011]".
- Participating Conferences:** A list of conferences including "ADSA Annual Meeting Abstracts [display years]", "ADSA Divisional Meeting Abstracts [display years]", "ADSA-ASAS Midwest Meeting Abstracts [display years]", and "Alternative Feeds for Livestock and Poultry [2003]".
- Welcome to S-PAC:** A large text block stating "S-PAC is the most comprehensive animal production and management conference proceeding database in the world. This unique collection of conference proceedings and presentations is a must-have resource for animal scientists, veterinarians, academicians, consultants and members of industry around the world. The value of S-PAC increases every time a conference and a set of proceedings is added. Your value to your organization increases every time you efficiently provide information using this powerful database tool. If you can't attend the multitude of conferences that S-PAC spans, do the next best thing: subscribe to S-PAC today!"
- Invitation:** A banner that says "All are invited to Try S-PAC --- 5 days for \$5!".
- Testimonials:** A section titled "Here's what S-PAC subscribers are saying..." featuring quotes from Al Kertz, Ph.D., Dipl. ACAN ANDHIL LLC and Luis A. Rodriguez Ph.D. P.A.S. Zinpro Corporation.

(SPAC continued)

sium, and English and Spanish versions of the Managing Heat Stress in Dairy Cows conferences. A sampling of the well-known national conferences available includes the American Association of Bovine Practitioners (AABP), the Western Dairy Management Conference, the Cornell Nutrition Conference, and the Western Canadian Dairy Seminar. We have a growing selection of international conferences, including the International Symposium on Dairy Cattle Nutrition (Wageningen), the International Symposium on Dairy Cow Nutrition and Milk Quality—Beijing, China, the International Colloquium on Paratuberculosis (ICP), and those from the EAAP. New conferences and additional proceedings are being added on a regular basis, making S-PAC a tool of ever-increasing value. The current edition of the *Large Dairy Herd Management* textbook is also included. S-PAC is the only place this classic text is available electronically. The combination of cutting-edge, real-world application of research presented in the proceedings and the classic textbook make S-PAC an outstanding resource for the classroom. Our academic-library subscription option or the inexpensive student subscriptions make it a great value for students and instructors.

S-PAC is easy to use. Each article in the database is stored as an individual PDF, allowing the collection to be searched any way you wish. This means that rather than going to multiple sets of proceedings that are sitting on your bookshelf and paging through them for information that you need, or checking numerous websites for

information that you think may have been presented at a conference, a visit to S-PAC allows you to rapidly search all proceedings in the database for the information you need.

Visit <http://spac.adsa.org/> to try S-PAC for yourself; you will find a list of all conferences, a calendar of upcoming conference dates, and links to websites for many. You can test drive the system at the special rate of \$5 for five days. This allows you full access to the system as many times as you would like during those five days, and you can sign up for this offer repeatedly. To sign up for the special offer, or if you are ready to add S-PAC to your information toolbox, go to the "Subscribe to S-PAC" page and follow the links [that will take you through the Federation of Animal Science Societies (FASS) e-commerce area] to become an S-PAC subscriber. Subscription is open to the public; however, members of the dairy, animal, and poultry science associations, as well as several partner organizations, may subscribe at member rates, a savings of \$75. If you have questions about S-PAC, contact Ken Olson at keolson@prodigy.net or Peter Studney at peters@adsa.org. Also, please join us at 8:00 a.m. on Monday, July 13, for the S-PAC Interest Group at the 2015 JAM.

Remember, S-PAC is one of the many benefits of membership in the American Dairy Science Association. Why not put it to work for you now?

Kenneth E. Olson, PhD, PAS



2015 INTERBULL AND JOINT ANNUAL MEETING REGISTRATION

ADSA®-ASAS Professional Members: Save \$50.00 on JAM registration fees by registering online by 11:59 pm on April 1, 2015, at <http://www.jtmtg.org/2015/Reg.asp>

Member ID# _____ ADSA® First-time attendee
 Member ID# _____ ASAS

Name _____
Last (Family) First Middle Initial

Preferred first name on badge _____ E-mail _____

Institution/company _____

Business address _____

City _____ State/province _____

Country _____ Zip/postal code _____

Phone _____ Fax _____

Partners and children are not required to register. To receive a name badge, please provide name(s) below:

Emergency contact name and phone number: _____

INTERBULL REGISTRATION FEES

Professional \$325
 Student \$250

JAM REGISTRATION FEES

	Before June 19	After June 19
ADSA-ASAS Professional Member	<input type="checkbox"/> \$400	<input type="checkbox"/> \$550
Nonmember	<input type="checkbox"/> \$550	<input type="checkbox"/> \$650
Retiree/Fellow/Emeritus/Life Member	<input type="checkbox"/> \$150	<input type="checkbox"/> \$175
Postdoc Member	<input type="checkbox"/> \$150	<input type="checkbox"/> \$200
Postdoc Nonmember**	<input type="checkbox"/> \$225	<input type="checkbox"/> \$375
Graduate Student Member	<input type="checkbox"/> \$75	<input type="checkbox"/> \$175
Graduate Student Nonmember**	<input type="checkbox"/> \$200	<input type="checkbox"/> \$250
Undergraduate Student Member	<input type="checkbox"/> \$0	<input type="checkbox"/> \$50
Undergraduate Student Nonmember**	<input type="checkbox"/> \$200	<input type="checkbox"/> \$250
One-day registration	<input type="checkbox"/> \$175*	<input type="checkbox"/> \$175*

Note: If you are attending the Interbull Meeting AND the JAM, you must check one registration option for *each* meeting.

ABSTRACT CD

If you would like to purchase an **additional** abstract CD, please check the box below:

Abstract CD \$25

*Please note: The 1-day option is single price and nonrefundable, and cannot be exchanged for another registration option.

**Nonmember Students and Postdocs: Become a member of ADSA and save on meeting registration fees. Simply mark (below) the correct membership category and then, in a single payment, include the Student Membership dues with the appropriate student member registration fee for the 2015 Joint Annual Meeting. Membership will be valid through 12/31/2015.

ADSA Undergraduate Student Membership Dues \$5
 ADSA Graduate Student Membership Dues \$10
 ADSA Postdoc Membership Dues \$55

Students who wish to join ASAS may visit www.asas.org.

REGISTER ONLINE: <http://www.jtmtg.org/2015/Reg.asp>

REGISTRATION FORM CONTINUED ►

TICKETED EVENTS Fee Quantity

Saturday, July 11

- ADSA Student Tour: SeaWorld \$35 _____
- SAD Informal Mixer: Pizza/Pool Party \$23 _____
- SAD Shirt \$15 _____
 Circle size: S M L XL

Sunday, July 12

- Triennial Reproduction Symposium (full day)
 - Professional \$115 _____
 - Student \$35 _____
- Teaching Workshop (full day)
 - Professional \$120 _____
 - Postdoc or PhD candidate \$80 _____
 (Limit: 15 registrations at \$80 rate)
- Joint Interbull/JAM Symposium (AM) \$0 _____
- Joint Interbull/JAM Symposium (PM) \$0 _____
- ADSA GSD Workshop \$10 _____
- SAD Undergraduate Midday Mixer \$5 _____
- Opening Session and Reception \$0 _____

Monday, July 13

- ADSA Production Division Extension Breakfast \$35 _____
- Graduate Student Professional Development Lunch \$10 _____
- ASAS Undergraduate Lunch and Learn \$0 _____
- ASAS Awards Program \$0 _____
- ASAS Awards Celebration \$0 _____
- Iowa State University Reception \$0 _____
- Purdue University Reception \$0 _____
- ASAS Graduate Student Mixer \$10 _____
 (money collected while boarding bus to event)
- SAD Mixer: Downtown Disney \$9 _____

Tuesday, July 14

- University of Illinois Breakfast \$35 _____
- Kentucky Breakfast \$15 _____
- Companion Event 1: Winter Garden Tour (includes lunch) \$85 _____
- ADSA SAD Awards Lunch
 - Professional \$45 _____
 - Student \$39 _____
- ASAS Foundation Heritage Lunch (donations accepted at lunch) \$0 _____
- ASAS Graduate Student Lunch and Learn \$0 _____
- ADSA Awards Program \$0 _____
- JAM Ice Cream Social \$0 _____
- ADSA GSD Mixer \$0 _____
 (first 100 free; then \$5 at the door)

Wednesday, July 15

- Companion Event 2: Kennedy Space Center (includes lunch) \$120 _____
- ADSA-ASAS NE Section Reception \$0 _____
- Mixed Models Workshop (2 days) \$145 _____
- Global Networking Reception (open to all) \$0 _____

PAYMENT

Total Amount Due \$ _____

Check enclosed (drawn on US bank in US funds) -or-

Please charge \$ _____ to my credit card

American Express MasterCard Visa Discover

Card Number _____

Expiration Date _____

Signature _____

CANCELLATION POLICY

Note: This cancellation policy does not apply to nonmember presenters. Abstract presenters must register by **April 1, 2015**; see pages 2 and 3 of this brochure for the nonmember presenter cancellation policy.

To be eligible for a refund of meeting registration fees, requests must be received in writing. If the request is received on or before **June 19, 2015**, the registrant will receive a 90% refund. If the request is received after **June 19, 2015**, NO REFUND will be issued.

The cancellation/refund request deadline applies only to meeting registration fees. Ticketed events may be cancelled if minimum attendance requirements are not met. Refunds will be issued for cancelled ticketed events. **No refunds** will be issued for ticketed events that are not cancelled. All approved refunds will be issued after the meeting in the form in which payment was made.

IMPORTANT DEADLINES

- Abstract Submission **March 3, 2015**
- Nonmember Presenter Registration **April 1, 2015**
- Early Bird Member Registration (\$50 off professional member rate) **April 1, 2015**
- Early Registration **June 19, 2015**
- Housing **June 19, 2015**
- Advance Preload **July 8, 2015**

PLEASE NOTE

Please be sure to preregister for all ticketed events, including social events; tickets will not be available for purchase on site. Scheduling and locations are subject to change without notice. All Interbull and JAM events take place at the Rosen Shingle Creek Resort unless otherwise noted.

SUBMIT THIS REGISTRATION FORM

Register online at <http://www.jtmtg.org/2015/Reg.asp> or complete and mail or fax this form with your check, money order, or credit card information to:

2015 Joint Annual Meeting
 1800 South Oak, Suite 100
 Champaign, IL 61820
 Fax: 217-398-4119

Contact us:
 Phone: 217-356-3182
 E-mail: adsa@assochoq.org, asas@asas.org

ADA COMPLIANCE

ADSA and ASAS choose facilities that are ADA compliant. If you have any questions or concerns, please contact our office.



HOTEL RESERVATION FORM

ROSEN SHINGLE CREEK is pleased to host the ADSA®-ASAS Joint Annual Meeting. We have set aside a limited number of rooms for this group until **Friday, June 19, 2015**. To reserve your room(s), complete and send this form to:

ROSEN SHINGLE CREEK
ATTN: Jeff Quezada
9939 Universal Boulevard, Orlando, FL 32819
(F) 407-996-3157 (toll-free) 1-866-996-6338
groupreservations@rosenhoteles.com

ROSEN SHINGLE CREEK must receive your form, complete rooming list with additional names, if any, and a form of payment on or before **Friday, June 19, 2015**, to guarantee room(s) availability. If you have reserved a block of rooms through a sub-block agreement, please abide by those deadlines.

Room rates

Floors 1 to 7:	Single/double	\$129*	Triple	\$144*	Quad	\$159*
Floors 8 to 14:	Single/double	\$139*	Triple	\$154*	Quad	\$169*

*Please add 6.5% state sales tax and 6% local hotel tax to all rates

PLEASE TYPE OR PRINT

Total number of rooms desired: _____ (Note: Room types are not guaranteed)

1) Number of single rooms (1 person) _____ 3) Number of triple rooms (3 people) _____

2) Number of double rooms (2 people) _____ 4) Number of quad rooms (4 people) _____

Reservation name: _____

Arrival Date: _____ Departure Date: _____

Address: _____

City, State, Zip: _____

Daytime Phone: _____ Fax: _____ E-mail: _____

To **guarantee** your reservation(s), your credit card number is required:

Credit Card Number: _____ **Exp. Date:** _____

Is this a debit card? Yes ___ (Please see note below) No ___

Cardholder Signature: _____

- Please note that the credit card provided will be not be charged. Payment will be collected upon arrival.
- Debit cards will automatically incur a charge for one night per room at time of authorization (check-in).
- Please note that there is a 5-day cancellation policy. If reservations are cancelled within the 5 days before the arrival date, a one night plus tax charge will be placed on the credit card on file.
- Self-Parking is complimentary for JAM attendees staying at the Rosen Shingle Creek.
- Early departure fee is \$50.

Check-in time is 3:00 pm; Check-out time is 11:00 am.
I have read and understand the above information.

Signature: _____ **Date:** _____

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Future Meeting Dates and Deadlines

29th ADSA Discover Conference on Food Animal Agriculture

Amino Acid Requirements of Dairy Cattle

May 26–29, 2015

Eaglewood Resort and Spa, Itasca, Illinois

ADSA-ASAS Joint Annual Meeting

July 12–16, 2015

Orlando, Florida

30th ADSA Discover Conference on Food Animal Agriculture

Creating an Enduring US Dairy Production Sector

November 2–5, 2015

Eaglewood Resort and Spa, Itasca, Illinois

ADSA-ASAS Joint Annual Meeting

July 19–23, 2016

Salt Lake City, Utah