JAM 2016 Approaching

The American Society of Animal Science (ASAS), American Dairy Science Association® (ADSA®), Western Section of the American Society of Animal Science (WSASAS), and Canadian Society of Animal Science (CSAS) 2016 Joint Annual Meeting (JAM) will be held July 19–23 (Tuesday through Saturday) in Salt Lake City, Utah. The opening session will be Tuesday evening, July 19; scientific sessions begin Wednesday morning, July 20, and run through noon on Saturday, July 23.

We are pleased to announce that we currently have 46 unique symposia scheduled for the meeting. These symposia will cover the entire breadth of animal and dairy sciences. This is coupled with several key partnerships, including an American Society for Nutrition (ASN) preconference and a Functional Annotation of Animal Genomes (FAANG) postconference.

The symposia planned for the meeting are as follows:

- ASN–ASAS preconference: Gut microbiota, diet, and health
- ARPAS Symposium: Inflammation alters nutrient metabolism and animal performance
- Non-nutrition, the future of nutrition?
- PANCOSMA Symposium
- Horse species/WSASAS—Pasture and Forages Symposium
- Modeling Symposium (ruminant)
- International animal agriculture: The future of pastoral production systems
- Teaching and education: Animal science education in the current environment
- Dairy Food Division: Increasing utilization of dairy coproducts
- Bovine respiratory disease
- ASAS Cell Biology Symposium
- Small ruminant: Enhancing small ruminant profitability
- Contemporary and emerging issues
- ADSA Southern Regional
- Forages and pastures: Greenhouse gas

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emissions in pasture-based dairy and beef cattle systems: Current practices and future opportunities and challenges
• ADSA production (robotics)
• Horse species: Urban students symposium
• Joint extension and physiology and endocrinology: Enhancing adoption of reproductive management tools for beef and dairy producers
• Comparative gut physiology
• International Perspectives on Bioethical Issues Affecting Animal Agriculture Symposium
• Beef NRC
• Production, Environment, and Management Symposium: Impacts of livestock production on environmental reactive nitrogen
• Meeting today’s animal care standards: Are you ready? (AALAC–ASAS Joint Symposium)
• Translational genomics—Improving welfare of beef cattle
• Growth and development: New-OMICS technologies to understanding the biological processes and network pathways associated with cattle growth and health
• Horse species: Nutrition immunology symposium
• Meat Science Symposium
• Livestock Water Symposium
• Toxic Plant Research Symposium
• Dairy foods (JDS)
• Dairy Food Division: Advances in sustainability within the dairy processing industry
• Food safety: The spectrum of food safety improvement in foods of animal origin

• Lactation Biology Symposium
• CSAS Symposium: Reducing the use of antibiotics in livestock production
• ADSA Production Division (high throughput)
• Breeding and genetics: Resilience of livestock to changing environments
• Companion animal: Protein nutrition
• Extension Education Symposium: Growing extension’s impacts with changing budgets and personnel
• Animal behavior and well-being: Metrics for on-farm animal welfare assessment—Current state and future needs
• MILK Symposium
• Functional Annotation of Animal Genomes (FAANG)
• Growth and development: Triennial growth—New perspectives and insight into intramuscular adipose tissue with differential gene expression, identification of progenitor cells, regulatory molecular mechanisms and genetic landscape and multilayered omics data to genome-wide association studies
• Physiology and endocrinology
• Companion animal: Human–animal bond
• Animal Health Symposium
• ASAS Graduate Student Symposium

The full symposium list by day can be found here: https://asas.org/docs/default-source/JAM2016/jam-symposia-list.pdf?sfvrsn=6. Any questions regarding abstracts should be sent to Samantha Walker at samwa@asas.org.
Letter from the ADSA President

Dear friends,

I am really looking forward to seeing you in Salt Lake City for the 2016 joint annual meeting (JAM). In addition to the pleasure of seeing our colleagues and friends, we have the privilege of seeing the unique beauty of the region. Let us use these visual impressions to inspire and invigorate our senses, our minds, and our spirit of collaboration!

This will not be your JAM as usual. ASAS has brought the use of electronic posters to the meeting. I will admit to being very naïve about the concept of an electronic poster (ePoster) a few months ago, so I searched for some information on Google. Apparently, this is quite the rage, and it is nice to see the innovation applied to agriculture and animal sciences! I am aware, though, that this will require some preparation, and a different way of thinking and presenting our data in dynamic, visually interesting ways. Some of us will be really uncomfortable (yes, that includes me!) and will long for the traditional posters, but my bet is that the 2016 JAM poster sessions will be refreshing and engaging, perhaps a bit overwhelming, and more than a little memorable! I hope you will be there to join in the conversation.

Also, ADSA is experimenting with the annual awards ceremony with an early evening start time, which provides you with an evening to enjoy the Salt Lake City community. Our goal is to create an exceptional opportunity for recognizing our outstanding award winners. Your support and encouragement of our outstanding members is so valued. Please place this as a priority on your JAM schedule.

Leadership in ADSA is amazing! The leaders in our organization serve with passion, conviction, motivation, and energy. The process for selecting the new directors for the ADSA board is occurring as I write this. The Production Division had 11 at-large director candidates initially nominated, and 10 candidates were nominated for Dairy Foods director. Nominees were asked to respond to a set of questions and provide some additional information for introducing themselves to the committees. The two division committees are now reviewing, ranking, and finalizing the nomination process. Soon it will be your turn to participate, as voting is our right and our responsibility! The future of ADSA is about leadership that strengthens our organization with a focus on the vision and mission of ADSA, helps us move forward toward discovery, and keeps us current and in front of the nation as a strong voice for agricultural sciences, and dairy science specifically.

The elected members will join a board that is actively pursuing this vision. We met recently for our mid-year board meeting. The minutes of this meeting and our March board call will be posted to the ADSA website soon. I encourage you to review these minutes so you can be aware of the questions, issues, motions, decisions, and exciting actions in ADSA. Among the many discussions were some highly creative and interesting strategic initiatives relating to dissemination of ADSA’s science, building community, and developing professionals. You have helped us with those discussions through your responses to surveys and engagement with the directors.

I am reminding you to communicate with your ADSA division leaders, your board members, current Vice President Lou Armentano, and with me. We want to hear from you so we can be as informed, thoughtful, and considerate as possible while we serve in our leadership roles. I invite you also to be informed, thoughtful, and considerate as we move ADSA forward together.

Have a great day. See you in Salt Lake City!

Sue Duncan
ADSA President, 2015–2016
Large Dairy Herd Management
Conference and e-Book on Schedule

The ADSA Foundation’s Large Dairy Herd Management (LDHM) project, including the conference, May 1–4 in Oak Brook, Illinois, and the e-book, is on schedule for presentation and release.

Strategic objectives of the e-book and conference are to synthesize and present the latest science and state-of-the-art practices about dairy production and management and to look to the future for notable trends and needs of the global dairy industry.

Conference

The goals of the conference are to bring together experts to present the latest knowledge about management of large dairy herds and to give conference attendees, presenters (e-book authors), and section editors opportunities for interaction and feedback about information presented as a platform for enhancing content of chapters prepared for the e-book.

The conference includes 94 presentations (each presented twice) in 30 sessions over two and a half days. Ample time is scheduled after each presentation for dialogue among conference participants and speakers, and for feedback to e-book authors and section editors. On the afternoon of May 4 (Wednesday), all attendees will engage in a workshop involving six separate sessions to discuss details of content of the conference’s 15 primary session topics and to suggest additions, potential enhancements, and clarifications in e-book chapters.

Commercial sponsorship for the conference and e-book is outstanding, with over 25 international and USA allied companies supporting the conference monetarily through conference session sponsorships specifically or shared e-book section sponsorships at various levels.

More than 500 participants from 19 countries and 33 US states have registered. Attendees include dairy management consultants, technical advisors from allied companies, scientists, university extension educators, dairy producers, and university students.

For conference registration, program, and sponsorship information, visit the LDHM Conference website.

e-Book (Third Edition of LDHM)

A primary reason for the conference is to develop and organize content for the forthcoming e-book. This tried-and-true model for development was used by the dairy faculty at the University of Florida for the first (1978) and second (1992) editions of LDHM. The 15 section editors of the new e-book also are the program committee that organized chapters and presentation topics for the conference. Section editors include Jeffrey M. Bewley, University of Kentucky; Rupert M. Bruckmaier, University of Bern; Heather M. Dann, William H. Miner Agricultural Research Institute; Albert De Vries, University of Florida; Trevor DeVries, University of Guelph; Phillip T. Durst, Michigan State University; Richard J. Grant, William H. Miner Agricultural Research Institute; Joseph P. Harner, Kansas State University; Joseph S. Hogan, Ohio State University/OARDC; Robert E. James, Virginia Tech; Stanley J. Moore, Michigan State University; Carlos A. Risco, University of Florida; Normand R. St-Pierre, The Ohio State University; William W. Thatcher, University of Florida; Steven P. Washburn, North Carolina State University; Kent A. Weigel, University of Wisconsin–Madison; Joseph M. Zulovich, University of Missouri; and David K. Beede, Michigan State University.

The e-book includes 15 sections with 94 chapters covering the latest information about dairy management: large herd systems; building sustainability and capacity; facilities and environment; milk markets and marketing; genetic selection programs and breeding strategies; calves and replacements; reproduction and reproductive management; nutrition and nutritional management; lactation and milking systems; mastitis and milk quality; animal and herd welfare; herd health; business, economic analysis, and decision making; effectively managing farm employees; and precision management.

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technologies. Over 100 authors and coauthors from around the world have contributed. Content in some chapters also links to video media that demonstrates specific management and husbandry practices for commercial dairies. With the living electronic format, the e-book can be updated with new or revised chapters and video media in the future.

The e-book will be available for sale in electronic and print-on-demand formats in early 2017. A special discounted educational price will be available for university students and those enrolled in dairy production and management courses worldwide.

Joint Annual Meeting 2016 LDHM Session

An update for ADSA members, section editors, authors, and sponsors about the LDHM project will be given at a preconference session of the 2016 joint annual meeting in Salt Lake City from 4:00 to 5:00 p.m., Tuesday, July 19.

Dave Beede, e-book editor-in-chief
Larry Miller, ADSA conference director
Molly Kelley, ADSA conference coordinator
Mike Socha, ADSA foundation chair
Louise Adam, e-book technical editor

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From the JDS Editor-in-Chief

I started as editor-in-chief of the Journal of Dairy Science (JDS) in August 2014. It is hard to believe that by the time that I write my next newsletter article, I will have completed two years of my five-year term. I continue to enjoy the work that I do. I have said it before and will say it again: one of the reasons that I like the job is because I work with so many highly motivated and dedicated people. These people include authors, editors, reviewers, and FASS staff. It is a cliché but nonetheless it is very true—people make the difference! Thank you to all those individuals that make JDS a success.

As I travel to dairy meetings and listen to scientific presentations that are made to farmers, veterinarians, and allied industry personnel, I see the JDS brand prominently displayed in association with research findings. The reason that speakers show our brand is because they know that the audience will recognize the brand and understand that it means quality in terms of science. Can there be any greater satisfaction than knowing that the industry we serve so proudly readily recognizes the science that we publish? The notion that JDS represents excellence is firmly held. Perhaps this explains the record year that we had in 2015 with respect to submissions and published pages. The pace of the submissions has not slowed in 2016, so we expect strong numbers for the foreseeable future.

The Journal of Dairy Science serves a tremendous number of people. At a recent meeting, we learned that 50,000 different individuals access free journal content every month. This is over 10 times the number of ADSA members, which means that most of these individuals do not belong to ADSA. We also learned that there were one million pdf downloads of JDS articles in the past year. In an effort to learn more about the people who access JDS content, we are initiating a simple registration process that will enable access to our free content once the individual has registered. If you are like me, you hate it when asked to register on an Internet site! Please bear with us as we gather this information so that we can make more informed decisions about how to manage JDS content.

My guess is that many of you have seen or heard about the new sections in JDS. I was very pleased with the response that we received regarding a press release that FASS created to introduce the new sections. It will take several months to complete the switchover, but all indications are that things are going well. We also added several new section editors so that our new sections could be adequately served. In an effort to create more uniformity and greater understanding of the review process that we use at JDS, we brought together all section editors in February 2016 for section editor training. We discussed a number of topics for improvement, and the group appreciated the effort. The sense that I am getting is that the new sections and additional section editors have relieved some of the time pressure that typified the experience of past section editors. We will be performing an initial review of the sections and section editor assignments this summer. If need be, we will move some section editors to new sections to balance the workload. It is important to have a balanced workload so that the very best reviews are performed and returned to authors in as little time as possible. Scientists do not always agree, but one thing that seems to make everyone happy is a meaningful review from at least two qualified reviewers within 30 days of manuscript submission. This is what we are trying to achieve with JDS.

Section editors, the Journal Management Committee, the ADSA board, Elsevier staff, and FASS staff met in February 2016 to do strategic planning for JDS. The strategic planning initiative is

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partially funded by Elsevier. The concept is to bring everyone together to talk about short-term and long-term initiatives for the journal. From these discussions we developed a list of near-term (easy) things to address as well as mid- and long-term (more time consuming or more difficult) things to address. Examples of short-term items include policy decisions that need to be put in place (allowing digital signatures on JDS forms, for example) as well as some time-sensitive initiatives that need to get moving. One time-sensitive initiative is to begin work on a special issue of volume 100 of JDS. I have tentatively named the special issue "Journal of Dairy Science—The First 100 Years," which is to be published in print and online and to coincide with the 2017 ADSA annual meeting in Pittsburgh. The concept is to select broad topics (genetics, reproduction, nutrition, foods, and so on) and invite experienced authors to provide a historical perspective of published research in JDS.

The mid- and long-term initiatives are too numerous to mention here, but they do include developing plans to increase the number of invited reviews, enhance the visibility of JDS collections, and track the number of downloads for individual papers. We also plan to recognize the JDS “100+ Club” at the 2017 meeting. The 100+ Club includes authors with 100 or more JDS publications. The club currently has 18 members. Finally, we are exploring the possibility of starting a second journal to reduce the tremendous volume of submissions coming into JDS. This second journal would be tailored to specific content. The concept is not unlike that practiced by other journals published by Elsevier, such as Cell that also publishes Cell Metabolism, Cell Stem Cell, and so on. The name, scope, business model, and implementation timeline for the new journal are under consideration. One plan is for volume 1 to be in 2018, which coincides with volume 101 of JDS.

I am smiling to myself as I complete this article. One of the items on our agenda is to address "short communications" to JDS that are longer than 4 published pages. And here I am at about 1,000 words (150 over the limit!). Thank you again for the opportunity to act as editor-in-chief. That is enough for now!

Matt Lucy
JDS Editor-in-Chief
Graduate Student Division Update

The ADSA Graduate Student Division (GSD) Advisory Council officers (Adam Geiger, Hiral Vora, Elizabeth Eckelkamp, Brittany Casperson, Gil Tansman, and Benjamin Enger) have been working hard to create new opportunities for all GSD members to learn and interact, as well as increase future dairy science PhD candidates. There are currently 335 graduate student members and 31 transitional members. Our Advisory Council has been planning new events as well as maintaining popular past events for the 2016 joint annual meeting (JAM) in Salt Lake City, Utah. We encourage all graduate students attending JAM to register for our GSD events on the ADSA Ticketed Event Registration page.

Graduate students will once again be joining the ADSA Student Affiliate Division on a pre-JAM tour to Bateman's Mosida Farms in Elberta on July 18. Owned and operated by the Bateman family, it is one of Utah's largest farms and has been touted as a model of efficiency, animal care, and high quality milk. Next, we will depart for Utah Olympic Park, one of the venues for the 2002 XIX Olympic Winter Games. Today it is an active Olympic training site and a Winter Sports Center with a Ski Museum and 2002 Olympic Winter Games Museum.

Leon Spicer and Al Kertz will provide practical insight on separating yourself from the rest when it comes to applying for jobs during the GSD Workshop on July 19. The workshop will cover topics from interview dos and don’ts, to the differences between CV and resume writing and much more. The GSD will hold our annual business meeting and open forum at the conclusion of the workshop. All ADSA members are invited to attend the business meeting!

This year’s JAM will showcase the return of the career insights luncheon, a roundtable career development event that provides graduate students the opportunity to interact with career professionals from industry, academia, and government agencies. This event, held on July 20, is intended to give attendees an informal environment in which to inquire about each professional’s personal journey and the challenges they encountered along the way.

The ADSA GSD and Student Affiliate Division members are encouraged to take part in the return of the three-minute thesis challenge on July 21. This event will test the competitors’ ability to quickly and concisely convey their research in a way that is understandable to all. Entry details will be released soon, and everyone is invited to attend the challenge to watch these students compete for cash prizes and present their research in a fun and exciting way!

Later that evening, graduate students can plan to relax and enjoy a fun night of entertainment and networking with their fellow GSD members at Keys on Main, where dueling pianos play the most popular hits guaranteed to have you singing along! Students are encouraged to attend and complete the interactive mixer for their chance to win exciting prizes!

Outside of JAM, the ADSA GSD has been extremely pleased with the continuation of the Pioneers in Dairy Science webinar series. All past webinars can be viewed on the GSD Webinar Recordings and GSD Pioneers in Dairy Science web pages. To date, the GSD has recorded 16 webinars and will continue the series this year on a limited basis. Be looking for an announcement about upcoming webinars soon!

myDairyCareer continues to be a free online job resource center that unites the best and brightest of the next generation of dairy scientists with current dairy focused jobs, post doc positions, academic positions, and even graduate student internship opportunities. There are currently 75 student profiles and 30 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!

The summer, fall, and winter issues of the GSD Newsletter have been sent to our members, and Continued on the next page
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all past issues can be found on our website. Each newsletter includes an Industry Spotlight, where we interview a dairy professional, Student Spotlights that showcase GSD award winners or current officers, and the very popular International Spotlight article, where dairy industries around the globe are featured each quarter. If you are interested in writing an article about your home country or a country you have visited, please contact Hiral Vora (hiral218@gmail.com).

The ADSA GSD Facebook group has 398 members. Last year at this time, we had 352 members, and two years ago we had 318 members. The Communication Committee has continued “Milk Talk Mondays” on our Facebook page, where each post includes interesting dairy-related articles and facts. 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 2016 JAM in Salt Lake City! Please contact ADSA GSD President Adam Geiger (adamjgeiger@gmail.com) with any questions or ideas for improvement, or if you would like to get more involved in the ADSA GSD!

DAIReXNET: Online Dairy Extension
The Best Kept Secret

What is DAIReXNET?

DAIReXNET is a national extension resource, which provides science-based, peer-reviewed information for the dairy community through eXtension.org.

What Does DAIReXNET Have to Offer?

When you visit DAIReXNET, you will find

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

DAIReXNET also offers a venue for publishing sound resources that are science based and producer and industry friendly 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.

Tools for Classrooms, County Educators, Allied Industry Personnel, and Extension Programs

Our articles and webinars make great supplemental materials for courses and programs directed toward a wide range of audiences; undergraduate and graduate 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,
- sire selection considerations,
- managing farm labor,
- formulating diets for pens of cows, and
- herd-level ketosis management.

You can find all of our past sessions in our webinar archive. Almost all of these webinars have been approved for ARPAS credit, which can be used to fulfill IACUC requirements at some institutions.

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Symposia Available at No Cost to Members

Select symposia have been recorded at each joint annual meeting from 2003 to 2013, and 2015, 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.

Exclusive Feature Articles

DAIReXNET has a long-running series of exclusive dairy articles, published on or near the first of each month. Focusing mainly on nutrition, this series also reaches into labor management, calf care, and other topics. 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 have covered include

- Responsible Use of Antibiotics for Treatment of Clinical Mastitis,
- Checklist for Nutritional Aspects for Improving Reproductive Efficiency,
- Precision-Feeding Dairy Heifers,
- Real World Vitamin Recommendations,
- Management of Fresh Dairy Cows Critical for a Dairy’s Profitability, and
- Getting Dairy Cows off to a Good Start—The SIP Principle with Colostrum.

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 follow us on Twitter or Facebook to get announcements for upcoming webinars and our latest articles.

Collaboration on AFRI Grants

As 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 or contributing in other ways, please contact Donna Amaral-Phillips at dmaral@uky.edu or Nancy McGill at nancy.chenault@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
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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.

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North America and rest of world: JournalsOnline-Support-usa@elsevier.com
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ADSA’s latest 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 (JAM) 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@assochq.org to become a Corporate Sustaining Member.
Surveys Speak

From the 2015 postmeeting survey: Compared with the 2013 ADSA-owned-and-operated joint annual meeting, overall value, for the registration rate paid, moved up by 6.3%, from 3.63 to 3.86; the overall conference experience rating increased by 3%, from 3.95 to 4.07 (5-point scale).

From the fifth ADSA professional member satisfaction survey, December 2015: 87.5% of professional members responding were either extremely or somewhat satisfied, up from 86.4% for the combined top two ratings in 2014.

Student Affiliate Division Update

Spring has sprung, and things are buzzing for this year’s Student Affiliate Division (SAD)! The ADSA-SAD officer and advisor team has been hard at work planning an entertaining and educational meeting in Salt Lake City and helping with the regional meetings that more conveniently offer friendly competition and helpful networking opportunities.

Plans are well underway for the 2016 ADSA-SAD meetings in Salt Lake City. We will start our program on Monday with a tour of Bateman Mosida Farms. They milk 7,000 cows in side-by-side double 40 milking parlors—something most students have not likely seen before. Bateman Farms are innovation leaders in many respects. On our way back, we will stop by the Utah Olympic Park, site of the 2002 Winter Olympics, and featuring ski jumps, bobsled rides, a zip line, and museums. We want to thank the Utah Dairy Council for their help organizing this day. This is will be a great start to our meetings.

On Tuesday, schools will be facing off in the Dairy Quiz Bowl. Wednesday is competition day starting with poster presentations, followed by judging of yearbooks, scrapbooks, annual reports, and oral presentations. On Thursday, after our business meeting and election of officers, we are pleased to announce that DFA will lead a social media training program for our students. This will be a highly interactive program that will help students be proactive when speaking about the industry we love.

We will wrap up our meeting with our awards luncheon. All attendees at the joint annual meeting are invited to join the SAD luncheon. This is a great opportunity to interact with the best dairy science students from programs across the country and share in the celebration of their successes from the week.

One of the greatest tasks we face as a division is the recruitment of judges for the many competitions we host. If you are planning to attend the joint annual meetings in July and would be willing to serve as a judge for one of our contests, please contact Molly Kelley at mollyk@adsa.org.

Regional meetings in the Midwest, Northeast, and South were a success. Students from the Western region were invited to join the Midwest because they did not meet this year. Hundreds of SAD members representing schools from across North America 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 Salt Lake City! For more information about ADSA-SAD, we invite you to visit www.adsa.org/sad.
Discover Conference Series

The 30th DISCOVER Conference “Creating an Enduring US Dairy Production Sector” was held November 2–5, 2015, at the Eaglewood Resort and Spa in Itasca, Illinois. The conference addressed various economic, environmental, and social issues facing the industry today. The Program Committee members were 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, Innovation Center for US Dairy; and Andre-Dennis Wright, University of Arizona.

The themes for the 30th Discover Conference were
• US role in global food security,
• Why sustainability?—Perspectives from dairy sector stakeholders,
• Sustainability in a global dairy marketplace,
• Dairy production and the environment,
• Opportunities in sustainability, and
• Pathways forward/next steps.

There were 79 conference registrants from 24 US states and 6 countries and several industry and government attendees. The conference was supported by seven sponsors, representing the dairy industry, including one new Discover sponsor.

Large Dairy Herd Management Conference, an ADSA Foundation Initiative

There will be no Discover Conference scheduled in the spring of 2016 due to the Large Dairy Herd Management (LDHM) conference May 1–4, 2016, in Oak Brook, Illinois. See the article on page 5 for more information on the LDHM Conference.

The 31st Discover Conference “Big Data Dairy Management” is scheduled for November 1–4, 2016, at the Hilton Chicago/Oak Brook Hills Resort, Oak Brook, Illinois. The Program Committee consists of co-chairs Jeffrey Bewley (University of Kentucky) and Christina Petersson-Wolfe (Virginia Tech); Stephen LeBlanc (University of Guelph), Alan Fahey (University College Dublin), Albert De Vries (University of Florida), Mike Overton (Elanco), Juan M. Tricarico (Innovation Center for US Dairy), and Miel Hostens (Ghent University).

Big data represents a potential management breakthrough for the dairy industry. The key components of big data are analysis, capture, data curation, search, sharing, storage, transfer, visualization, and information privacy. The dairy industry provides a perfect application of decision science and big data. Combining information helps to improve decision making, operational efficiency, cost and revenue optimization, and risk management. The Discover Conference format will provide a great venue for exchange of information and ideas related to big data by academic and industry leaders.

The conference sessions are
• Introduction to Big Data,
• Big Data Working Already (from different perspectives),
• Data Analysis Techniques,
• Data Integration and Visualization, and
• Sensor Data and Use.

2017 Conferences

Several topics for future Discover Conferences are currently being evaluated.

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.
Letter from the ADSA Foundation Chair

The ADSA Foundation continues to be active in its pursuit of providing educational and scientific activities for the betterment of the dairy industry with several big upcoming events as well as completion of another Discover Conference.

First, we should note that there will not be a Discover Conference this spring. Rather, a conference to facilitate development of the third updated edition of the *Large Dairy Herd Management* e-book will take place May 1–4, 2016, at the Hilton Oak Brook Hills Resort and Conference Center in Oak Brook, Illinois. We are anticipating a great turnout for this conference and demand for housing is running high.

Conference participants will get a chance to preview the contents of the *Large Dairy Herd Management* e-book, which will cover numerous topics ranging from dairy facilities, milk marketing, dairy nutrition, reproductive management, milk quality, and herd health to managing employees. Dave Beede and his editors have pulled together a team of authors that are leaders in their fields, making this conference and e-book the source of the most up-to-date information for the dairy industry.

The goal is to have the third edition of the *Large Dairy Herd Management* e-book completed in 2017.

Work continues on planning the 31st Discover Conference on Big Data Dairy Management. This conference will be held at the Hilton Chicago/Oak Brook Hills Resort and Conference Center, November 1–4, 2016. The dairy industry holds tremendous potential for application of decision science and big data because of (1) considerable price, weather, and biological variation and uncertainty; (2) availability of technologies, such as those that monitor dairy cow yield, physiology, and behavior; and (3) fluid milk, the primary industry output, is difficult to differentiate, increasing the need for alternative means of business differentiation. Big data represents a potential management breakthrough for the dairy industry. Jeffrey Bewley, Christina Peterson-Wolfe, Stephen LeBlanc, Alan Fahey, Albert DeVries, Mike Overton, Miel Hostens, Juan M. Tricarico, Larry Miller, and Molly Kelley are working to make this another great Discover Conference.

The 30th Discover Conference on Creating an Enduring US Dairy Production Sector was held in November 2015. We had 79 registrants from 6 countries attend this conference. On a scale of 1 to 5, with 5 being excellent, average scores for the five sessions ranged from 3.77 to 4.25. We would like to thank Roger Cady, Ermias Kebreab, Mark Stephenson, Juan Tricarico, Neal Martin, André-Denis Wright, Becky Larson, Larry Miller, and Molly Kelley for pulling this conference together.

If you have any suggestions for future Discover Conferences, please submit your suggestion by visiting [http://www.adsa.org/Portals/0/SiteContent/docs/discover/DiscoverRFP.pdf](http://www.adsa.org/Portals/0/SiteContent/docs/discover/DiscoverRFP.pdf).

Finally, the ADSA Foundation would like to thank the many people who are working to help the ADSA Foundation accomplish its mission. First, we thank the ADSA and FASS staff for the help they have given us in pulling together the 30th and 31st Discover Conferences as well the Large Dairy Herd Management Conference and e-book. Second, we thank the organizers of the 30th and 31st Discover Conferences for the time and effort they have put into organizing these conferences. Third, we thank Dave Beede and his team of section editors and chapter authors for their work on the Large Dairy Herd Management Conference and e-book. Finally, we thank the members of the dairy industry for their generous sponsorships of the Large Dairy Herd Management Conference and e-book as well as the Discover Conferences. Your generosity is greatly appreciated.

Mike Socha
ADSA Foundation Chair
S-PAC®—Your Gateway to a World of Dairy Information

As ADSA members we have access to two of the top sources of innovative dairy information in the world. One is the *Journal of Dairy Science*, the top-rated journal in its field, and the other is the *Searchable Proceeding of Animal Conferences* (S-PAC). If you have searched abstracts from the joint annual meeting, you have had a taste of what S-PAC can do, but have you checked the real power of this information tool? 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 need it.

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 portal to the wealth of valuable information available from these conferences. It benefits conferences by allowing a much broader audience than just conference attendees, or those who happen to find the conference proceedings, to use information provided at the conference. S-PAC’s reach extends around the globe because subscribers include dairy professionals from the United States and 35 other countries.

There are currently 548 proceedings from 58 different conferences available to subscribers. For several conferences, S-PAC is the only place the proceedings are available electronically. Some recent additions include the I-29 Moo U Dairy Beef Conference and the Vermont Dairy Producer Association meeting. A sampling of 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/](http://spac.adsa.org/) to check S-PAC out. There you will find a list of all conferences in the database, 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

*Continued on the next page*
Continued from page 15

the “Subscribe to S-PAC” page and follow the links (that will take you through the 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, please contact Ken Olson at keolson@prodigy.net or Peter Studney at peters@adsa.org.

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?

Ken Olson, PhD, PAS

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S-PAC

Searchable Proceedings of Animal Conferences
ADSA Midwest Branch and ASAS Midwestern Section Report

The 49th annual meeting of the American Dairy Science Midwest Branch and the American Society of Animal Science Midwestern Section was held at the Iowa Events Center on March 14–16, 2016. The meeting attendance was over 1,100 participants. There were numerous symposia presented during the meetings, including the David Schingoethe Symposium on modifying milk composition to enhance marketability, David Baker Amino Acid Symposium, Gary Allee Symposium on the changing consumer and customer demands, and the Harlan Ritchie Beef Symposium. A total of 378 abstracts were accepted for the meetings.

Student involvement was an important part of the meetings, with 27 undergraduate students, 16 MS students, and 16 PhD students participating in the poster and oral competitions. In addition, talks were presented by the 8 Young Dairy Scholar and 9 Animal Science Young Scholar award recipients. The Academic Quadrathlon continued to be a featured event with student teams competing in a lab practical, oral presentation, written exam, and quiz bowl.

The new officers for the ADSA Midwest Branch are Phil Cardoso—president; James Paulson—vice president; Jill Anderson—secretary; and Jeff De-Frain—director-at-large. Additional details about the Midwestern Section can be found at https://www.asas.org/membership-services/asas-sections/midwest-section.

Next year, the 2017 ADSA Midwest Branch and ASAS Midwestern Section meeting will be undergoing a major change because the meeting will be moving to Omaha, Nebraska. Be sure to mark your calendars to attend the meetings in Omaha next year on March 13–15, 2017.

Many thanks go out to the sponsors for the integral role they play in this meeting. Also, the numerous contributions from committee members, presenters, and other volunteers that helped to make the meeting a success were greatly appreciated.

One of the highlights of the meeting was honoring various award winners. Those receiving awards at the meeting this year including the following:

- **Outstanding Young Extension Specialist Award**
  Carl Dahlen, North Dakota State University

- **Outstanding Young Researcher Award**
  Ryan Dilger, University of Illinois

- **Outstanding Young Teacher Award**
  Barry Bradford, Kansas State University

- **Outstanding Early Career Agribusiness Award**
  Casey Neill, Pipestone Veterinary Services

- **Stahly/Peo Outstanding Swine Nutrition Graduate Student Award**
  J. Caroline Gonzalez-Vega, University of Illinois

- **National Pork Board Swine Innovation (Abstract) Awards**
  Education: Amy T. Desaulniers, University of Nebraska

- **Innovation in Dairy Research Award**
  Melanie K. Hayr, Iowa State University

- **Young Dairy Scholars**
  P. Adkins, University of Missouri
  K. Boesche, Purdue University
  A. Carpenter, Kansas State University
  C. Chapman, University of New Hampshire

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J. Martins, Michigan State University
W. Weich, South Dakota State University
Z. Zhou, University of Illinois

Animal Science Young Scholars
L. Amundson, University of Wisconsin
E. Arkfeld, University of Illinois
C. Bass, North Dakota State University
J. Colpoys, Truman State University
A. De Jong, Kansas State University
J. Flohr, Kansas State University
J. González-Vega, University of Illinois
J. McCann, Texas A&M University
K. Sargent, University of Nebraska

Undergraduate Oral Competition I
1st place—C. M. Zarek, US Meat Animal Research Center
2nd place—K. A. Pearl, University of Missouri
3rd place—L. K. Quail, South Dakota State University

Undergraduate Oral Competition II
1st place—C. M. Vier, Kansas State University
2nd place—C. L. Mogck, South Dakota State University
3rd place—T. L. Ellig, North Dakota State University

Graduate MS Oral Competition
1st place—A. B. Clark, Kansas State University
2nd Place—L. A. Bachmeier, North Dakota State University
3rd Place—P. Park, University of Guelph

Graduate PhD Oral Competition
1st place—W. D. Stuart, Texas Tech University
2nd place—E. K. Arkfeld, University of Illinois
3rd place—J. R. Dunkelberger, Iowa State University

Undergraduate Poster Competition I
1st place—K. M. Jones, Lincoln University
2nd place—A. Egloff, Purdue University
3rd place—K. A. Shade, USDA-ARS Livestock Behavior Research Unit, West Lafayette, IN

Undergraduate Poster Competition II
1st place—N. Gross, University of Wisconsin
2nd place—A. K. Reis, Iowa State University
3rd place—K. Robinson, University of Illinois

Graduate MS Poster Competition
1st place—L. L. Thomas, Kansas State University
2nd place—F. Ding, University of Minnesota
3rd place—H. L. Bartimus, University of Arkansas

Graduate PhD Poster Competition
1st place—J. T. Gebhardt, Kansas State University
2nd place—J. R. Russell, Iowa State University
3rd place—H. E. Larson, University of Minnesota

Tamilee Nennich
Past President, ADSA Midwest Branch
Northeast ADSA Section Branch Report

The Northeast ADSA/ASAS Section is working to enhance the opportunities for our members through webinars, graduate student competitions, and member networking events. We have started laying the groundwork for a webinar series of national speakers from government, academia, and industry, providing the latest in research, policy, regulation, and other current topics of interest to members. The first webinar should happen later this spring and cover risk analysis of potential animal feed hazards. These webinars will be available to be broadcast to groups at universities, companies, and other organizations and will involve local coordinators who will coordinate local watching groups. If you are interested in serving as a local coordinator, contact Kevin Harvatine, vice president of the Northeast Section, at kharvatine@psu.edu.

The section is also working on updating our other activities to match the needs of our graduate student members. We will again have our graduate student oral presentation competition at the annual meeting this summer, but we are in the process of outlining the future competitions. Those interested in helping to shape these competitions should contact Sarah Reed, secretary–treasurer of the Northeast Section, at sarah.reed@uconn.edu.

We also look forward to our other activities at the joint annual meeting this summer, where we will have the Northeast business meeting and awards ceremony as well as an opportunity to network with other members from the section. I hope to see you all this summer at Northeast events during the joint annual meeting and in 2017 as both ADSA and ASAS have national meetings in the Northeast.

David Edwards
President, Northeast ADSA/ASAS Section
daveedwardsia@gmail.com
2016 Southern Branch Student Affiliate Division Meeting

Over 65 students from nine southeastern universities congregated in Athens, Georgia, February 25–27 for the 2016 Southern Branch ADSA Student Affiliate Division (SAD) meeting. Students from Berry College (Rome, GA), Clemson University, Louisiana State University, North Carolina State University, Virginia Tech, University of Florida, University of Kentucky, and West Virginia University all joined the hosting University of Georgia Dairy Science Club members for three days of competitions, farm tours, and fun.

Awards were presented to the following participants in the Undergraduate Paper Presentations:

**Dairy Production**
1. Courtney Curtis, Clemson University
2. Jenna Hardy, Virginia Tech
3. Katelyn Boudreaux, Louisiana State University

**Dairy Foods**
1. Casey Kenny, Louisiana State University
2. Jamie Madigen, North Carolina State University
3. Lauren Scott, Clemson University

**Original Research**
1. Kayla Alward, University of Georgia
2. Allison DiGennaro, University of Kentucky
3. Morgan Richard, Louisiana State University

**Outstanding Southern ADSA SAD Student**
Elizabeth Davis, Virginia Tech

Awards were also presented to the following chapters for the following:

**Dairy Quiz Bowl Contest Winner**
Virginia Tech

**Website**
1. University of Georgia
2. Virginia Tech
3. University of Kentucky

**Yearbook**
1. Virginia Tech

The elected 2016/2017 officers were as follows:

**President:** Nathan Webb, University of Georgia

**1st Vice President:** Aimee Sink, North Carolina State University

**2nd Vice President:** Megan Maxwell, West Virginia University

**3rd Vice President:** Lauren Scott, Clemson University

**Secretary–Treasurer:** Allison Sommers, Louisiana State University

**Officer-at-Large:** Nicki Hardy, Virginia Tech

Participants were privileged to tour three excellent Georgia dairies: Harmony Grove Dairy owned by the Coble family, Waynesboro, Georgia; Birdsville Dairy owned by Beryl Landis in Millan, Georgia; and Hillcrest Dairy, owned by the Rogers family in Dearing, Georgia.

Louisiana State University will be hosting the 2017 Southern ADSA SAD meeting.

**Southern Regional Dairy Challenge**

Fifty-one students from 11 universities across the southeast participated in the 9th Annual Southern...
Regional Dairy Challenge held in Abingdon, Virginia, November 16–18, 2015. Participating schools included Alabama A&M, Clemson University, North Carolina State University, North Carolina A&T, Tuskegee University, University of Florida, University of Georgia, University of Kentucky, University of Tennessee, Virginia Tech, and West Virginia University. Besides analyzing the host dairy, the students had a precontest tour of Countiss Dairy in Abingdon, Virginia. The 2016 Southern Regional Contest will be hosted by the University of Georgia.

Southern Branch Activities in Salt Lake City, Utah

During the July 2016 joint annual meeting, the Southern Branch of ADSA will hold its annual graduate student paper contest, symposium, and annual business meeting. The business meeting will include minutes and a financial report, announcing graduate student paper contest and Honor Award winners, Student Affiliate Division news, a Dairy Challenge update, resolutions and necrology reports, and officer election results.

The Honor Award is presented annually to a member of Southern ADSA for distinguished service to the dairy industry. Nominations for the 2016 Southern ADSA Honor Award should be sent to Bob Harmon (recipient of the 2015 Honor Award) at the University of Kentucky (rharmon@uky.edu).

In addition, the 2016 Southern ADSA Symposium will be held in Salt Lake City on Tuesday afternoon, July 19. Titled “Replacement Strategies for Managing Heifers in the Southeast,” the symposium will include the following topics: Economic trade-offs between replacement rates and improved genetics (Albert De Vries, University of Florida), Benefits of fly control on heifers for mastitis control at calving (Steve Nickerson, University of Georgia), Housing strategies and milk feeding systems of preweaned calves (Emily Miller-Cushon, University of Florida), The importance of developing replacement heifers that get pregnant and stay pregnant (Ky Pohler, University of Tennessee), and a panel of Christie Underwood (Land O’Lakes) and Kristie Daniels (Virginia Tech) on “Where should southeastern calf/heifer research go from here?”

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**2016 Joint Annual Meeting Registration Form**

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 ________________________________________  

Spouses and children are not required to register. To receive a name badge, please provide name(s) below: 
____________________________________________________________________________________________________________  
Emergency contact name and phone number: _______________________________________________________________________

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*Nonmember Students and Postdocs:* Become a member and save on meeting registration fees. Simply visit the society’s website (listed below) that you would like to join. Once you join as a member, you can then register online with the appropriate student member registration fee for the 2016 Joint Annual Meeting. Membership will be valid through December of the year in which you purchase the membership.

**Please note:** The 2-day option is single price and nonrefundable, and cannot be exchanged for another registration option.

If you would like to join ASAS, please visit www.asas.org  
If you would like to join ADSA, please visit www.adsa.org  
If you would like to join CSAS, please visit www.csas.net  
To register for ISAG, please visit www.asas.org/ISAG2016  
To register for GLNC, please visit www.asas.org/GLNC2016

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REGISTER ONLINE:  
www.asas.org/JAM2016
Future Meetings

**Large Dairy Herd Management Conference**
May 1–4, 2016
Hilton Oak Brook Hills Resort and Conference Center, Oak Brook, IL

**ADSA–ASAS Joint Annual Meeting**
July 19–23, 2016
Salt Lake City, UT

**31st Discover Conference**
Big Data Dairy Management
November 1–4, 2016
Hilton Oak Brook Hills Resort and Conference Center, Oak Brook, IL

**2017 ADSA Annual Meeting**
June 25–28, 2017
Pittsburgh, PA

**2018 ADSA Annual Meeting**
June 24–27, 2018
Knoxville, TN

**2019 ADSA Annual Meeting**
June 23–26, 2019
Cincinnati, OH