

**MINUTES OF THE AWARDS AND JOINT BUSINESS MEETING
MIDWESTERN SECTION ASAS
MIDWEST BRANCH ADSA
March 15, 2016**

Call to order: The meeting was called to order at 6:04 p.m. by Jason Apple, Midwest ASAS President.

Introductions: Jason Apple introduced the Midwest ASAS and Midwest ADSA board members, the ADSA and ASAS presidents, and the Executive Directors of ASAS and ADSA. National ASAS and ADSA officers, past Presidents of Midwest ASAS and ADSA, and ASAS staff were also acknowledged.

Minutes of the Awards and Business Meeting: Jason Apple, Midwest ASAS President, directed members to review copies of the minutes that were available on the tables. Kim Vonnahme moved and Don Orr seconded to accept the minutes as written. Motion passed.

Financial Report: Meghan Wulster-Radcliffe, ASAS CEO, provided an overview of the financial report. The end of 2015 balance was \$123,196. Greg Lardy moved and Gretchen Hill seconded to accept the financial report. Motion passed.

Sponsor Recognition: Jason Apple recognized the many sponsors of the Midwest meetings. The sponsors were asked to stand to be recognized by members.

Midwest Board Report: Tamilee Nennich, Midwest ADSA President, summarized changes to the meeting this year and announced move to Omaha in 2017.

Program Committee Chair Recognition: Tamilee Nennich, Midwest ADSA President, recognized Jon Schoonmaker for his service and hard work developing the scientific program for the meetings.

Jon Schoonmaker recognized the ASAS staff for all of their efforts organizing the meetings. The Midwest committee members were also recognized for their hard work and time.

Program Report: Jon Schoonmaker directed members to review the program report on the tables. Attendance remained strong this year. The current program is outstanding and there were many students in the competitions this year. Comments on the program were solicited for future years.

There were 378 abstracts accepted this year, 215 orals and 163 posters.

AWARDS:

Young Animal Scientist Extension Award (presented by Stacie Crowder, Purina Animal Nutrition LLC) – Carl Dahlen, North Dakota State University

Young Animal Scientist Research Award (presented by Jon Bergstrom, DSM Nutritional Products, Inc.) – Ryan Dilger, University of Illinois-Urbana-Champaign

Young Animal Scientist Teaching Award (presented by Jason Apple, Midwest ASAS President) – Barry Bradford, Kansas State University

Early Career Agribusiness Award (presented by Dave Golz, BASF) – Dr. Casey Neill, Pipestone Veterinary Services

Stahly/Peo Outstanding Swine Nutrition Midwest Graduate Student Award (presented by Greg Lardy, ASAS Foundation) – J. Caroline Gonzalez-Vega, University of Illinois- Urbana-Champaign

National Pork Board Awards for Innovation (presented by Chris Hostetler, National Pork Board)

Research:

“Utilizing feed sequencing to decrease the risk of porcine epidemic diarrhea virus (PEDV) cross-contamination during feed manufacturing”

Loni L. Schumacher¹, Roger A. Cochrane¹, J. C. Woodworth¹, Anne R. Huss¹, Charles R Stark¹, Cassandra K. Jones¹, Qi Chen², Rodger Main², Jianqiang Zhang², Phil C Gauger², Steve S. Dritz¹ and M. D. Tokach¹, (1) Kansas State University, Manhattan, KS, (2) Iowa State University, Ames, IA

“The feed enzyme xylanase improves finish pig viability and carcass feed efficiency”

C. E. Zier-Rush¹, C. Groom¹, M. Tillman¹, J. Remus² and R. D. Boyd¹, (1) The Hanor Company, Inc., Franklin, KY, (2) Danisco Animal Nutrition, Spicer, MN

Education:

“Evaluation of case-based reasoning to promote learning and swine industry interest in an undergraduate reproductive physiology course”

Amy T. Desaulniers, Renee M. McFee and Brett R. White, University of Nebraska-Lincoln, Lincoln, NE

Innovation in Dairy Research Award (presented by Tamilee Nennich, Midwest ADSA President)

“Performance of Genomic Prediction using Haplotypes in New Zealand Dairy Cattle”

Melanie K. Hayr¹, Tom Druet², Dorian J. Garrick³, (1)Iowa State University, Ames, IA, (2) University of Liège, Liège, Belgium, (3) Massey University, Palmerston North, New Zealand

Competitive Paper Awards:

Undergraduate Oral Competition I (presented by Paul Walker, Chair of the Undergraduate Competition Committee)

1st place - Abstract #406: Differential expression of genes in the liver associated with gain and intake in beef steers.

C. M. Zarek¹, A. K. Lindholm-Perry², and H. C. Freetly³, ¹U.S. Meat Animal Research Center, Clay Center, NE, ²USDA, ARS, US MARC, Clay Center, NE, ³USDA, ARS, U.S. Meat Animal Research Center, Clay Center, NE

2nd place - Abstract #402: Circulating blood urea nitrogen and glucose concentrations of neonatal beef calves during the first 72 hours.

K. A. Pearl^{*1}, J. M. Larson¹, and A. M. Meyer², ¹Division of Animal Sciences, University of Missouri, Columbia, ²University of Missouri, Columbia

3rd place – Abstract #401: Impact of initiating a fixed-time AI program on herd calving date and weaning weight.

L. K. Quail^{*1}, R. A. Cushman², and G. A. Perry³, ¹South Dakota State University, Brookings, SD, ²USDA, ARS, U.S. Meat Animal Research Center, Clay Center, NE, ³Department of Animal Science, South Dakota State University, Brookings

Undergraduate Oral Competition II (presented by Gretchen Hill, Chair of the Undergraduate Competition Committee)

1st place -Abstract #408: Determining the standardized ileal digestible lysine requirement of 6.8to 15.9 kg pigs.

C. M. Vier^{*}, I. B. De Souza, J. A. De Jong, M. A. D. Goncalves, A. M. Jones, R. D. Goodband, M. D. Tokach, J. M. DeRouchey, J. C. Woodworth, and S. S. Dritz, Kansas State University, Manhattan

2nd place - Abstract # 414: Influence of semen handling on post-thaw sperm motility.

C. L. Mogck^{*} and G. A. Perry, Department of Animal Science, South Dakota State University, Brookings

3rd place - Abstract #412: Concentrations of progesterone, estrogen, and insulin in serum during early pregnancy in crossbred Angus beef heifers Concentrations of progesterone, estrogen, and insulin in serum during early pregnancy in crossbred Angus beef heifers.

T. L. Ellig^{*1}, K. J. McLean¹, C. R. Dahlen^{1,2}, P. P. Borowicz^{1,2}, L. P. Reynolds^{1,2}, and J. S. Caton ^{1,2}, ¹North Dakota State University, Fargo, ²Center for Nutrition and Pregnancy, Fargo, ND

Graduate MS Oral Competition (presented by Mike Looper, Chair of the Graduate Competition Committee)

1st place – Abstract #97: Effects of standardized ileal digestible valine:lysine ratio on nursery pig performance.

A. B. Clark^{*1}, M. D. Tokach¹, S. S. Dritz¹, K. J. Touchette², M. A. D. Gonçalves¹, J. M. DeRouchey¹, R. D. Goodband¹, and J. C. Woodworth¹, ¹Kansas State University, Manhattan, ²Ajinomoto Heartland, Inc., Chicago, IL

2nd Place – Abstract # 99: 2015 National retail benchmarking study: Effect of enhancement on pork quality.

L. A. Bachmeier^{*1}, S. J. Moeller², C. Carr³, J. M. Young¹, X. Sun¹, J. H. Liu¹, S. B. Schauunaman¹, and D. J. Newman¹, ¹North Dakota State University, Fargo, ²The Ohio State University, Columbus, ³University of Florida, Gainesville

3rd Place – Abstract #101: In vitro investigations on the use of non-nutritive sorbent additives to sequester boar taint compounds.

P. Park^{*1}, I. B. Mandell¹, C. F. M. de Lange², and J. Squires¹, ¹Department of Animal and Poultry Science, University of Guelph, ON, Canada, ²University of Guelph, ON, Canada

Graduate Ph.D. Oral Competition (presented by Jim Sartin, Chair of the Graduate Competition Committee)

1st place - Abstract #110: Immune system stimulation (ISS) induced by E. coli lipopolysaccharide (LPS) alters amino acid metabolism in growing pigs.

W. D. Stuart¹, T. E. Burkey², N. K. Gabler, K. J. Schwartz³, D. Klein¹, J. A. Dawson¹, A. R. Pendleton⁴, C. F. M. de Lange⁵, and A. Rakhshandeh¹, ¹Texas Tech University, Lubbock, ²University of Nebraska-Lincoln, ³Iowa State University, Ames, ⁴Amarillo College, Amarillo, ⁵University of Guelph, ON, Canada

2nd place - Abstract #109: Impact of sex on composition and quality of fresh loins, bellies, and fresh and processed hams.

E. K. Arkfeld¹, D. A. Mohrhauser², D. A. King³, T. L. Wheeler³, A. C. Dilger¹, S. D. Shackelford³, and D. D. Boler¹, ¹University of Illinois at Urbana-Champaign, ²Smithfield Foods, Denison, IA, ³USDA, ARS, U.S. Meat Animal Research Center, Clay Center, NE

3rd place – Abstract #112: Genetic parameters and genomic regions associated with piglet response to vaccination for porcine reproductive and respiratory syndrome (PRRS) virus and co-infection with PRRS virus and porcine circovirus type 2b (PCV2b).

J. R. Dunkelberger¹, N. V. L. Serão^{1,2}, M. A. Kerrigan³, J. K. Lunney⁴, R. R. Rowland³, and J. C. M. Dekkers¹, ¹Iowa State University, Ames, ²North Carolina State University, Raleigh, ³Kansas State University, Manhattan, ⁴USDA, ARS, BARC, APDL, Beltsville, MD

Undergraduate Poster Competition I (presented by Tasia Taxis, Chair of the Undergraduate Competition Committee)

1st place - Abstract #419: Effects of diets containing psyllium seed husks on carcass composition, fatty acid profile, and cholesterol of rabbits.

K. M. Jones¹, B. C. Shanks¹, J. D. Caldwell², J. A. Apple³, B. R. Wiegand⁴, L. S. Wilbers¹, T. M. Johnson³, A. L. Bax¹, C. L. Thomas¹, K. L. Basinger^{1,3}, and J. W. S. Yancey³, ¹Department of Agriculture and Environmental Science, Lincoln University, Jefferson City, MO, ²Purina Animal Nutrition Center LLC, Gray Summit, MO, ³Department of Animal Science, University of Arkansas, Fayetteville, ⁴University of Missouri, Columbia

2nd place - Abstract #418: Corpus luteum blood flow correlation with circulating progesterone during the bovine estrous cycle.

A. Egloff^{*}, Purdue University, West Lafayette, IN

3rd place - Abstract #415: Characterizing body temperature and movement differences at the onset of estrus in replacement gilts.

K. A. Shade¹, K. R. Stewart², and J. S. Johnson¹, ¹USDA-ARS Live-stock Behavior Research Unit, West Lafayette, IN, ²Purdue University, West Lafayette, IN

Undergraduate Poster Competition II (presented by Tasia Taxis, Chair of the Undergraduate Competition Committee)

1st place - Abstract #421: Development of an imaging technique using clinical CT-scans to detect osteochondritic-like lesions in femoral growth plates of growing pigs.

N. Gross*, S. Oldenburg, J. Lawinger, M. Grez, and T. D. Crenshaw, University of Wisconsin-Madison

2nd place - Abstract # 422: Evaluation of perennial switchgrass as a replacement for cornstalks in high sulfur beef cattle diets.

A. K. Reis¹, R. Ostrem¹, K. J. Heiderscheit¹, O. N. Genther-Schroeder¹, C. A. Clark², D. D. Loy¹, and S. L. Hansen¹, ¹Iowa State University, Ames, ²Armstrong Memorial Research and Demonstration Farm, Iowa State University, Lewis

3rd place - Abstract #425: Effects of foliar fungicide application on the growing corn plant.

K. Robinson¹, C. Kalebich¹, G. M. Fellows², and F. C. Cardoso¹, ¹University of Illinois at Urbana-Champaign, ²BASF Corporation, Research Triangle Park, NC

Graduate M.S. Poster Competition (presented by Aimee Wertz-Lutz, Chair of the Graduate Competition Poster Committee)

1st place – Abstract #115: Effects of stocking density on finishing pig growth performance.

L. L. Thomas*, R. D. Goodband, M. D. Tokach, J. M. DeRouchey, J. C. Woodworth, and S. S. Dritz, Kansas State University, Manhattan

2nd place – Abstract #117: Effect of milk yield genotype on lipidomic profiles of multiparous Holstein cows during the first 9-weeks of lactation.

F. Ding¹, G. T. Cousillas², W. J. Weber², B. A. Crooker², and C. Chen¹, ¹Department of Food Science and Nutrition, University of Minnesota, St. Paul, ²Department of Animal Science, University of Minnesota, St. Paul

3rd place – Abstract #118: Mob grazing effects on cattle performance in Southeast Arkansas.

H. L. Bartimus^{1,2}, T. G. Montgomery³, D. Philipp¹, J. Cater³, K. P. Coffey¹, and B. C. Shanks², ¹University of Arkansas, Division of Agriculture, Fayetteville, AR, ²Lincoln University, Jefferson City, ³University of Arkansas-Monticello

Graduate Ph.D. Poster Competition (presented by Phil Miller, Chair of the Graduate Competition Poster Committee)

1st place - Abstract#126: Effects of grinding corn through a 2-, 3-, or 4-high roller mill on milling characteristics, and finishing pig growth performance and carcass characteristics.

J. T. Gebhardt¹, M. D. Tokach¹, J. C. Woodworth¹, J. M. DeRouchey¹, R. D. Goodband¹, K. F. Coble², C. R. Stark¹, C. K. Jones¹, and S. S. Dritz¹, ¹Kansas State University, Manhattan, ²New Fashion Pork, Jackson, MN

2nd place - Abstract #125: Influence of growing phase feed efficiency classification on finishing phase growth performance and carcass characteristics of beef steers fed different diet types.

J. R. Russell¹, E. L. Lundy¹, N. O. Minton², W. J. Sexten², M. Kerley², and S. L. Hansen¹, ¹Iowa State University, Ames, ²University of Missouri, Columbia

3rd place - Abstract #120: Characterization of nutrient content, yield, and gross return to

cattle feeding at three corn crop endpoints.

H. E. Larson¹, A. A. Hohertz, M. Lostetter², and A. DiCostanzo, ¹University of Minnesota, St. Paul, ²University of Minnesota Rosemount Research and Outreach Center, Rosemount

Recognition of Terry Klopfenstein Appreciation Club

The Terry Klopfenstein Appreciation Club was formed to recognize the contributions of Dr. Terry Klopfenstein to education, research and to the American Society of Animal Science. The Klopfenstein Student Excellence Scholarship Fund was established in his honor.

Earnings from the fund will be used to support the creation of the Klopfenstein Lectureship, which will be given annually at the Midwest ASAS meetings. The Klopfenstein Lectureship speaker will be selected from internationally recognized experts in beef cattle nutrition, forage utilization, co-product usage in beef cattle diets, and beef cattle production systems.

Young Dairy Scholars

Tamilee Nennich, Midwest ADSA President, acknowledged 7 Young Dairy Scholars recipients who received their awards Monday evening.

Animal Science Young Scholars

Jason Apple, Midwest ASAS President, acknowledged 9 Young Animal Scholars recipients who received their awards Monday evening.

Academic Quadrathlon Recognition: Jason Apple recognized Tim Safranski and thanked Iowa State and the various volunteers for their contributions. Tim Safranski, Quadrathlon Committee, gave an overview of the AQ competition and thanked the many volunteers. This year, 16 teams competed at the AQ. The Overall AQ Winner was Purdue University.

Report from National ADSA President: Lou Armentano, ADSA President Elect, reported on behalf of the National ADSA board. The Journal of Dairy Science continues to be a top-ranked journal, with 10,000 pages published in 2015. Total membership of the ADSA is over 4,000. Graduate programming is moving forward with a recent seminar series from ADSA retirees. Undergraduate programming is also strong with regional programs and the Dairy Challenge Program. S-PAC, an electronic database of conference proceedings continues to grow. Financially, ADSA is doing well. Last year, total net assets grew by approximately 10%.

Report from National ASAS President: Mike Looer, ASAS President, provided highlights of the National ASAS board. Membership is over 6,500, the highest in history. Important programs of ASAS were highlighted, including the ASAS Resource Center, The Animal Scientist database, the ASAS Learning Center. Graduate student programming is strong with an electronic journal club to be launched in the near future. International programming with sister institutions around the world is active. Communication efforts from the ASAS include the Taking Stock newsletter, ASAS Press Room, Living History Videos, and Graduate BULLETIN, along with numerous social media communications. The Journal of Animal Science continues to be a strong publication. Dr. Jim Sartin has taken over as the new editor-in-chief. Plans are in place to further decrease the time to publication for the journal. Future National ASAS meetings will be held in Salt Lake City, UT (2016), Baltimore, MD (2017), and Vancouver, BC (2018).

Additional Business: Jason Apple asked for any additional business. No additional business was brought forth.

Meeting Registration Drawing

Transfer of Gavel:

Tamilee Nennich transferred the gavel to Phil Cardoso, Midwest ADSA President for 2016-2017. Jason Apple transferred the gavel to Aimee Wertz-Lutz, Midwest ASAS President for 2016-2017.

Recognition of Retiring ASAS Board (Aimee Wertz-Lutz):

Alan Mathew was recognized as retiring Past-President of Midwest ASAS.
Tasia Taxis was recognized as the retiring Graduate Student Director of Midwest ASAS.

Introduction of Newly Elected ASAS Officers (Aimee Wertz-Lutz):

Gretchen Hill was recognized as the incoming Vice President of Midwest ASAS.
Michaela Trudeau was recognized as the incoming Graduate Student Director of Midwest ASAS.
Outgoing Midwest ASAS officers were thanked for their service.

Recognition of Retiring ADSA Board (Phil Cardoso):

David Carlson was recognized as retiring Past-President of Midwest ADSA.

Introduction of Newly Elected ADSA Officers (Phil Cardoso):

Jim Paulson was recognized as the incoming Vice President of Midwest ADSA.
Jill Anderson was recognized as the incoming Secretary of the Midwest ADSA.
Outgoing Midwest ADSA officers were thanked for their service.

Motion to Adjourn (Phil Cardoso):

Kim Vonnahme moved and Joe Cassady seconded a motion to adjourn. Motion carried. The meeting was adjourned at 7:12 p.m.