Welcome to the Joint Meeting of ADSA-ASAS-PSA

Joseph O'Donnell  
ADSA President

Terry Etherton  
ASAS President

Tony Pescatore  
PSA President

We're pleased you've joined us here in St. Louis to see old friends, make new ones, and exchange information with other scientists. This second joint meeting of the American Dairy Science Association, the American Society of Animal Science, and the Poultry Science Association will provide the very best in professional networking and educational opportunities.

We have an outstanding program this year that has something for everyone, including premeeting sessions on dairy foods sensory evaluation, biosecurity, and digestive physiology and metabolic challenges. In his keynote address, Dr. Christopher Delgado, senior research fellow at the International Food Policy Research Institute, will discuss the important topic of global meat and dairy products. The program includes a number of very topical presentations on animal health and welfare, as well as symposia on reducing the environmental impact of animal production, reproductive management, and food safety.

Last year, ASAS and ADSA changed the poster presentations format so that they took place in the morning, before symposia and oral sessions started, to accommodate networking. This format will be used again this year, with poster sessions from 7:30 to 9:30 each morning to allow you the opportunity to review and discuss poster displays.

Award ceremonies have been staggered—with the ASAS ceremony on Monday, July 26, the ADSA ceremony on Tuesday, July 27, and the PSA awards banquet on Wednesday, July 28—to allow you to attend one or all three. An old-fashioned ice cream social open to all will be held Tuesday night after the ADSA award ceremony.

The agenda for this year’s meeting is a testament to the program organizers who have invested an enormous amount of time and effort in bringing distinguished scientists in animal agriculture and animal food products to one place. In addition to several invited speakers, this program represents 35 symposia and almost 2,000 presentations. Many thanks to the ADSA/ASAS/PSA program committees and staff of ADSA, PSA, ASAS, and FASS for their hard work. Our program committee, chair Larry Benyshek, John Carey, Joe Ford, and Chuck Schwab, along with FASS staff members Jennifer Gavel, Keely Roy, Lisa Sprinkle, and Kim Surles, did a fantastic job. A special thanks goes out to the executive directors of the three societies—Jerry Baker, Brenda Carlson, James Kessler, and Paula Schultz—for keeping everything headed in the right direction.

Thank you for participating in the ADSA-ASAS-PSA joint meeting and for making it a success.
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www.fass.org/ 2004

Important Message

In the event that protestors interrupt your meetings, please ignore them. Their goal is to attract attention. Any attention you give them will only help them. Please ignore them and continue your regular business. Convention staff has a plan in place to handle these situations, and they depend on your cooperation. If you are approached by the media for an interview, please politely refuse and direct them to the convention's media room where spokespersons are available. Keep your cool and walk the other way.

Thank you for your cooperation.

Survey of Meeting Attendees

The program committee has provided the meeting attendees an opportunity to help improve benefits to members and attendees. A survey will be available at the Cyber Cafe during the meeting. The survey should only take a few minutes to complete. When you use the Cyber Cafe to access the Internet or check emails, please take advantage of the opportunity to provide your input and complete the survey. Thank you!
General Meeting Information

Registration Hours

Registration will be located in Plaza Lobby North of the America's Center. Registration hours for the 2004 ADSA-ASAS-PSA Joint Meeting, including special symposia and other events, will be as follows:

Saturday, July 24 (pre-registered only) ............................................................... 10 am - 5 pm
Sunday, July 25 ................................................................................................... 7 am - 7 pm
Monday, July 26 ................................................................................................. 6:30 am - 4 pm
Tuesday, July 27 ................................................................................................. 6:30 am - 3:30 pm
Wednesday, July 28 ........................................................................................... 7 am - 3 pm
Thursday, July 29 ................................................................................................. 8 am - 10 am

Headquarter Hotels

Adam's Mark - ASAS HQ
Fourth St. & Chestnut, St. Louis, MO 63102
Phone: (314) 241-7400; Fax: (314) 241-9839

Holiday Inn Select - Student HQ
811 North 9th Street, St. Louis, MO 63101
Phone: (314) 421-4000; Fax: (314) 421-5974

Renaissance Grand Hotel - ADSA and PSA HQs
800 Washington Avenue, St. Louis, MO, 63101, USA
Phone: (314) 621-9600; Fax: (314) 621-9601

Publicity/Public Relations/Media Center

Room 116 will serve as the Publicity and Public Relations Center. Publicity and news releases will be issued from this location.

Business Center

There is a business center located in the Plaza Lobby of the America's Center. There is also a Kinko's located in the Renaissance Grand across the street from the America's Center.

Speaker Ready Room

The Speaker Ready Room is located on the first floor of the America's Center in Room 120. This room will be available from 7 am - 5 pm each day of the meeting and will be equipped with an LCD projector, screen, and computer for presentation preparation.

Hospitality Lounge

This area, located in the Convention Center, Room 120, offers meeting attendees a place to relax, get acquainted, or catch up with old friends. It's also a convenient place when making plans with someone to meet at a specific location. Information on St. Louis will be posted and/or available here.

Poster Presentations

We have dedicated a two-hour block each morning for poster presentations only. The "open posters" will be from 7:30 am – 9:30 am Monday, Tuesday, and Wednesday in the Convention Center, Exhibit Hall 5. Oral sessions will not begin until 9:30 am Monday and Tuesday, and 10:30 am on Wednesday.

Each poster presentation will be scheduled for public viewing for the entire day, with the presenting authors available during the "open posters" time (7:30 am – 9:30 am). All posters should be mounted on the board one-half hour prior to the beginning of the day's session (posters open at 7:30 am). The exhibit hall will open at 6:15 am on Monday, July 26 – Wednesday, July 28. Posters must be removed by 5 pm each day.
The poster board surface area is 48" high and 96" wide. The top of the poster space should include the abstract number, title, authors, and affiliations. The lettering for this section should be at least 1" high. **Presenters must furnish their own tacks or push pins.**

**Locating the Correct Poster Board**

Please look for the poster board number as noted in the program. Each poster board will have a number, which corresponds to the number in the program. Monday posters will have an “M”, Tuesday a “T”, and Wednesday a “W” preceding the board number.

**ARPAS Continuing Education Units**

The ADSA-ASAS-PSA Joint Annual Meeting has been approved for up to 28 continuing education units (CEUs) for the American Registry of Professional Animal Scientists certification requirements. Check the schedule of events for the times and location of the exams.

**Placement Center**

The Placement Center is located in Exhibit Hall 5. The job center announcements and resumes will be organized into the following categories for posting and distribution: Animal Health, Environment, and Behavior; Breeding and Genetics; Extension; Food Science; International Animal Agriculture; Growth and Development; Lactation; Meat Science and Muscle Biology; Nutrition; Nonruminant Nutrition; Pharmacology and Toxicology; Poultry; Production and Management; Reproduction; Reproductive Physiology; Ruminant Nutrition; Teaching

**Cyber Café and Internet Connections**

Let technology keep you caught up with work and in touch with friends and family during the ADSA-ASAS-PSA Annual Meeting. The Cyber Cafe, sponsored by Diamond V Mills and DSM Nutritional Products, Inc., is located in Exhibit Hall 5. America's Center also has a complimentary Internet Cafe located in the Plaza Lobby and Wireless Internet connections available in selected areas (Washington Lobby, Plaza Lobby, and Second Floor Atrium) at no charge to the general public.
Transportation

MetroLink

St. Louis’ light rail system, MetroLink, has been called one of the best mass transit systems in the country. The clean, efficient trains are a big hit with visitors and locals alike who want to see many of St. Louis' attractions without a car. The system – which begins at Lambert-St. Louis International Airport and covers 38 miles - ends in suburban Belleville, Illinois and stops at 28 Missouri and Illinois stations in between.

MetroLink’s trains pull into stations near many of St. Louis’ visitor attractions. These stations, listed in bold, are near the following attractions: Delmar/Loop - Loop neighborhood via buses 58, 91, 97, 60 or 16; Forest Park – Zoo, Art Museum, History Museum, Science Center; Central West End – Central West End neighborhood, restaurants, Cathedral Basilica of Saint Louis; Grand – Saint Louis University, Cupples House, Museum of Contemporary Religious Art, Grand Center entertainment district theaters, Pulitzer Foundation for the Arts, Contemporary Art Museum, via buses 57, 70, 92, 15 or 42; Union Station – Union Station festival marketplace, restaurants, entertainment, hotels; Civic Center - Savvis Center arena, City Hall, hotels; Stadium – Busch Stadium, St. Louis Cardinals Museum, Bowling Hall of Fame & Museum, hotels; 8th & Pine – Central downtown, restaurants, Kiener Plaza, Old Courthouse, hotels; Convention Center – America’s Center convention complex, Edward Jones Dome, hotels; Arch-Laclede's Landing – historic district, entertainment, President Casino, restaurants, Gateway Arch, riverboat cruises, hotels; East Riverfront – Casino Queen.

A one-way ride on MetroLink costs $1.25. Tickets may be purchased and validated at each station. Tickets from the airport station to downtown St. Louis cost $3. Day Passes for MetroLink and MetroBus are $4. Trains run every seven minutes during rush hours, every 10 minutes during non-rush hours and every 15 minutes in the evening during the week. A Free Ride Zone allows passengers to board at no charge from Union Station to Arch-Laclede’s Landing and all stations in between, Monday through Friday, from 11:30 a.m. until 1:30 p.m. For schedule information, dial (314) 231-2345. TTY: (314) 982-1555.

MetroLink Shuttles

Three shuttle services take visitors from MetroLink stations to even more attractions. From the Forest Park Station, the #90 Hampton bus serves the Forest Park attractions. The Garden Express shuttle runs on weekdays only between the Central West End Station, the Missouri Botanical Garden and Tower Grove Park. The #58 Clayton-Ballas bus leaves from the Forest Park Station for Washington University, the Clayton neighborhood and the Galleria shopping mall. A one-way adult fare costs $1.25.

MetroBus and Greyhound

The Bi-State system – called MetroBus (314) 231-2345 – serves most areas of St. Louis and St. Louis County. Call the Transit Information Center, Monday through Friday, or visit the MetroRide store in the Visitor Information Center at Seventh and Washington in downtown St. Louis from 8:30 a.m.-5:00 p.m. Buses generally run from 4:00 a.m. until 2:00 a.m. The fare is $1.25. Greyhound Bus Lines (314) 231-4485 or (800) 231-2222 operates service to and from the St. Louis station at 1450 N. 13th Street.

St. Louis by Car

An easy-to-use network of interstate highways runs through St. Louis making it a short drive to attractions. From the east, I-70, I-64 and I-55 head west across the Poplar Street Bridge and into downtown St. Louis. I-70 swings through downtown, past the airport and west through Missouri. I-55 turns south past the Anheuser-Busch brewery and continues through southeastern Missouri. I-64, which the locals call Highway 40, continues west through St. Louis, past Forest Park and to the Missouri River. I-44 begins in St. Louis and runs southwest along the former path of Route 66 to Springfield, Missouri.

Vans, Taxis & Limousines

Trans Express Transportation (314) 428-7799 or (800) 844-1985 provides van service from Lambert-St. Louis International Airport to downtown hotels for $13 one-way and $21 round-trip. Other area hotels are also served.

Taxi companies maintain stands at the America’s Center convention complex, at the Airport and at major hotels throughout St. Louis. Taxi drivers are uniformed and their vehicles must meet strict standards enforced by the St. Louis Metropolitan Taxicab Commission. Eleven limo services, offering everything from town cars to super-stretch vehicles, also operate in St. Louis.
Dairy Foods Workshop  
Saturday, July 24, 1:30 pm - 6 pm  
and Sunday, July 25, 8:45 am - 1 pm  
Convention Center, Room 225

Dairy Product Evaluation: Traditional and Descriptive Techniques is an 2004 ADSA Pre-Meeting Workshop intended for graduate and undergraduate students and others using sensory techniques in their dairy research, as well as those with a general interest in the sensory evaluation of dairy products. The first part of the workshop reviews traditional techniques used in USDA grading of dairy products, and focuses on the judging of Cheddar cheese and ice cream through lectures and practical training sessions. The second part of the workshop covers descriptive analysis, data interpretation and reporting techniques used in dairy research, and includes a practical training session using descriptive techniques for Cheddar cheese. This workshop brings together the expertise of Mr. R. Aschebrock, Dr. R.L. Bradley, Dr. R.T. Marshall and Dr. M.A. Drake for a comprehensive view of the sensory evaluation of dairy products. To facilitate travel to and attendance at the 2004 ADSA Annual Meeting, the workshop will be held from 1:30 pm to 6:00 pm on Saturday July 24 and from 8:45 am to 12:30 pm on Sunday July 25, 2004.

Opening Session  
Sunday, July 25  
7 pm - 8:30 pm  
Convention Center, Rooms 220-229

“A Brave New World for Global Meat and Dairy: The Rise of the Developing Countries.” In September 2003, Christopher Delgado was appointed the founding Director of the Joint International Livestock Research Institute (ILRI)-International Food Policy Research Institute (IFPRI) Program on Livestock Market Opportunities. ILRI, based in Nairobi, Kenya, and IFPRI, based in Washington, D.C., are international agricultural research centers funded by the Consultative Group on International Agricultural Research (CGIAR), whose secretariat is headquartered in the World Bank. The Joint ILRI-IFPRI Program on Livestock Market Opportunities conducts collaborative research in a large number of developing countries, seeking market-oriented ways to increase the vital contribution of livestock to improved human welfare. Chris continues his twenty-five year affiliation with the Markets, Trade and Institutions Division of IFPRI, where he is also a Senior Research Fellow. In recent years, his work has focused on the growing markets in developing countries for livestock and fisheries products. Author or editor of five books and over one hundred articles in professional journals, he has taught or conducted research at the Center for Development Studies and Education in Chad, the University of Ouagadougou in Burkina Faso, the University of Michigan, the University of Puerto Rico, and the Johns Hopkins School of Advanced International Studies in Washington, D.C. Dr. Delgado received his Ph.D. in Economics from Cornell University and his undergraduate degree in Economics and Philosophy from Tufts University.

Opening Reception  
Sunday, July 25  
8:30 pm - 10 pm  
Convention Center, Ballroom Foyer

End the evening on a sweet note by joining us in the Ballroom Foyer after the Opening Session for socializing with colleagues and friends over a delicious dessert buffet.

ASAS Awards Program  
Monday, July 26  
7 pm - 8:30 pm  
Adam’s Mark, St. Louis DE

All meeting participants, families, and friends are welcome to attend the 2004 ASAS Awards Program. Please join us at this special event congratulating the 2004 ASAS award winners at the Adam’s Mark on Monday, July 26.
Graduate Student Mixer  
Monday, July 26  
9 pm - 12 am  
Trainwreck on the Landing

Join your fellow graduate students from ASAS, ADSA, and PSA at a mixer at Trainwreck on the Landing. The mixer will be held on Monday, July 26 from 9 pm - midnight. Trainwreck (www.trainwrecksaloon.com) is an old-time saloon with a restaurant and sports theme. A 2nd story nightclub with high tech lights and music for 350 people wanting to dance the night away is also available. It is located in Laclede's Landing not far from the Convention Center and meeting hotels. This private party for graduate students will include refreshments served up in this establishment that used to be a mid-nineteenth century five-story warehouse, originally occupied by the Buck Stove Company. Come enjoy an event to meet and socialize with other graduate students.

Undergraduate Student Mixer  
Monday, July 26  
8:30 pm - 12:30 am  
Holiday Inn Select

Come ready to rock on Monday, July 26 from 8:30 pm – 12:30 am at the SAD Dance. Plan now to be a part of this great night of dancing, refreshments and fun. This event is open to all meeting attendees, including students, advisors and anyone else looking for a fun evening.

5K Fun Run  
Tuesday, July 27  
6:30 am  
Meet at America’s Center

Join in the fun on Tuesday, July 27 at 6:30 am. Runners will leave from the Washington Street entrance of the America’s Center. The scenic route will head to the Riverfront and go south to the Poplar Street Bridge and circle back to America’s Center offering the runners a great view of the river and St. Louis Arch. Refreshments will be available at America’s Center.

Spouses Luncheon  
Tuesday, July 27  
12 pm - 2 pm  
Laclede’s Landing

Gateway Arch Riverboats welcomes you aboard a cruise on the Mississippi. The Tom Sawyer riverboat is a replica of their 19th century predecessors; they have all the traditional steamboat charm, plus all the conveniences that modern vessels can offer. The Tom Sawyer vessel is located on the St. Louis Levee below the Gateway Arch. The Spouses lunch cruise is scheduled for Tuesday, July 27; boarding 12 pm; departing 12:30 pm; 1½ hour cruise with lunch. Take a trip back in time with the Captain’s historic narration of St. Louis and learn of an era gone by.

ADSA Awards Program  
Tuesday, July 27  
7 pm - 8 pm  
Renaissance, Majestic A-D

All meeting participants, families, and friends are welcome to attend the 2004 ADSA Awards Program. Please join us at this special event in congratulating all of our award winners on Tuesday, July 27 at the Renaissance.

2004 ADSA-ASAS-PSA Ice Cream Social  
Tuesday, July 27  
8:30 pm - 9:30 pm  
Renaissance, Majestic A-D

The ADSA-ASAS-PSA Ice Cream Social will be held from 8:30 pm - 9:30 pm at the Renaissance. All meeting participants, families, friends, and award donors are invited to join us for the joint Ice Cream Social.
ADSA Foundation Auction & Raffle
Tuesday, July 27
8:30 pm - 9:30 pm
Renaissance, Majestic A-D

Also while enjoying your ice cream, take one more look at the silent auction items and place your last bid. The 2004 auction promises to be more exciting than ever, with more opportunity to get your hands on some fantastic items while catching up with old friends and making new acquaintances. More than 40 items have been donated to this year’s event. Items include an array of milk bottles, framed art, dairy collectibles and much more.

Golf Tournament
Wednesday, July 28
12:30 pm
America’s Center Lobby

The 2004 Golf Scramble is to take place at Far Oaks Golf Club in St. Louis on Wednesday, July 28 with a tee time of 1 pm. The bus will depart from the America’s Center lobby at 12:30 pm.

PSA Awards Banquet
Wednesday, July 28
6 pm - 9:30 pm
Convention Center, Room 225/226

All meeting participants, families, and friends are welcome to attend the 2004 PSA Awards Banquet. Please join us at this special event in congratulating all of our award winners on Wednesday, July 28 at the America’s Center Ballroom 223-224.
ADSA-ASAS-PSA Award Donors

**ADSA**

- Alltech, Inc.
- ABS Global, Inc.
- ADSA Foundation
- American Dairy Science Association
- American Feed Industry Association
- Cargill Animal Nutrition
- DeLaval Inc.
- DSM Food Specialties USA, Inc.
- Elanco Animal Health
- International Association of Food Industry Suppliers
- International Dairy Foods Association
- Kraft Foods
- Land O’Lakes, Inc.
- Land O’Lakes Farmland Feed/Purina
- Marschall Rhodia, Inc.
- Merial
- National Milk Producers Federation
- Nutrition Professionals, Inc.
- Pfizer Animal Health
- Pioneer Hi-Bred International, Inc.
- West Agro, Inc.

**ASAS**

- ABS Global, Inc.
- American Feed Industry Association
- American Society of Animal Science
- Bouffault Award Fund
- DSM Nutritional Products, Inc.
- Elanco Animal Health
- Land O’Lakes/Purina
- Merial
- Monsanto Company
- Morrison Award Fund
- Omega Protein Corporation
- Pfizer Animal Health
- The Iams Company

**PSA**

- Alltech
- American Egg Board
- American Feed Industry Association
- American Poultry Historical Society
- Hy-Line International
- Land O’Lakes/Purina
- Merck
- National Chicken Council
- National Turkey Federation
- Nicholas Turkey Breeder Farms
- Phibro
- Texture Technologies Corp.
- United Egg Products

Thank you for your support!
St. Louis Information

St. Louis is known around the world for its collection of fascinating attractions, great restaurants and exciting blues music and nightlife. But what was here on the banks of the Mississippi River before the modern, lively city you see today? Clues are all around in our museums, our architecture and our cosmopolitan outlook on life.

St. Louis was French and Spanish before it was American. And before the European explorers traveled down the great river, this rich land was home to the Mississipians, a mighty Indian civilization of mound builders where more than 20,000 people lived in the fertile river valley. When that culture disappeared during Europe's Middle Ages, only their huge, mysterious earthen structures were left, earning St. Louis its earliest nickname, “Mound City.”

In 1764, French fur traders from New Orleans founded a city named for Louis IX, the Crusader King of France. St. Louis was built in Spanish territory on a high bluff just 18 miles south of the confluence of the Mississippi and Missouri rivers - a perfect site from which to trade with Native Americans in the fur-rich lands to the west. France regained rights to St. Louis and the west again in 1800, but Napoleon sold the Louisiana Territory to President Thomas Jefferson in 1803 without taking possession. Overnight the size of the United States had doubled.

When Jefferson sent explorers Lewis & Clark from St. Louis to chart the new Louisiana Territory in 1804, more than 1,000 people, mostly French, Spanish, Indian and both free and slave blacks, lived in the city which already was the center of the fur trade in America. Two years later, after the triumphant explorers returned from the Pacific with their Corps of Discovery, St. Louis became the last stop for mountain men and trappers heading to the newly opened frontier. St. Louis' booming fur trade lasted until 1840, but the westward movement of Americans through St. Louis - “the gateway to the west” - was to last for many more years. For decades, entrepreneurs would make fortunes in St. Louis by selling goods to pioneers and adventurers who gathered their supplies and headed west for land, gold and glory.

25 Things To Do in St. Louis

There's so much to see and do in St. Louis, here are just 25 of the hundreds of ways you can explore St. Louis for yourself:

2. Attend one of St. Louis' fascinating ethnic festivals.
3. Explore the free attractions in Forest Park: the Zoo, Art Museum, Science Center and History Museum.
4. Visit St. Louis' historic neighborhoods for dining, shopping and mingling with the locals.
5. Meet Lady Luck on one of our glittering riverboat casinos.
6. Stroll through an authentic Japanese Garden or a tropical rain forest at the Missouri Botanical Garden.
7. Cheer for the Cardinals, Rams, Blues and other teams in North America's Best Sports City.
8. Board a space station at the Science Center's new Space Sciences Center.
9. Thrill yourself on the world-class rollercoasters at Six Flags St. Louis.
10. Mangia bene! Eat well on The Hill, St. Louis' Italian neighborhood.
11. Play Scott Joplin's ragtime tunes at the composer's restored historic home.
12. Talk to the animals at Grant's Farm and Purina Farms.
13. Follow the 1804 adventures of explorers Lewis & Clark at museums, historic sites and the confluence of the Mississippi and Missouri rivers.
14. Cruise the mighty Mississippi on a paddlewheel riverboat.
15. Find out how good feeling bad can be when you visit St. Louis' blues music clubs.
16. Follow Old Route 66 as the "Mother Road" winds through St. Louis.
17. Ride to the top of the Gateway Arch for a 30-mile bird's eye view of St. Louis.
18. Free your inner child at the Magic House, City Museum and other kid-friendly attractions.
19. Discover the past at the Old Courthouse and The Black World History Museum.
20. Dine in style in a city Gourmet magazine calls a "spirited and flavorful place."
21. Hit the road at Gateway International Raceway or the Museum of Transportation.
22. Count the mosaics at the beautiful Cathedral Basilica of St. Louis.
24. Taste the good life on a day trip to Missouri Wine Country.
25. Float through the Butterfly House & Education Center or the Butterfly Dome at the Zoo.
St. Louis Tour Options

With the abundance of things to do in St. Louis, there will be no formal tours offered during the 2004 ADSA-ASAS-PSA Annual Meeting. Listed below are some exciting tour options for you to consider while in St. Louis.

Gateway Arch
www.gatewayarch.com

Every year millions of visitors head for the Arch with one goal in mind: a journey to the top. This is where you'll get a stunning glimpse of the St. Louis region from a dizzying height of 630 feet. But how do you get to the top? You take a tram ride from the south or north leg of the Arch.

On your way to the top using the south leg, you'll return to an era in the 1800s when the St. Louis riverfront was bustling with steamboats, fur traders, and merchants. On your way to the top using the north leg, you'll be transported back to 1965 when construction workers wedged the last triangular Arch section into place.

Open 7 days a week 8 am – 10 pm. Adults - $8; Children 13-16 - $5; Children 3-12 - $3

Gateway Riverboat Cruises
www.gatewayarchriverboats.com; (877) 982-1410

Step aboard a one-hour narrated cruise and your Captain will transport you back in time when steamboats ruled the river. Frequent departures daily from the levee below the Gateway Arch at 10:30, Noon, 1:30, 3:00, 4:30. Fares: $10.00 adults; $4.00 children (3 to 12 yrs); Infants are free

St. Louis Carriage Company

From the front door of the Adam’s Mark Hotel or The Old Spaghetti Factory, step into one of our fine carriages and discover the quiet elegance of horse-drawn transportation.

Your comfortable carriage offers you a charming view of historic Laclede's Landing and the cobblestone riverfront with its variety of boats and bridges, and of the magnificent Gateway Arch, symbol of America's westward expansion. See also the Basilica of St. Louis IX, the Old Courthouse (of Dred Scott fame), the beautifully restored Union Station, St. Louis Soldiers Memorial, Busch Stadium and many other landmarks and famous attractions.

Downtown Rides: 15 Min - $25.00; 1/2 Hour - $45.00; 1 hour - $80.00

Campbell House Museum
(314) 421-0325

The historic Campbell House Museum is one of the best-preserved 19th century buildings in St. Louis and is the last remaining vestige of the elegant neighborhood Lucas Place. From 1854 to 1938 the house was the home of prominent 19th Century entrepreneur Robert Campbell and his family. The museum opened in 1943 preserving not only the building, but the Campbell collection of original furniture, objects, light fixtures and more than 300,000 pages of family documents.

Campbell House is currently in the midst of a complete restoration using historic documents and photos from the Campbell family papers. Phase One was completed in 2001 at a cost of over $2 million. This stage of the restoration corrected structural problems, installed new mechanical systems and returned the building exterior to its 1880s appearance. Phase Two, the interior decoration, started in 2002. This phase will accurately recreate the Victorian interior of the Campbell House when it was one of the centers of St. Louis society.

A visit to the Campbell House in 2004 represents a once in a lifetime opportunity to see the historic restoration of the house in progress and the discoveries made along the way.

The museum is located at the corner of 15th and Locust streets in downtown St. Louis. Museum hours through December 2004 are Wednesday through Saturday from 10 am to 4 pm. and Sunday from 12 p.m. to 4 p.m. Admission is $4 per person, children 12 and under are free.
DeMenil Mansion & Museum
(314) 771-5828

The Chatillon-DeMenil Mansion, listed on the National Register of Historic Places, is one of only a handful of homes remaining that were built in the Greek Revival style in St Louis. The home, built in three sections with the oldest part dating from 1848, was originally built by Henri Chatillon, a native of the Carondelet area of St. Louis and a hunter and guide for the American Fur Company. Chatillon was immortalized in historian Francis Parkman Jr.’s 1849 bestseller “The Oregon Trail” after their adventures together in the New Frontier. The DeMenil family purchased the home in 1856 and made two additions, 1861-3 and 1875 that transformed the farmhouse into the mansion it is today.

The museum is open 10 am - 4 pm, Tuesday-Saturday. The last tour of the day starts at 3:00 pm. (Opened January by appointment only). Admission: $4, adults; $3, groups over 20 or AAA cardholders; $2 student groups over age 12; $1, children under 12.

Anheuser Busch Tours
www.budweisertours.com

Your tour through the historic 100-acre plant in St. Louis, Missouri, just 3 minutes from the Gateway Arch, will follow the journey of how we create our great beers. You will also have the opportunity to visit the Anheuser-Busch Clydesdale paddock and stable, the beechwood aging cellars, our historic Brew House, the Bevo packaging plant, and everyone’s favorite stop, the Hospitality Room. Check the web site to begin the journey of our great beers.

June-Aug: Mon-Sat, 9:00 am - 5:00 pm; Sun, 11:30 am - 5:00 pm

St. Louis Zoo
www.stlouiszoo.com

Free admission, several attractions have separate fees.; open 8 am – 7 pm, parking $8 with limited street parking for free.
St. Louis Art Museum
www.slam.org; (314) 721-0072

The Saint Louis Art Museum is situated in Forest Park, one of the largest urban parks in the United States, just west of downtown St. Louis.

The museum is open Tuesday – Sunday from 10 am – 5 pm and has free admission. Some temporary displays may have a charge.

Grant’s Farm
www.grantsfarm.com; (314) 843-1700

Grant’s Farm is a 281-acre wildlife preserve and historical site located just south of the city of St. Louis and operated by Anheuser Busch, Inc. The farm is home to hundreds of exotic animals from around the world.

The farm takes its name from our 18th president of the United States of America, Ulysses S. Grant. In the 1850’s, Ulysses S. Grant farmed a portion of the 281 acres. The land, which later became the ancestral home of the Busch Family, today is preserved as a living symbol of the family’s love for animals and Anheuser-Busch’s commitment to wildlife conservation and preservation.

The park is open Tuesday – Friday, 9 am – 3:30 pm. Admission is free with a $5 parking fee.

St. Louis Union Station
www.stlouisunionstation.com

St. Louis Union Station, once the largest and busiest passenger rail terminal in the world, is now one of America’s great marketplaces. Union Station first opened in 1894, but ceased operation as an active train terminal in 1978. Union Station reopened in August of 1985 as the largest adaptive re-use project in the United States.

Today, this 109-year-old National Historic Landmark of unmatched beauty and elegance has been dramatically restored and redeveloped as a dynamic mixed-use project that includes great shopping, delicious dining and fabulous entertainment.

St. Louis Union Station houses a 539 room Hyatt Regency Hotel, luxury offices, a lake, four active train tracks and a plaza for festivals, concerts and other special events. The century-old St. Louis Union Station boasts a unique and colorful history as well as a bright future. St. Louis Union Station is truly a shopper’s delight with over 90 shops and restaurants to choose from. An important part of the Station’s special appeal is the variety of unique retail shops, offering everything from fine fashions to one-of-a-kind gifts.

Missouri Botanical Gardens
www.mobot.org; (314) 577-9400

Open 9 am to 5 pm daily. Admission is $7 for ages 13-64. Narrated trams circle the grounds with stops at various locations, weather permitting, and visitors may reboard a later tram. Tram tickets are $3 per person (free for children 2 and under). Free public tours at 1 pm daily.
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Day Trips From St. Louis

Missouri Wine Country

Traveling west from St. Louis, day trippers will find themselves in the rolling, green hills of the Missouri River valley where immigrants from Germany's Rhine River planted vineyards, constructed wine cellars and created America's first wine district.

Along Highway 94, wineries perch on river bluffs overlooking the site where Daniel Boone once lived. To see the famous pioneer's home, stop in at Historic Boonesfield Village (www.geocities.com/Athens/Parthenon/7109), (636) 798-2005, near the town of Defiance. In Augusta, sit back and enjoy the view at the Mount Pleasant Winery (www.mountpleasant.com), (800) 467-WINE or (636) 482-WINE, located on top of a beautiful terrace high above the river valley.

Sample wines, listen to live music and nibble on snacks from the winery's bistro. Bikers and hikers will enjoy the area's KATY Trail (www.mostateparks.com/katytrail.htm), a former railroad right-of-way converted into a scenic path through the valley.

In the picturesque town of Hermann, Missouri's German heritage is celebrated with Old World enthusiasm. Visit the Stone Hill Winery (www.stonehillwinery.com), (573) 486-2120 or (800) 909-WINE, where visitors are welcome for tours, tastings, just-for-fun grape stomping, food and music throughout the year.

In the heart of Missouri Wine Country, the charming town of Washington offers restaurants, gift shops and galleries along the river where visitors can shop, dine and relax before heading back to St. Louis.

From St. Louis, take I-70 west to Hwy. 19 south into Hermann (70 miles). Travel back to St. Louis along scenic highways 94 or 100 which lead through the towns of Missouri's Wine Country. For more information, contact the Missouri Weinstrasse Association (888) 667-9463. For more information on Washington, MO, dial (888) 792-7466 or (636) 239-7575, or visit www.washmo.org.

Historic St. Charles

Located just 30 minutes west of downtown St. Louis, this charming community on the Missouri River was founded in 1769 and served as the state's first capital. Explore South Main Street where more than 100 shops, restaurants and cafes welcome visitors to the beautifully preserved historic district. The Frenchtown area, known for its antique shopping, has 58 historic buildings of French Colonial and German architecture. Visit the Lewis & Clark Center (www.lewisandclarkcenter.org) to learn more about the famous explorers or try your luck aboard the expanded Ameristar Casino (www.ameristar casinos.com). The First Missouri State Capitol (www.mostateparks.com/firstcapitol.htm) building and the Shrine of St. Philomene Duchesne also are open for tours.

For more information, contact the Greater St. Charles Convention & Visitors Bureau at (636) 946-7776 or (800) 366-2427 or visit www.historicstcharles.com. From St. Louis, take I-70 west to the Fifth Street exit.

Kimmswick

Located south on I-55 just 30 minutes from downtown St. Louis, the tiny river town of Kimmswick was founded in 1859 by German immigrants. Today the community is a living museum stocked with homemade crafts, antiques, historic architecture and simple charms. Browse through specialty shops and enjoy a leisurely lunch at one of the town's famous restaurants known throughout the region for hearty Midwestern cuisine and tempting baked goods. Shops are open year-round and are closed only on Mondays. For more information, contact the Historic Kimmswick Visitor Center at (636) 464-6464.
Exhibit Schedule
Exhibit Hall 5

Exhibit Hours
Monday, July 26  7:30 am - 5 pm
Tuesday, July 27  7:30 am - 5 pm
Wednesday, July 28  7:30 am - 5 pm

Exhibitor Setup
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Exhibitor Teardown
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AAALAC International
11300 Rockville Pike, Suite 1211
Rockville, MD 20852
Phone: (301) 231-5353; Fax: (301) 231-8282
Web Site: www.aaalac.org
Booth: 214
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Phone: (678) 339-1500; Fax: (678) 339-1600
Web Site: www.AdisseoNorthAmerica.com
Booth: 239

Ag Processing Inc. - Amino Plus
12700 West Dodge Road
Omaha, NE 68154
Phone: (402) 498-5559; Fax: (402) 496-6686
Web Site: www.amino-plus.com
Booth: 307

Alltech, Inc.
3031 Catnip Hill Pike
Nicholasville, KY 40356
Phone: (859) 885-9613; Fax: (859) 887-3256
Web Site: www.alltech.com
Booths: 313, 315, 317, 319, 412, 414, 416, 418

ALOKA
10 Fairfield Boulevard
Wallingford, CT 06492
Phone: (203) 269-5088; Fax: (203) 269-6075
Web Site: www.aloka.com
Booth: 308

Alpharma
One Executive Drive
Fort Lee, NJ 07024
Web Site: www.alpharma.com
Booth: 236

Alternative Design Manufacturing & Supply, Inc.
PO Box 6330, 3055 Cheri Whitlock Drive
Siloam Springs, AR 72761-6330
Phone: (479) 524-4343; Fax: (479) 524-4210
Web Site: www.altdesign.com
Booth: 109

American Dairy Science Association (ADSA)
1111 North Dunlap Avenue
Savoy, IL 61874
Phone: (217) 356-5146; Fax: (217) 398-4119
Web Site: www.adsa.org
Booth: 202

American Registry of Professional Animal Scientists (ARPAS)
1111 North Dunlap Avenue
Savoy, IL 61874
Phone: (217) 356-5390; Fax: (217) 398-4119
Web Site: www.arpas.org
Booth: 207

American Society of Animal Science (ASAS)
1111 North Dunlap Avenue
Savoy, IL 61874
Phone: (217) 356-9050; Fax: (217) 398-4119
Web Site: www.asas.org
Booth: 204

APC, Inc.
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Ankeny, IA 50021
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Web Site: www.functionalproteins.com
Booth: 334

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Phone: (609) 279-7685; Fax: (609) 497-7176
Web Site: www.ahdairy.com
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Fats & Proteins Research Foundation
16551 Old Colonial Road
Blooming, IL 61704
Phone: (309) 829-7744; Fax: (309) 829-5147
Web Site: www.fprf.org
Booth: 237

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FDA Center for Veterinary Medicine
7519 Standish Place
Rockville, MD 20855
Phone: (301) 827-3800; Fax: (301) 827-4065
Web Site: www.fda.gov/cvm
Booth: 316

Federation of Animal Science Societies (FASS)
1111 North Dunlap Avenue
Savoy, IL 61874
Phone: (217) 356-3182; Fax: (217) 398-4119
Web Site: www.fass.org
Booths: 208, 209

Feed Management Systems, Inc.
6120 Earle Brown Drive, Suite 300
Brooklyn Center, MN 55430
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Booth: 139

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Web Site: www.soymeal.org
Booth: 325

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5601 Sunnyside Avenue, MS 5144
Beltsville, MD 20705-5144
Phone: (301) 504-3271; Fax: (301) 504-1740
Web Site: www.ars.usda.gov
Booth: 127

USDA/Animal Welfare Information Center
10301 Baltimore Avenue, 4th Floor
Beltsville, MD 20705
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- Monsanto Agricultural Co.
- National By-Products, Inc.
- Performance Products, Inc.
- Pfizer Animal Health
- Pioneer Hi-Bred International, Inc.
- Prince Agri Products, Inc.
- Quali Tech
- Quest Int'l Bioproducts Group
- Rhodia, Inc.
- Ridley, Inc.
- West Central Soy
- Westfalia Surge Inc.
- Zinpro Corporation

#### ASAS
- Adisseo USA Inc.
- ADM Specialty Feed Ingredients
- Ajinomoto Heartland LLC
- Akey
- Babcock Genetics, Inc.
- Diamond V Mills, Inc.
- Fats & Proteins Research Foundation Inc.
- Global Pig Farms Inc.
- Hubbard Feeds Inc.
- IMC
- International Ingredient Corporation
- Intervet Inc.
- Kent Feeds Inc.
- Land O'Lakes/Purina
- Monsanto Company
- National By-Products, LLC
- National Pork Board
- Nutra-Flo Protein Products
- PCS Sales
- Pfizer Animal Health
- PIC
- Pioneer Hi-Bred Int'l, Inc.
- Prince Agri Products Inc.
- Zinpro Corporation

#### PSA ($500)
- Adisseo USA Inc.
- Akey
- ALPHARMA
- Aviagen
- Cargill Animal Nutrition
- Diamond V Mills, Inc.
- Foster Farms
- Hy-Line International
- Intervet, Inc.
- ISA Babcock
- Land O'Lakes/Purina
- Lohmann Tierzucht GmbH
- Maple Leaf Farms
- Nicholas Turkey Breeding Farms
- Shaver Poultry Breeding Farms Ltd.

Thank you for your support!
Imagine innovative agriculture that creates incredible things today.

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Schedule of Events

You may refer to the scientific program section in this program for detailed information for oral and poster presentations. Please note: all rooms and times are subject to change. Always be sure to check room signs and/or hotel marquees for any last minute room changes or cancellations.

Friday, July 23
3 pm – 5 pm ADSA New Board Orientation Renaissance, Hawthorne/Lucas
5:30 pm – 10 pm ADSA Board of Directors Meeting Renaissance, Hawthorne/Lucas

Saturday, July 24
8 am – 12 pm ADSA Board of Directors Meeting Adam’s Mark, St. Louis BC
8 am – 5 pm ASAS Board of Directors Meeting Renaissance, Portland
8 am – 5 pm PSA Board of Directors Meeting Renaissance, Portland
10 am – 5 pm Registration Open Convention Center, Plaza Lobby North
(pre-registered, badge & material pick up only)
1 pm – 3 pm ADSA-SAD Farm Tour Monsanto
1:30 pm – 6 pm Dairy Foods Workshop Convention Center, Room
7:30 pm – 9 pm ARPAS Executive Committee Meeting Adam’s Mark, Directors Row 46

Sunday, July 25
7 am – 7 pm Registration Open Convention Center, Plaza Lobby North
8 am – 10 am ADSA-ASAS-PSA Joint Board of Directors Meeting Renaissance, Landmark 1/2
8 am – 5 pm Triennial Growth Symposium Convention Center, Room 124
8 am – 5 pm Ancillary Scientist Symposium Convention Center, Room 132
8 am – 5 pm Informal Nutrition Conference Convention Center, Room 131
8 am – 5 pm Exhibit Set Up Convention Center, Exhibit Hall 5
8 am – 5 pm Hospitality Lounge Convention Center, Room 120
8 am – 5 pm ARPAS Governing Board Meeting Adam’s Mark, Directors Row 46
8:45 am – 1 pm Dairy Foods Workshop Convention Center, Room 225
10 am – 12 pm ADSA-ASAS Joint Board of Directors Meeting Renaissance, Landmark 1/2
10 am – 12 pm WPASA-USA Meeting Renaissance, Landmark 3
10:30 am – 5 pm PSA Board of Directors Meeting Convention Center, Room 230
11 am – 12 pm ADSA-ASAS Officers and Advisor Meeting Renaissance, Parkview/Aubert
12 pm – 1 pm PSA Ancillary Scientist Luncheon Convention Center, Room 130
12 pm – 1 pm ADSA-SAD Midday Mixer & Pizza Party Convention Center, Room 231/232
12 pm – 1 pm ADSA JDS Editors and Journal Management Committee Luncheon Convention Center, Room 240-241
1 pm – 5 pm ADSA Journal Management Committee Meeting Convention Center, Room 125/126
1 pm – 5 pm ADSA-SAD Quiz Bowl Seating/Preliminary Rounds Renaissance, Pershing/Lindell
2 pm – 3 pm ADSA Production Division Council Meeting Renaissance, Westmoreland/Kingsbury
2 pm – 3:30 pm ADSA Foundation Board of Trustees Meeting Convention Center, Room 130
2 pm – 3:30 pm ASAS Foundation Trustees Meeting Convention Center, Room 125/126
2 pm – 4 pm ADSA Committee on Evaluation of Dairy Products Convention Center, Room 123
3 pm – 4 pm ADSA Production Division Nominating Committee Convention Center, Room 127
3 pm – 4 pm ADSA Production Division Resolutions Committee Convention Center, Room 127
3 pm – 5 pm ADSA-ASAS-PSA 2004 Program Chairs & Vice Chairs Meeting Convention Center, Room 127
3 pm – 5 pm ADSA ASAS 2005 Program Chairs & Vice Chairs Meeting Convention Center, Room 127
3:30 pm – 5 pm ADSA-ASAS Joint Foundation Board of Trustees Meeting Convention Center, Room 127
5 pm – 6 pm ADSA Dairy Foods Division Council Meeting Convention Center, Room 127
6:30 pm – 7 pm ADSA-SAD Quiz Bowl Final Round Convention Center, Room 240
7 pm – 8:30 pm 2004 ADSA-ASAS-PSA Opening Session Convention Center, Rooms 220-229
8:30 pm – 10 pm 2004 ADSA-ASAS-PSA Opening Reception Convention Center, Rooms 220-229
### Monday, July 26

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 am – 8 am</td>
<td>ADSA Production Division Extension Breakfast</td>
<td>Renaissance, Portland/Benton</td>
</tr>
<tr>
<td>6:30 am – 8 am</td>
<td>ADSA Journal Editorial Board Breakfast/Meeting</td>
<td>Renaissance, Westmoreland/Kingsbury</td>
</tr>
<tr>
<td>6:30 am – 8 am</td>
<td>Michigan State University Breakfast</td>
<td>Renaissance, Parkview/Aubert</td>
</tr>
<tr>
<td>6:30 am – 4 pm</td>
<td>Registration Open</td>
<td>Convention Center, Plaza Lobby North</td>
</tr>
<tr>
<td>7:15 am – 8:15 am</td>
<td>ADSA-SAD Exhibit Set up</td>
<td>Convention Center, Exhibit Hall 5</td>
</tr>
<tr>
<td>7:30 am – 9:30 am</td>
<td>PSA Foundation Breakfast and Meeting</td>
<td>Convention Center, Room 123</td>
</tr>
<tr>
<td>7:30 am – 9:30 am</td>
<td>Poster Presentations</td>
<td>Convention Center, Exhibit Hall 5</td>
</tr>
<tr>
<td>7:30 am – 5 pm</td>
<td>Commercial Exhibits &amp; ADSA-SAD Exhibits Open</td>
<td>Convention Center, Exhibit Hall 5</td>
</tr>
<tr>
<td>7:30 am – 5 pm</td>
<td>Job Resource Center</td>
<td>Convention Center, Exhibit Hall 5</td>
</tr>
<tr>
<td>8 am – 5 pm</td>
<td>National Combined Extension Workshop</td>
<td>Convention Center, Room 222</td>
</tr>
<tr>
<td>8 am – 5 pm</td>
<td>Hospitality Lounge</td>
<td>Convention Center, Room 120</td>
</tr>
<tr>
<td>8:30 am – 9:15 am</td>
<td>ADSA-SAD Business Meeting</td>
<td>Convention Center, Room 230</td>
</tr>
<tr>
<td>8:30 am – 9:30 am</td>
<td>ADSA 2006 Centennial Publications Committee Meeting</td>
<td>Convention Center, Room 229</td>
</tr>
<tr>
<td>9:30 am – 10:30 am</td>
<td>ADSA-SAD Judging of Yearbooks, Scrapbooks, Annual Reports</td>
<td>Convention Center, Room 231</td>
</tr>
<tr>
<td>9:30 am – 10:30 am</td>
<td>ADSA-SAD Interviews for Outstanding Student and Advisor Awards</td>
<td>Convention Center, Room 232</td>
</tr>
<tr>
<td>9:30 am – 5 pm</td>
<td>Scientific Sessions</td>
<td>Convention Center</td>
</tr>
<tr>
<td>10 am – 11 am</td>
<td>Poultry Science Section Editors' Meeting</td>
<td>Renaissance, Portland</td>
</tr>
<tr>
<td>10 am – 12 pm</td>
<td>ARPAS Exam</td>
<td>Convention Center, Room 229</td>
</tr>
<tr>
<td>11 am – 12 pm</td>
<td>Poultry Science and JAPR Editors’ Luncheon</td>
<td>Renaissance, Portland</td>
</tr>
<tr>
<td>11 am – 12:15 pm</td>
<td>ADSA-SAD Undergraduate Paper Presentations</td>
<td>Convention Center, Room 230</td>
</tr>
<tr>
<td>11 am – 1 pm</td>
<td>ASAS Publications Committee Luncheon</td>
<td>Adam’s Mark, Directors Row 44</td>
</tr>
<tr>
<td>12 pm – 1 pm</td>
<td>JAPR Subject Editors’ Meeting</td>
<td>Convention Center, Room 228</td>
</tr>
<tr>
<td>12 pm – 1 pm</td>
<td>National Extension Workshop Luncheon</td>
<td>Convention Center, Room 123</td>
</tr>
<tr>
<td>12 pm – 1 pm</td>
<td>WPSA-USA Branch Luncheon</td>
<td>Convention Center, Room 228</td>
</tr>
<tr>
<td>12 pm – 2 pm</td>
<td>ADSA Past President’s Luncheon</td>
<td>Adam’s Mark, St. Louis B</td>
</tr>
<tr>
<td>12 pm – 2 pm</td>
<td>ADSA Past President’s Luncheon</td>
<td>Renaissance, Westmoreland/Kingsbury</td>
</tr>
<tr>
<td>1 pm – 5 pm</td>
<td>ADSA-SAD Undergraduate Paper Presentations</td>
<td>Convention Center, Room 230</td>
</tr>
<tr>
<td>2 pm – 3:30 pm</td>
<td>ADSA DISCOVER Conference Steering Committee Meeting</td>
<td>Convention Center, Room 123</td>
</tr>
<tr>
<td>5:15 pm – 6:30 pm</td>
<td>ADSA Town Hall Meeting</td>
<td>Convention Center, Room 228</td>
</tr>
<tr>
<td>5:30 pm – 7 pm</td>
<td>ASAS Award Winners Reception and Photo Session</td>
<td>Adam’s Mark, Rose Garden Room</td>
</tr>
<tr>
<td>7 pm – 8:30 pm</td>
<td>ASAS Awards Program</td>
<td>Adam’s Mark, St. Louis DE</td>
</tr>
<tr>
<td>8:30 pm – 11 pm</td>
<td>Iowa State Social</td>
<td>Adam’s Mark, St. Louis F</td>
</tr>
<tr>
<td>8:30 pm – 12:30 am</td>
<td>Undergraduate Student Dance/Mixer</td>
<td>Holiday Inn Select</td>
</tr>
<tr>
<td>9 pm – 12 am</td>
<td>ASAS/ADSA/PSA Graduate Student Mixer</td>
<td>Trainwreck on the Landing</td>
</tr>
</tbody>
</table>

### Tuesday, July 27

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 am</td>
<td>Fun Run</td>
<td>Off Site</td>
</tr>
<tr>
<td>6:30 am – 8 am</td>
<td>ADSA Dairy Foods Division Extension Breakfast</td>
<td>Renaissance, Benton</td>
</tr>
<tr>
<td>6:30 am – 8 am</td>
<td>University of Illinois Breakfast</td>
<td>Adam’s Mark, St. Louis A</td>
</tr>
<tr>
<td>6:30 am – 8 am</td>
<td>Kentucky Breakfast</td>
<td>Renaissance, Parkview/Aubert</td>
</tr>
<tr>
<td>6:30 am – 8 am</td>
<td>Penn State Breakfast</td>
<td>Adam’s Mark, St. Louis B</td>
</tr>
<tr>
<td>6:30 am – 8 am</td>
<td>Triennial Poultry Extension Workshop</td>
<td>Renaissance, Portland</td>
</tr>
<tr>
<td>6:30 am – 8:30 am</td>
<td>ASAS New Board Orientation Breakfast</td>
<td>Adam’s Mark, Directors Row 41</td>
</tr>
<tr>
<td>6:30 am – 3:30 pm</td>
<td>Registration Open</td>
<td>Convention Center, Plaza Lobby North</td>
</tr>
<tr>
<td>7:30 am – 9:30 am</td>
<td>Poster Presentations</td>
<td>Convention Center, Exhibit Hall 5</td>
</tr>
<tr>
<td>7:30 am – 5 pm</td>
<td>Commercial Exhibits &amp; ADSA-SAD Exhibits Open</td>
<td>Convention Center, Exhibit Hall 5</td>
</tr>
<tr>
<td>7:30 am – 5 pm</td>
<td>Job Resource Center</td>
<td>Convention Center, Exhibit Hall 5</td>
</tr>
<tr>
<td>8 am – 5 pm</td>
<td>Hospitality Lounge</td>
<td>Convention Center, Room 120</td>
</tr>
<tr>
<td>8:30 am – 10 am</td>
<td>ADSA-SAD Business Meeting – Election of Officers</td>
<td>Convention Center, Room 230</td>
</tr>
<tr>
<td>9:30 am – 5 pm</td>
<td>Scientific Sessions</td>
<td>Convention Center</td>
</tr>
<tr>
<td>10 am – 11:30 am</td>
<td>ADSA-SAD Student Careers Symposium: Leaders in Training</td>
<td>Convention Center, Room 230</td>
</tr>
<tr>
<td>11 am – 12 pm</td>
<td>ADSA Production Division Business Meeting</td>
<td>Convention Center, Room 224</td>
</tr>
<tr>
<td>11 am – 12 pm</td>
<td>ADSA Dairy Foods Division Business Meeting</td>
<td>Convention Center, Room 260</td>
</tr>
<tr>
<td>12 pm – 1 pm</td>
<td>ARPAS Business Meeting</td>
<td>Convention Center, Room 227</td>
</tr>
<tr>
<td>12 pm – 1 pm</td>
<td>National Poultry Waste Management Luncheon</td>
<td>Convention Center, Room 226</td>
</tr>
<tr>
<td>12 pm – 1 pm</td>
<td>PSA Graduate Student Luncheon</td>
<td>Convention Center, Room 225</td>
</tr>
<tr>
<td>12 pm – 1 pm</td>
<td>ADSA Dairy Foods Division Program Planning Lunch</td>
<td>Renaissance, Benton</td>
</tr>
<tr>
<td>12 pm – 1 pm</td>
<td>NE ASAS/ADSA Executive Committee Luncheon</td>
<td>Convention Center, Room 228</td>
</tr>
<tr>
<td>12 pm – 1:30 pm</td>
<td>ASAS Division/Associate Editors Luncheon</td>
<td>Adam’s Mark, Directors Row 44</td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td>Location</td>
</tr>
<tr>
<td>--------------</td>
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</tr>
<tr>
<td>12 pm – 2 pm</td>
<td>ADSA-SAD Awards Luncheon</td>
<td>Gateway Arch Riverboats</td>
</tr>
<tr>
<td>12 pm – 2 pm</td>
<td>2004 Spouses’ Luncheon</td>
<td>Convention Center, Room 274</td>
</tr>
<tr>
<td>1 pm – 2 pm</td>
<td>WPSA Lecture</td>
<td>Convention Center, Room 229</td>
</tr>
<tr>
<td>1 pm – 3 pm</td>
<td>ARPASExam</td>
<td>Convention Center, Room 124</td>
</tr>
<tr>
<td>1 pm – 5 pm</td>
<td>Southern Branch ADSA Symposium and Business Meeting</td>
<td>Convention Center, Room 231/232</td>
</tr>
<tr>
<td>2 pm – 3 pm</td>
<td>ADSA-SAD Award Photos</td>
<td>Convention Center, Room 230</td>
</tr>
<tr>
<td>2 pm – 3:30 pm</td>
<td>ADSA-SAD Committee Meeting – Old and New Officers &amp; Advisors</td>
<td>Convention Center, Room 274</td>
</tr>
<tr>
<td>2:15 pm – 4 pm</td>
<td>PSA Business Meeting</td>
<td>Convention Center, Room 123</td>
</tr>
<tr>
<td>3:30 pm – 5:30 pm</td>
<td>ASAS/JAS Forum (Division/Associate Editors and Authors)</td>
<td>Convention Center, Room 225</td>
</tr>
<tr>
<td>5 pm – 6:30 pm</td>
<td>ADSA Award Donor Dinner</td>
<td>Off Site</td>
</tr>
<tr>
<td>5 pm – 7 pm</td>
<td>Informal Calf Gathering</td>
<td>Renaissance, Majestic G</td>
</tr>
<tr>
<td>5 pm – 7 pm</td>
<td>Texas A&amp;M Poultry Science Reception</td>
<td>Off Site</td>
</tr>
<tr>
<td>6 pm – 9 pm</td>
<td>Korean Scientists and Students Dinner</td>
<td>Renaissance, Majestic A-D</td>
</tr>
<tr>
<td>7 pm – 8 pm</td>
<td>ADSA Awards Program</td>
<td>Renaissance, Majestic A-D</td>
</tr>
<tr>
<td>8:30 pm – 9:30 pm</td>
<td>2004 ADSA-ASAS-PSA Ice Cream Social</td>
<td>Renaissance, Majestic A-D</td>
</tr>
<tr>
<td>8:30 pm – 9:30 pm</td>
<td>ADSA Foundation Auction &amp; Raffle</td>
<td>Renaissance, Majestic A-D</td>
</tr>
</tbody>
</table>

**Wednesday, July 28**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 am – 8 am</td>
<td>Purdue Breakfast</td>
<td>Adam's Mark, St. Louis A</td>
</tr>
<tr>
<td>6:30 am – 8 am</td>
<td>National Organic Animal Production and Processing</td>
<td>Renaissance, Benton</td>
</tr>
<tr>
<td>7 am – 3 pm</td>
<td>Registration Open</td>
<td>Convention Center, Plaza Lobby North</td>
</tr>
<tr>
<td>7:30 am – 9:30 am</td>
<td>Poster Presentations</td>
<td>Convention Center, Exhibit Hall 5</td>
</tr>
<tr>
<td>7:30 am – 5 pm</td>
<td>Job Resource Center</td>
<td>Convention Center, Exhibit Hall 5</td>
</tr>
<tr>
<td>7:30 am – 5 pm</td>
<td>Commercial Exhibits &amp; ADSA SAD Exhibits Open</td>
<td>Convention Center, Room 120</td>
</tr>
<tr>
<td>8 am – 5 pm</td>
<td>Hospitality Lounge</td>
<td>Convention Center, Room 125/126</td>
</tr>
<tr>
<td>9:30 am – 10 am</td>
<td>Joint ADSA-ASAS Business Meeting</td>
<td>Convention Center, Room 124</td>
</tr>
<tr>
<td>9:30 am – 5 pm</td>
<td>Scientific Sessions</td>
<td>Convention Center, Room 127</td>
</tr>
<tr>
<td>10 am – 12:30 pm</td>
<td>ADSA Business Meeting</td>
<td>Adam's Mark, St. Louis BC</td>
</tr>
<tr>
<td>10 am – 12:30 pm</td>
<td>ASAS Business Meeting</td>
<td>Convention Center, Room 127</td>
</tr>
<tr>
<td>11 am – 1 pm</td>
<td>ASAS Board of Directors Meeting</td>
<td>Renaissance, Parkview/Aubert</td>
</tr>
<tr>
<td>11 am – 1 pm</td>
<td>ADSA Board of Directors Meeting</td>
<td>Convention Center, Room 123</td>
</tr>
<tr>
<td>11 am – 1 pm</td>
<td>NE ASAS/ADSA Business Meeting and Awards Luncheon</td>
<td>Renaissance, Lucas</td>
</tr>
<tr>
<td>11:30 am – 1 pm</td>
<td>ADSA DF Division Milk Proteins &amp; Enzyme Committee</td>
<td>Convention Center, Room 227</td>
</tr>
<tr>
<td>12 pm – 1 pm</td>
<td>APHS Luncheon</td>
<td>Adam's Mark, St. Louis A</td>
</tr>
<tr>
<td>12 pm – 1 pm</td>
<td>WPSA-Canada Business Meeting</td>
<td>Convention Center, Room 229</td>
</tr>
<tr>
<td>12 pm – 2 pm</td>
<td>Block &amp; Bridle Club Advisors Meeting</td>
<td>Far Oaks Golf Club</td>
</tr>
<tr>
<td>1 pm – 3 pm</td>
<td>ARPASExam</td>
<td>Convention Center, Room 123</td>
</tr>
<tr>
<td>1 pm – 5 pm</td>
<td>Golf Outing</td>
<td>Convention Center, Room 225/226</td>
</tr>
<tr>
<td>2:30 pm – 3:30 pm</td>
<td>2004 Retirees Social</td>
<td>Convention Center, Room 123</td>
</tr>
<tr>
<td>4:30 pm – 6 pm</td>
<td>2004 International/Closing Reception</td>
<td>Convention Center, Rooms 230-232</td>
</tr>
<tr>
<td>5 pm – 8 pm</td>
<td>Commercial Exhibits Dismantle</td>
<td>Convention Center, Exhibit Hall 5</td>
</tr>
<tr>
<td>6 pm – 9:30 pm</td>
<td>PSA Reception and Awards Banquet</td>
<td>Convention Center, Room 225/226</td>
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</table>

**Thursday, July 29**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am – 9:30 am</td>
<td>ADSA-ASAS-PSA Joint Executive Committee Breakfast</td>
<td>Adam's Mark, St. Louis BC</td>
</tr>
<tr>
<td>8 am – 10 am</td>
<td>Registration Open</td>
<td>Convention Center, Plaza Lobby North</td>
</tr>
<tr>
<td>8 am – 12 pm</td>
<td>Scientific Session</td>
<td>Convention Center</td>
</tr>
</tbody>
</table>
ADSA Student Affiliate Division
Schedule of Events

Saturday, July 24
11:00 pm – 2:00 pm SAD Tour
Monsanto
3:05 pm St. Louis Cardinals vs. San Francisco Giants
Busch Stadium

Sunday, July 25
8:00 am – 5:00 pm Student Dairy Clubs Set Up Exhibits
Convention Center, Exhibit Hall 5
11:00 am – 12:00 pm Advisor-Officer Meeting
Convention Center, Room 230
12:00 pm – 1:00 pm SAD Midday Mixer and Pizza Party
Convention Center, Room 231/232
1:00 pm – 5:00 pm Dairy Quiz Bowl Seating and Preliminary Rounds
Convention Center, Rooms 240 & 241
6:30 pm – 7:00 pm Quiz Bowl Final Round
Convention Center, Room 240
7:00 pm – 8:00 pm ADSA-ASAS-PSA Opening Session
Convention Center, Rooms 220-229
8:30 pm – 10:30 pm ADSA-ASAS-PSA Opening Reception
Convention Center, Ballroom Foyer

Monday, July 26
7:15 am – 8:15 am Student Dairy Clubs Set Up Exhibits
Convention Center, Exhibit Hall 5
8:30 am – 9:15 am Student Affiliate Division Business Meeting
Convention Center, Room 230
9:30 am – 10:30 am Student Affiliate Judging of Yearbooks,
Scrapbooks, Annual Reports
Convention Center, Room 231
9:30 am – 10:30 am Interviews for Outstanding Student and Advisor Awards
Convention Center, Room 232
9:30 am – 10:30 am Student Activities Symposium
Convention Center, Room 230
11:00 am – 12:15 pm SAD Undergraduate Paper Presentations
Convention Center, Room 230
1:00 pm – 5:00 pm SAD Undergraduate Paper Presentations
Convention Center, Room 230
8:30 pm – 12:30 am Undergraduate Student Mixer
Holiday Inn Express

Tuesday, July 27
8:30 am – 10:00 am Student Affiliate Division Business Meeting -
Election of Officers
Convention Center, Room 230
10:00 am – 11:15 am Student Careers Symposium: Leaders in Training
Convention Center, Room 230
12:00 pm – 2:00 pm Student Awards Luncheon
Convention Center, Room 231/232
2:00 pm – 3:00 pm SAD Pictures
Convention Center, Room 231/232
2:00 pm – 3:30 pm SAD Committee Meeting: Old & New Officers and Advisors
Convention Center, Room 230
2:00 pm – 5:00 pm Open to Attend Scientific Sessions
Convention Center
2:30 pm – 4:00 pm Tear-down SAD Exhibits
Convention Center, Exhibit Hall 5
7:00 pm – 10:00 pm ADSA Awards Ceremony, Ice Cream Social and Fun Auction
Renaissance, Majestic A-D

Wednesday, July 28
7:30 am – 5:00 pm Scientific Sessions and Exhibits
Convention Center

Thursday, July 29
8:00 am – 12:00 pm Scientific Sessions
Convention Center
Housing Map
Downtown St. Louis
America’s Center
Level 1 Floorplan
America’s Center
Level 2 Floorplan
Thank you to the 2004 ADSA-ASAS-PSA Joint Annual Meeting Sponsors!

PLATINUM
Elanco Animal Health
Pfizer Animal Health

GOLD
Alpharma Inc.
Diamond V Mills
Feedstuffs Newspaper
MetaFarms, Inc.
Monsanto Company
Nestle Purina PTC

SILVER
Arm & Hammer Animal Nutrition Group
DSM Nutritional Products, Inc.
European Association of Animal Production
Novus International, Inc.
PIC International Group
West Central Soy

BRONZE
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