

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

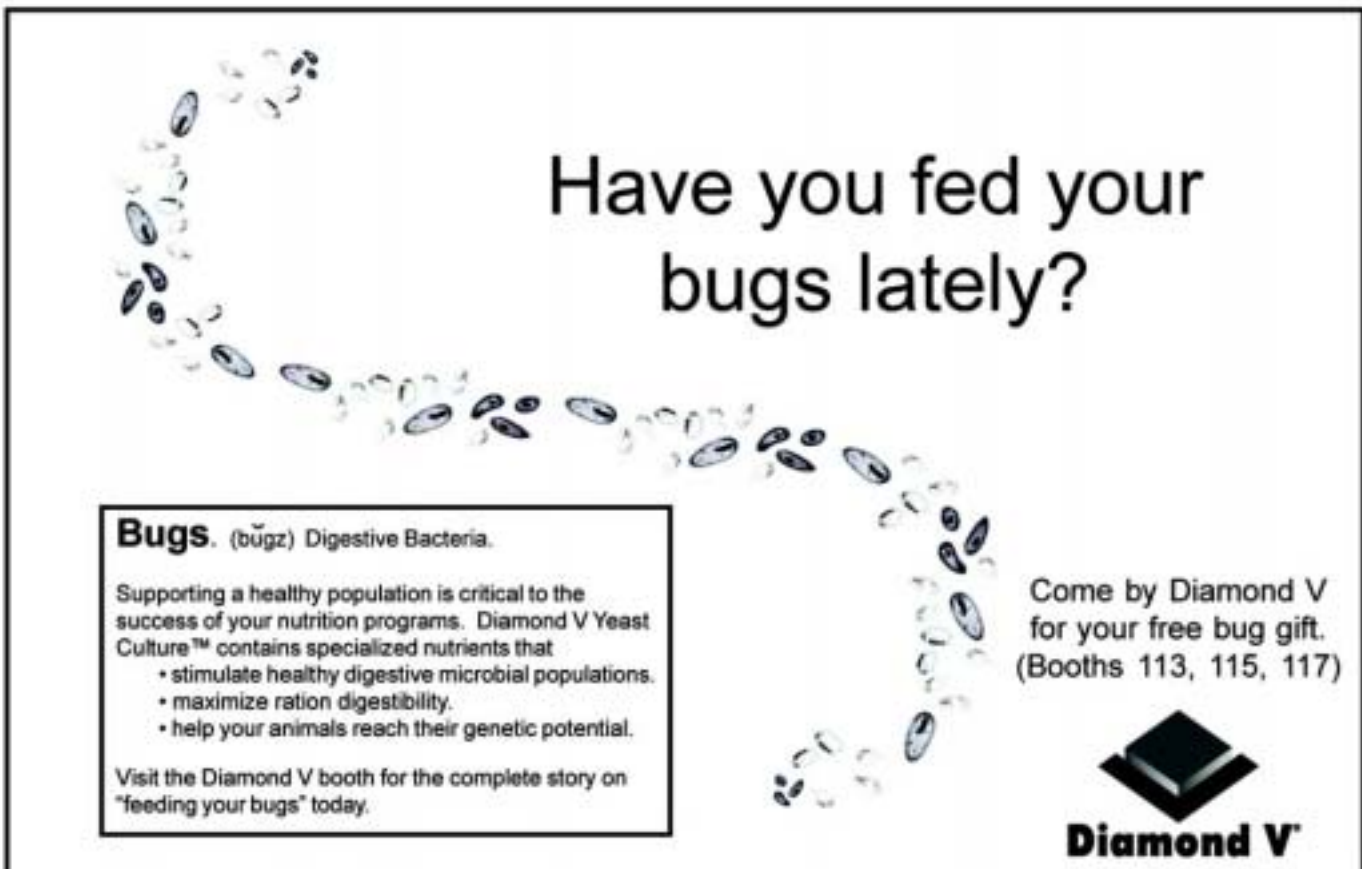
The ADSA-ASAS-PSA Joint Annual Meeting has been approved for up to 28 continuing education units (CEUs) for the American Registry of Professional Animal Scientists certification requirements. Check the schedule of events for the times and location of the exams.

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.



Have you fed your bugs lately?

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Diamond V

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.

Special Events

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.

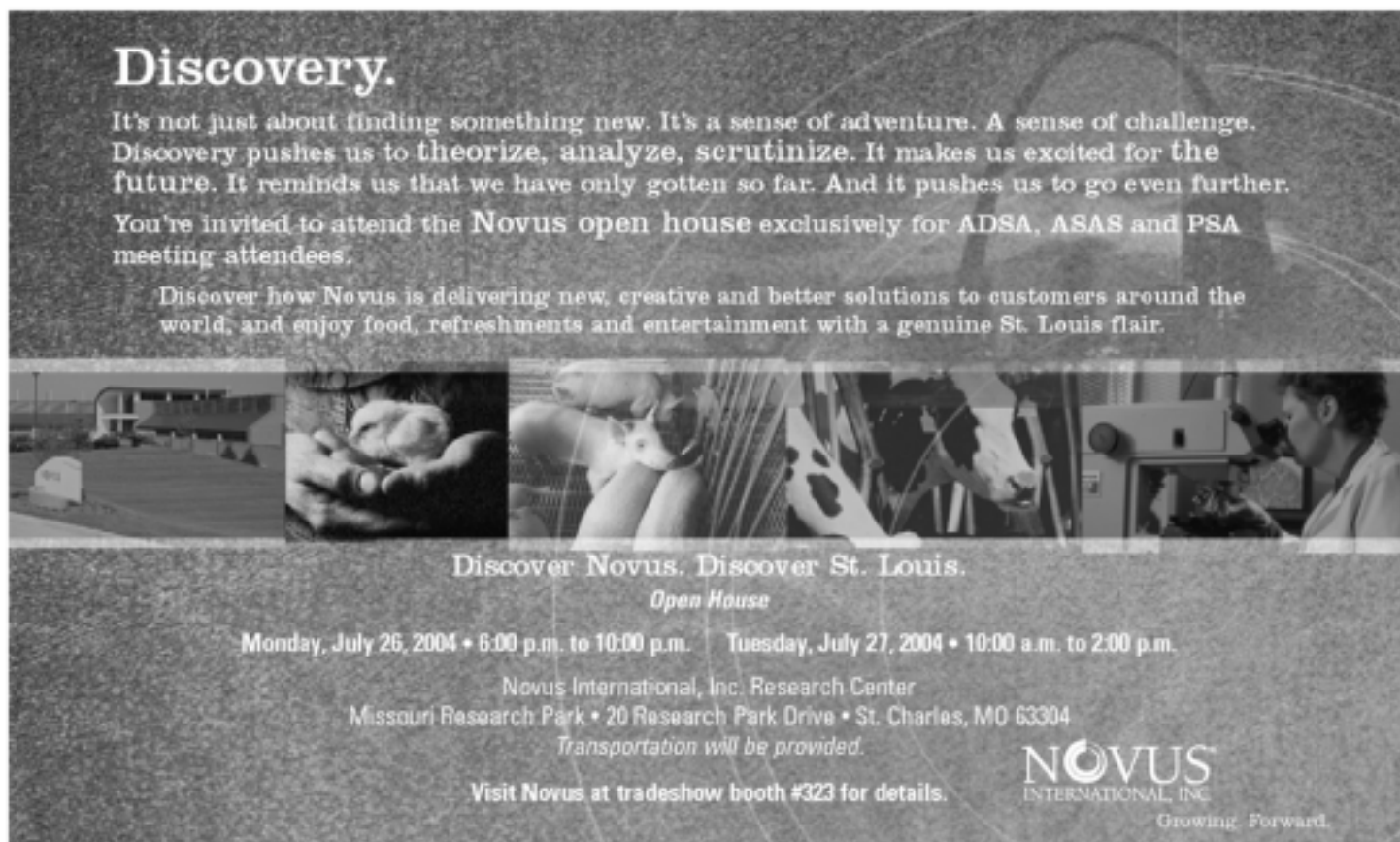
PSA Awards Banquet

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.



Discovery.

It's not just about finding something new. It's a sense of adventure. A sense of challenge. Discovery pushes us to theorize, analyze, scrutinize. It makes us excited for the future. It reminds us that we have only gotten so far. And it pushes us to go even further.

You're invited to attend the **Novus open house** exclusively for ADSA, ASAS and PSA meeting attendees.

Discover how Novus is delivering new, creative and better solutions to customers around the world, and enjoy food, refreshments and entertainment with a genuine St. Louis flair.

Discover Novus. Discover St. Louis.

Open House

Monday, July 26, 2004 • 6:00 p.m. to 10:00 p.m. | Tuesday, July 27, 2004 • 10:00 a.m. to 2:00 p.m.

Novus International, Inc. Research Center
Missouri Research Park • 20 Research Park Drive • St. Charles, MO 63304
Transportation will be provided.

Visit Novus at tradeshow booth #323 for details.

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ADSA-ASAS-PSA Award Donors

ADSA

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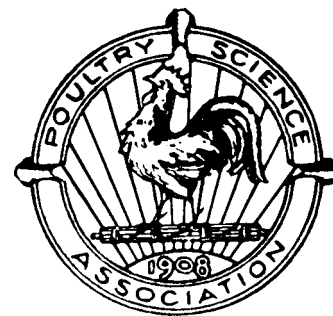
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PSA

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 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 Mississippians, 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:

1. Climb on the giant sculptures in Turtle Playground.
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 Saint Louis.
23. Visit an ancient civilization at Cahokia Mounds, a United Nations World Heritage Site.
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.

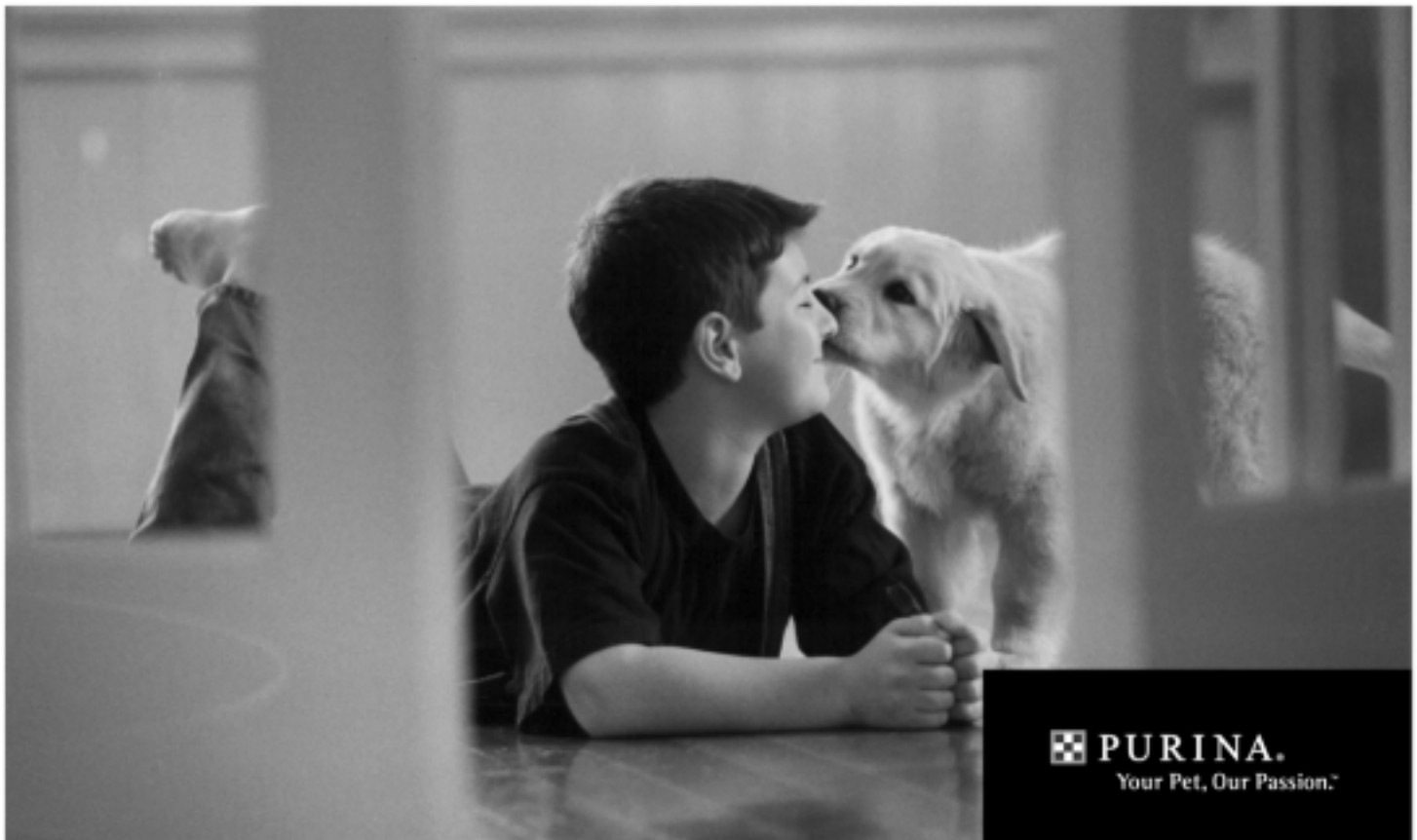
Anheuser Busch Tours
www.budweisertours.com

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 hundred 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.ameristarcasinos.com). The First Missouri State Capitol (www.mostateparks.com/firstcapitol.htm) building and the Shrine of St. Phillipine 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

Sunday, July 25

8 am - 5 pm

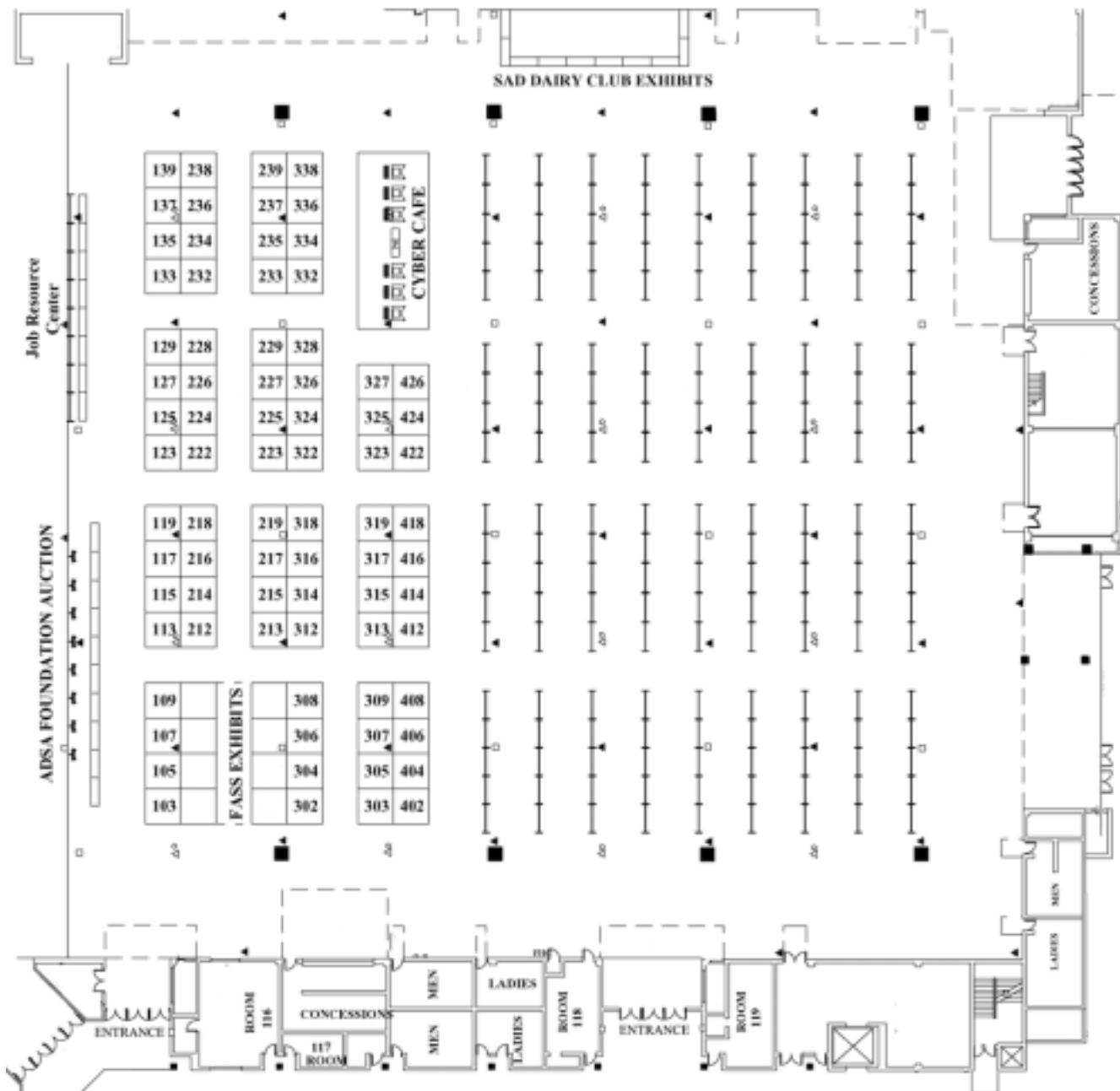
Exhibitor Teardown

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5 pm - 8 pm

Exhibit Hall Floorplan

Exhibit Hall 5



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2004 ADSA-ASAS-PSA
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Exhibit Directory

AAALAC International

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Rockville, MD 20902

Phone: (301) 231-5353; Fax: (301) 231-8282

Web Site: www.aaalac.org

Booth: 214

AAALAC International (the Association for Assessment and Accreditation of Laboratory Animal Care) offers accreditation and assessment services for agricultural and biomedical animal research programs. Earning accreditation demonstrates your institution's dedication to responsible animal care and use. It also assures customers, funding sources, students and partners of your commitment to quality research and good science. More than 650 institutions in 19 countries have earned AAALAC accreditation.

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Canada

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Web Site: www.acadianseaplants.ca

Booth: 322

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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.

2425 SE Oak Tree Court

Ankeny, IA 50021

Phone: (515) 289-7600; Fax: (515) 289-4360

Web Site: www.functionalproteins.com

Booth: 334

APC, Inc. is the world leader in the development of functional proteins for animal health and nutrition. Products include: AP920 – petfood, weaning and sow diets, milk replacers and nutritional supplements; Solutein – water supplement during stress; Endure – companion animals; Biofend – aquaculture diets; New Uses – lactation diets & poultry applications.

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Phone: (609) 279-7685; Fax: (609) 497-7176
Web Site: www.ahdairy.com
Booth: 229

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Web Site: www.allix-formulation.com
Booth: 228

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Web Site: www.balchem.com
Booth: 137

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PO Box 60
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Web Site: www.bardiamond.com
Booth: 216

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1852 Lockhill Selma, Suite 105
San Antonio, TX 78216
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Web Site: www.biomim.net
Booth: 107

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Booths: 215, 217, 219

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Booth: 316

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Omega Protein, Inc is the largest fish meal producer in North America. Omega Protein produces three grades of fish meal – Special Select™, Sea-Lac™, and FAQ; Neptune fish concentrate; and various refined and crude oils. Products are available in bulk, bag, or drums and can be shipped in containers or bulk vessels.

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email info@growsafe.comwww.growsafe.com

Pfizer Animal Health
150 East 42nd Street
New York, NY 10017-5612
Phone: (212) 573-2323; Fax: (212) 573-7851
Web Site: www.pfizer/ah
Booth: 314

Pfizer Animal Health is a world leader in animal health, committed to providing high-quality innovative health products, including pharmaceuticals and biologicals for livestock and companion animals. Pfizer Animal Health is a business unit of Pfizer Inc., a research-based pharmaceutical company with global operations.

Pierce Biotechnology, Inc
3747 N. Meridian Rd., PO Box 117
Rockford, IL 61105-0117
Phone: (800) 874-3723; Fax: (815) 968-7316
Web Site: www.piercenet.com
Booth: 302

Poultry Protein & Fat Council
1530 Cooleedge Road
Tucker, GA 30084
Phone: (770) 493-9401; Fax: (770) 493-9257
Web Site: www.poultryegg.org
Booth: 139

Poultry Science Association (PSA)
1111 North Dunlap Avenue
Savoy, IL 61874
Phone: (217) 356-5386; Fax: (217) 398-4119
Web Site: www.poultryscience.org
Booth: 203

Probiotech International Inc.
105 Echo
St Eustache, QC J7P 3W3
Canada
Phone: 45 09747252; Fax: 45 09749509
Booths: 123, 222

Saf Agri/Lesaffre Feed Additives
433 East Michigan Street
Milwaukee, WI 53202
Phone: (414) 615-4046; Fax: (414) 615-4003
Web Site: www.saf-agri.com
Booth: 235

SODA Feed Ingredients LLC
306 11th Street #3
Brookings, SD 57006
Phone: (866) 763-2872; Fax: (605) 692-7632
Web Site: www.soda-ingredients.com
Booth: 234

Soybean Meal Information Center
4554 NW 114th Street
Urbandale, IA 50322
Phone: (515) 251-8640; Fax: (515) 251-8657
Web Site: www.soymeal.org
Booth: 325

SoyBest
PO Box 157
West Point, NE 68788
Phone: (402) 372-2429; Fax: (402) 372-3305
Web Site: www.soybest.com
Booth: 327, 426

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115 Executive Drive
Highland, IL 62249
Phone: (618) 654-2070; Fax: (618) 654-1818
Booth: 328

Trouw Nutrition USA manufactures and markets feed additives for feed manufacturers, livestock producers and pet food manufacturers worldwide. Products include OPTiMIN® Proteinated Trace Minerals; Protimax® Spray Dried Egg; ProtiOne™ Globulin Protein Source; NovaSilplus™ Hydrated Aluminosilicate; Milkivit™ Milk Replacer; Pedicure™ Equine Supplement, Vitamin Premixes, Mineral Premixes, Calcium Propionate, Sodium Propionate and Specialty Feed Additives. The company also offers custom manufacturing.

USDA, Agricultural Research Service
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
Phone: (301) 504-6212; Fax: (301) 504-7125
Web Site: www.nal.usda.gov/awic
Booth: 125

The Animal Welfare Information Center, a unit of the United States Department of Agriculture, provides information for the improved care and use of animals used in research, testing, teaching, and exhibition. The staff also assists people and institutions in complying with information requirements of the Federal Animal Welfare Act. Services provided include free publications, workshops, and custom literature searches performed on a cost-recovery basis.

Varied Industries Corporation
905 South Carolina Avenue
Mason City, IA 50401
Phone: (641) 423-1460; Fax: (641) 423-0832
Web Site: www.vi-cor.com
Booth: 309

West Central Soy
406 First Street
Ralston, IA 51459
Phone: (800) 843-4769; Fax: (712) 667-3215
Web Site: www.westcentralsoy.com
Booth: 318

Western Yeast Company
305 West Ash Street
Chillicothe, IL 61523
Phone: (309) 274-3160; Fax: (309) 274-5393
Web Site: www.westernyeast.com
Booth: 424

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Zinpro Corporation
10400 Viking Drive, Suite 240
Eden Prairie, MN 55344
Phone: (952) 944-2736; Fax: (952) 944-2749
Web Site: www.zinpro.com
Booth: 103

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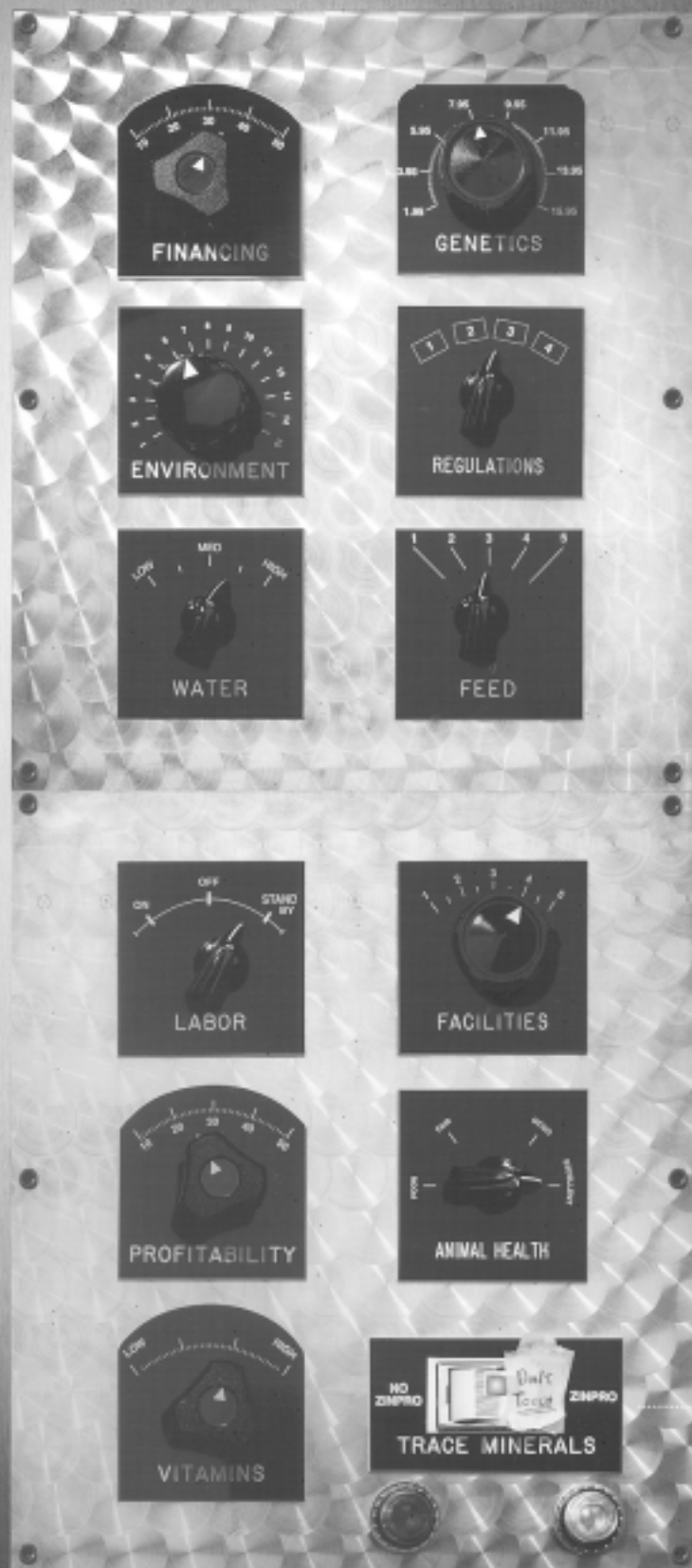
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Schedule of Events

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	Renaissance, Parkview/Aubert
8 am – 5 pm	ASAS Board of Directors Meeting	Adam's Mark, St. Louis BC
8 am – 5 pm	PSA Board of Directors Meeting	Renaissance, Portland
10 am – 5 pm	Registration Open (pre-registered, badge & material pick up only)	Convention Center, Plaza Lobby North
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	WPSA-USA Meeting	Renaissance, Landmark 3
10:30 am – 5 pm	PSA Board of Directors Meeting	Renaissance, Portland
11 am – 12 pm	ADSA-SAD Officers and Advisor Meeting	Convention Center, Room 230
11 am – 12 pm	ADSA JDS Editors 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	Renaissance, Parkview/Aubert
1 pm – 5 pm	ADSA Journal Management Committee Meeting	Renaissance, Parkview/Aubert
1 pm – 5 pm	ADSA-SAD Quiz Bowl Seating/Preliminary Rounds	Convention Center, Rooms 240-241
2 pm – 3 pm	ADSA Production Division Council Meeting	Convention Center, Room 125/126
2 pm – 3:30 pm	ADSA Foundation Board of Trustees Meeting	Renaissance, Pershing/Lindell
2 pm – 3:30 pm	ASAS Foundation Trustees Meeting	Renaissance, Westmoreland/Kingsbury
2 pm – 4 pm	ADSA Committee on Evaluation of Dairy Products	Convention Center, Room 130
3 pm – 4 pm	ADSA Production Division Nominating Committee	Convention Center, Room 125/126
3 pm – 4 pm	ADSA Production Division Resolutions Committee	Convention Center, Room 123
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	Renaissance, Landmark 1/2
5 pm – 6 pm	ADSA Dairy Foods Division Council Meeting	Convention Center, Room 123
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

6:30 am – 8 am	ADSA Production Division Extension Breakfast	Renaissance, Portland/Benton
6:30 am – 8 am	ADSA Journal Editorial Board Breakfast/Meeting	Renaissance, Westmoreland/Kingsbury
6:30 am – 8 am	Michigan State University Breakfast	Renaissance, Parkview/Aubert
6:30 am – 4 pm	Registration Open	Convention Center, Plaza Lobby North
7:15 am – 8:15 am	ADSA-SAD Exhibit Set up	Convention Center, Exhibit Hall 5
7:30 am – 9:30 am	PSA Foundation Breakfast and Meeting	Convention Center, Room 123
7:30 am – 9:30 am	Poster Presentations	Convention Center, Exhibit Hall 5
7:30 am – 5 pm	Commercial Exhibits & ADSA-SAD Exhibits Open	Convention Center, Exhibit Hall 5
7:30 am – 5 pm	Job Resource Center	Convention Center, Exhibit Hall 5
8 am – 5 pm	National Combined Extension Workshop	Convention Center, Room 222
8 am – 5 pm	Hospitality Lounge	Convention Center, Room 120
8:30 am – 9:15 am	ADSA-SAD Business Meeting	Convention Center, Room 230
8:30 am – 9:30 am	ADSA 2006 Centennial Publications Committee Meeting	Convention Center, Room 229
9:30 am – 10:30 am	ADSA-SAD Judging of Yearbooks, Scrapbooks, Annual Reports	Convention Center, Room 231
9:30 am – 10:30 am	ADSA-SAD Interviews for Outstanding Student and Advisor Awards	Convention Center, Room 232
9:30 am – 10:30 am	ADSA-SAD Activities Symposium	Convention Center, Room 230
9:30 am – 5 pm	Scientific Sessions	Convention Center
10 am – 11 am	Poultry Science Section Editors' Meeting	Renaissance, Portland
10 am – 12 pm	ARPAS Exam	Convention Center, Room 229
11 am – 12 pm	Poultry Science and JAPR Editors' Luncheon	Renaissance, Portland
11 am – 12:15 pm	ADSA-SAD Undergraduate Paper Presentations	Convention Center, Room 230
11 am – 1 pm	ASAS Publications Committee Luncheon	Adam's Mark, Directors Row 44
12 pm – 1 pm	JAPR Subject Editors' Meeting	Renaissance, Portland
12 pm – 1 pm	National Extension Workshop Luncheon	Convention Center, Room 228
12 pm – 1 pm	WPSA-USA Branch Luncheon	Convention Center, Room 123
12 pm – 2 pm	ADSA Past President's Luncheon	Renaissance, Westmoreland/Kingsbury
12 pm – 2 pm	ASAS Past President's Luncheon	Adam's Mark, St. Louis B
1 pm – 5 pm	ADSA-SAD Undergraduate Paper Presentations	Convention Center, Room 230
2 pm – 3:30 pm	ADSA DISCOVER Conference Steering Committee Meeting	Convention Center, Room 123
5:15 pm – 6:30 pm	ADSA Town Hall Meeting	Convention Center, Room 260
5:30 pm – 7 pm	ASAS Award Winners Reception and Photo Session	Adam's Mark, Rose Garden Room
7 pm – 8:30 pm	ASAS Awards Program	Adam's Mark, St. Louis DE
8:30 pm – 11 pm	Iowa State Social	Adam's Mark, St. Louis F
8:30 pm – 12:30 am	Undergraduate Student Dance/Mixer	Holiday Inn Select
9 pm – 12 am	ASAS/ADSA/PSA Graduate Student Mixer	Trainwreck on the Landing

Tuesday, July 27

6:30 am	Fun Run	Off Site
6:30 am – 8 am	ADSA Dairy Foods Division Extension Breakfast	Renaissance, Benton
6:30 am – 8 am	University of Illinois Breakfast	Adam's Mark, St. Louis A
6:30 am – 8 am	Kentucky Breakfast	Renaissance, Parkview/Aubert
6:30 am – 8 am	Penn State Breakfast	Adam's Mark, St. Louis B
6:30 am – 8 am	Triennial Poultry Extension Workshop	Renaissance, Portland
6:30 am – 8:30 am	ASAS New Board Orientation Breakfast	Adam's Mark, Directors Row 41
6:30 am – 3:30 pm	Registration Open	Convention Center, Plaza Lobby North
7:30 am – 9:30 am	Poster Presentations	Convention Center, Exhibit Hall 5
7:30 am – 5 pm	Commercial Exhibits & ADSA-SAD Exhibits Open	Convention Center, Exhibit Hall 5
7:30 am – 5 pm	Job Resource Center	Convention Center, Exhibit Hall 5
8 am – 5 pm	Hospitality Lounge	Convention Center, Room 120
8:30 am – 10 am	ADSA-SAD Business Meeting – Election of Officers	Convention Center, Room 230
9:30 am – 5 pm	Scientific Sessions	Convention Center
10 am – 11:30 am	ADSA-SAD Student Careers Symposium: Leaders in Training	Convention Center, Room 230
11 am – 12 pm	ADSA Production Division Business Meeting	Convention Center, Room 224
11 am – 12 pm	ADSA Dairy Foods Division Business Meeting	Convention Center, Room 260
12 pm – 1 pm	ARPAS Business Meeting	Convention Center, Room 227
12 pm – 1 pm	National Poultry Waste Management Luncheon	Convention Center, Room 226
12 pm – 1 pm	PSA Graduate Student Luncheon	Convention Center, Room 225
12 pm – 1 pm	ADSA Dairy Foods Division Program Planning Lunch	Renaissance, Benton
12 pm – 1 pm	NE ASAS/ADSA Executive Committee Luncheon	Convention Center, Room 228
12 pm – 1:30 pm	ASAS Division/Associate Editors Luncheon	Adam's Mark, Directors Row 44

12 pm – 2 pm	ADSA-SAD Awards Luncheon
12 pm – 2 pm	2004 Spouses' Luncheon
1 pm – 2 pm	WPSA Lecture
1 pm – 3 pm	ARPAS Exam
1 pm – 5 pm	Southern Branch ADSA Symposium and Business Meeting
2 pm – 3 pm	ADSA-SAD Award Photos
2 pm – 3:30 pm	ADSA-SAD Committee Meeting – Old and New Officers & Advisors
2:15 pm – 4 pm	PSA Business Meeting
3:30 pm – 5:30 pm	ASAS JAS Forum (Division/Associate Editors and Authors)
5 pm – 6:30 pm	ADSA Award Donor Dinner
5 pm – 7 pm	Informal Calf Gathering
5 pm – 7 pm	Texas A&M Poultry Science Reception
6 pm – 9 pm	Korean Scientists and Students Dinner
7 pm – 8 pm	ADSA Awards Program
8:30 pm – 9:30 pm	2004 ADSA-ASAS-PSA Ice Cream Social
8:30 pm – 9:30 pm	ADSA Foundation Auction & Raffle

Convention Center, Room 231/232
Gateway Arch Riverboats
Convention Center, Room 274
Convention Center, Room 229
Convention Center, Room 124
Convention Center, Room 231/232

Convention Center, Room 230
Convention Center, Room 274
Convention Center, Room 123
Renaissance, Portland/Benton
Renaissance, Majestic G
Convention Center, Room 225
Off Site
Renaissance, Majestic A-D
Renaissance, Majestic A-D
Renaissance, Majestic A-D

Wednesday, July 28

6:30 am – 8 am	Purdue Breakfast
6:30 am – 8 am	National Organic Animal Production and Processing Resolutions Committee Breakfast
7 am – 3 pm	Registration Open
7:30 am – 9:30 am	Poster Presentations
7:30 am – 5 pm	Job Resource Center
7:30 am – 5 pm	Commercial Exhibits & ADSA SAD Exhibits Open
8 am – 5 pm	Hospitality Lounge
9:30 am – 10 am	Joint ADSA-ASAS Business Meeting
9:30 am – 5 pm	Scientific Sessions
10 am – 10:30 am	ADSA Business Meeting
10 am – 10:30 am	ASAS Business Meeting
11 am – 1 pm	ASAS Board of Directors Meeting
11 am – 1 pm	ADSA Board of Directors Meeting
11 am – 1 pm	NE ASAS/ADSA Business Meeting and Awards Luncheon
11:30 am – 1 pm	ADSA DF Division Milk Proteins & Enzyme Committee
12 pm – 1 pm	APHS Luncheon
12 pm – 1 pm	WPSA-Canada Business Meeting
12 pm – 2 pm	Block & Bridle Club Advisors Meeting
1 pm – 3 pm	ARPAS Exam
1 pm – 5 pm	Golf Outing
2:30 pm – 3:30 pm	2004 Retirees Social
4:30 pm – 6 pm	2004 International/Closing Reception
5 pm – 8 pm	Commercial Exhibits Dismantle
6 pm – 9:30 pm	PSA Reception and Awards Banquet

Adam's Mark, St. Louis A

Renaissance, Benton
Convention Center, Plaza Lobby North
Convention Center, Exhibit Hall 5
Convention Center, Exhibit Hall 5
Convention Center, Exhibit Hall 5
Convention Center, Room 120
Convention Center, Room 125/126
Convention Center
Convention Center, Room 124
Convention Center, Room 127
Adam's Mark, St. Louis BC
Renaissance, Parkview/Aubert
Convention Center, Room 123
Renaissance, Lucas
Renaissance, Hawthorne
Convention Center, Room 227
Adam's Mark, St. Louis A
Convention Center, Room 229
Far Oaks Golf Club
Convention Center, Room 123
Convention Center, Rooms 230-232
Convention Center, Exhibit Hall 5
Convention Center, Room 225/226

Thursday, July 29

7:30 am – 9:30 am	ADSA-ASAS-PSA Joint Executive Committee Breakfast
8 am – 10 am	Registration Open
8 am – 12 pm	Scientific Session

Adam's Mark, St. Louis BC
Convention Center, Plaza Lobby North
Convention Center

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

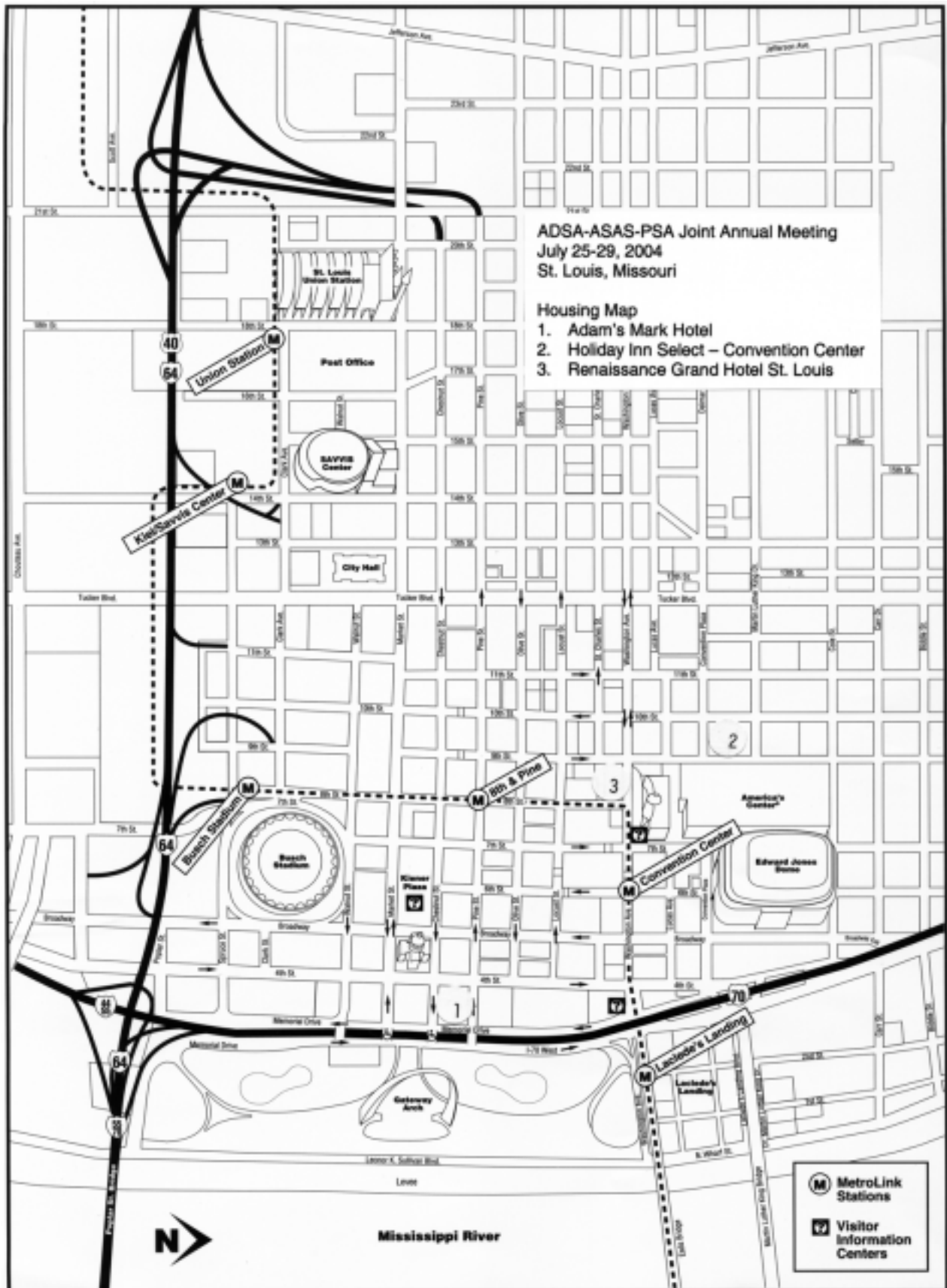
Wednesday, July 28

7:30 am – 5:00 pm	Scientific Sessions and Exhibits	Convention Center
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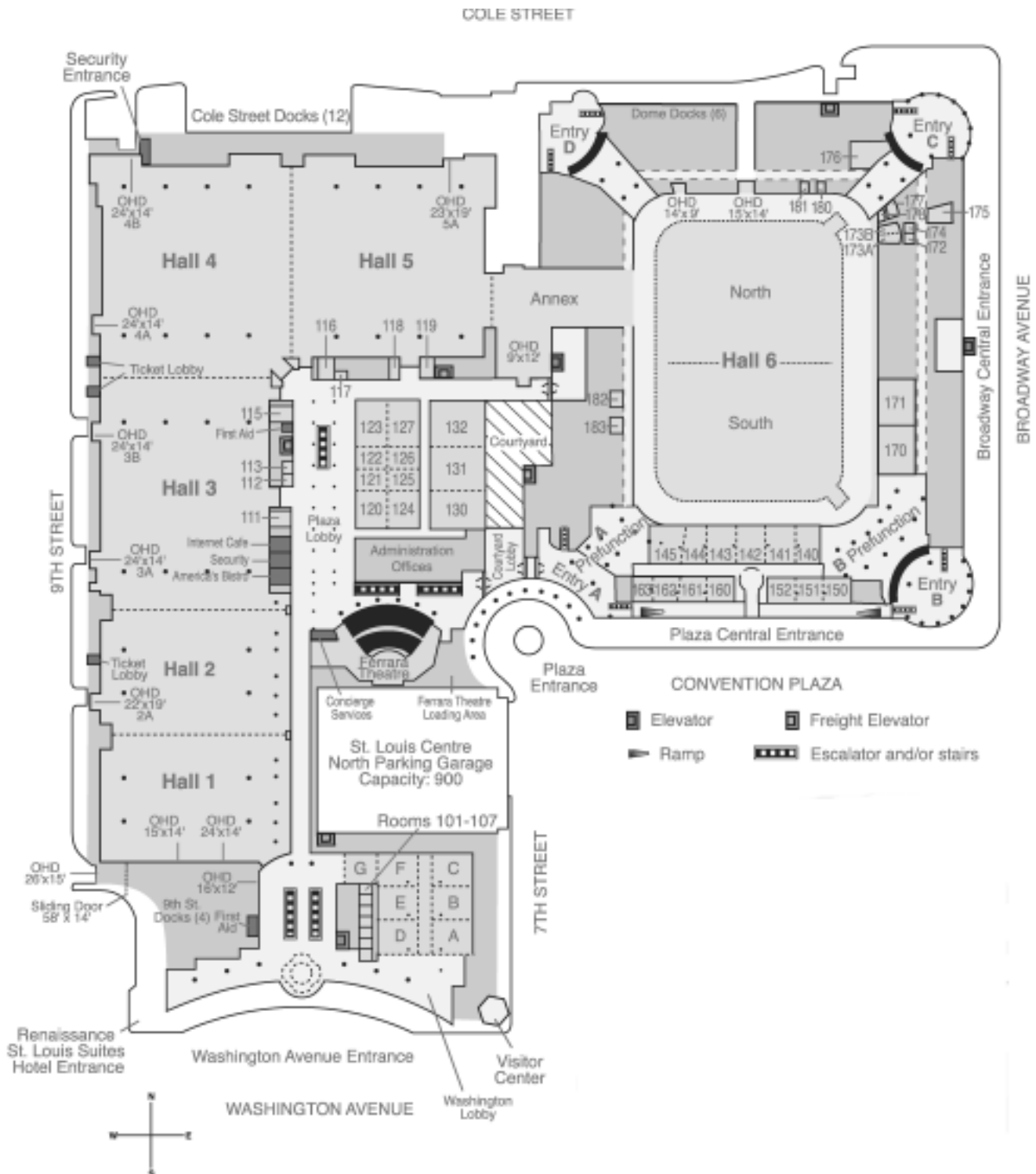
Thursday, July 29

8:00 am – 12:00 pm	Scientific Sessions	Convention Center
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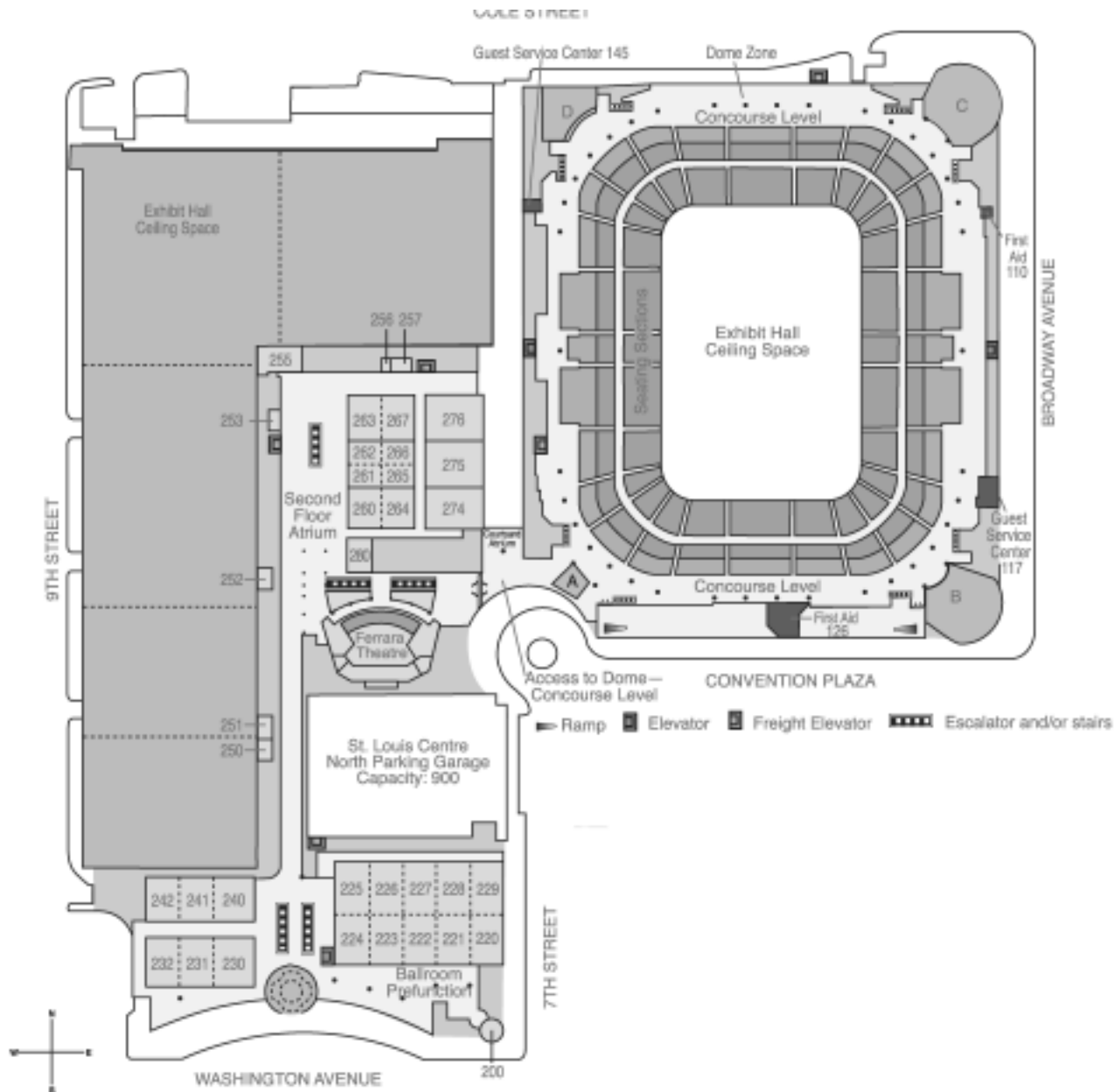
Housing Map Downtown St. Louis



America's Center Level 1 Floorplan



America's Center Level 2 Floorplan



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Humane Society of the United States
Hybrid Turkeys
IMC
Kemin Americas, Inc.
Maple Leaf Farms
Midwest Poultry Federation
Newsham Genetics
NRCS
Southern Poultry Science Society
Tyson Foods, Inc.
Zinpro Corporation

