

# **Welcome to the 2000 Joint Meeting of ADSA and ASAS and the Joint Celebration of Animal Agriculture with the EAAP**

This is a meeting you just cannot miss!

After months of planning and work with outstanding joint Program Committees, I can promise that the 2000 ADSA/ASAS Annual Meeting will provide one of the richest scientific programs that you are likely to find anywhere. The highlights are too numerous to mention, but I'll note just a few you will find in this program booklet or at the [www.baltimore2k.org](http://www.baltimore2k.org) web site.

- This year, in conjunction with the European Association of Animal Production (EAAP), we are celebrating progress in animal agriculture with the theme ***From Research to Innovation***. The theme is highlighted by two distinguished speakers in the opening session: Professor Dr. G. Van Dijk, director of NCR, National Cooperative Council for Agriculture and Horticulture, from the Netherlands and Dr. Bobby Moser from The Ohio State University. In addition, several EAAP researchers are invited to speak during our scientific sessions; they will provide a broader perspective on critical scientific issues in animal agriculture. Check the program for the presentations of invited EAAP speakers during our meeting!
- Three fascinating full-day workshops include Agricultural Biotechnology in the World Marketplace, the Basics of Flavor Development in Cheese, and Livestock Transport: Industry Issues and Research Challenges. These timely workshops will provide registrants with in-depth insight on a range of cutting-edge issues.
- Thirty-two symposia covering everything from species-specific topics to matters as broad as "women and minority issues in animal agriculture" await us. If you have trouble selecting the sessions you want to attend, you will appreciate the online publication of "interpretive summaries" prior to the meeting and the online publication of referred symposia papers in the months following the meeting.
- The Industry/Tech Forum day of programming on Tuesday, July 25 will be of special interest to those who need the latest information about how new scientific discoveries may apply to improve production or product quality.

The Baltimore Inner Harbor area will provide a spectacular setting for our meeting, with the National Aquarium, an assortment of first-rate restaurants, and baseball's Camden Yards an easy walk away. For those interested in a side-trip to our nation's capital or the USDA-ARS research facilities in Beltsville, you are only a short drive or train ride from your destination. Meeting registrants will receive information about a full range of regional attractions from one of Baltimore's premier tour providers over the next few months.

Of course, for many of us the opportunity to catch up with old friends or hear first-hand about new developments at universities and labs across the country is the primary reason to register. Early indications are that this meeting will be very well attended, so take advantage of the many opportunities to network at receptions, ice cream socials, and awards ceremonies planned in Baltimore. Use the enclosed meeting registration and housing forms or go to [www.baltimore2k.org](http://www.baltimore2k.org) and register online to reserve your place now.

I look forward to seeing you in Baltimore!

David Beede  
Overall Program Chair, 2000

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# REGISTRATION MATERIALS

All registration materials are included in this mailing. Registration information and forms are also available by visiting the official meeting web site at: <http://www.baltimore2k.org/>.

## Registration Deadline and Payment Options

Register early to help us plan better and save you money! All registrations received prior to **July 1** will be assessed the early registration fee. Payment is easy! With three options available, you can't go wrong. Your choices are:

- mail the registration form to ADSA-ASAS Joint Annual Meeting, 1111 N. Dunlap Ave., Savoy, IL 61874 (all checks must be in US dollars, drawn on US banks, and made payable to "ADSA-ASAS Joint Meeting")
- fax the completed form with credit card information to (217) 398-4119, or
- register and pay on-line with your credit card at <http://www.baltimore2k.org/>.

*Sorry, no telephone registrations will be accepted.*

## Cancellation Policy

To be eligible for a refund of meeting registration fees, requests must be received in writing before these cancellation dates:

On/Before July 1, 2000 90% registration fee refund  
After July 1, 2000 **NO REFUND**

- The cancellation dates apply only to the meeting registration fees.
- There will be NO REFUNDS on the ticketed events for requests received after July 1, 2000.
- All approved refunds will be issued after the ADSA-ASAS Annual Meeting.

## Student Rate 2000

Again this year, students who are members of ADSA or ASAS receive free registration. Student nonmembers pay a nominal fee of \$30.00, which includes membership through December 31, 2001. Please indicate to which society you would like your membership applied. *Please note: students are responsible for all fees associated with ticketed events.*

## Membership Information

You do not have to be a member of ADSA or ASAS to attend the meeting; however, you may elect to have a portion of your nonmember registration fees apply toward a new membership with either ADSA or ASAS through December 31, 2001.

## Receipts and Name Badges

If you register before **July 1**, we will mail to you a registration receipt, meeting badge, and appropriate tickets. Verify the receipt, and contact the Business Office if you have any questions. If registration is received after July 1, you may pick up your receipt, meeting badge, and appropriate tickets at the ADSA-ASAS Registration area in the Charles Street Lobby of the Baltimore Convention Center.

## Abstract Book

Abstract books will not be mailed prior to the meeting. Participants will receive the book of abstracts in Baltimore.

### **On-Site Registration**

Registration will be located in the Charles Street Lobby of the Baltimore Convention Center, One West Pratt Street, Baltimore, MD 21201-2499. Registration hours for the ADSA-ASAS Joint Annual Meeting, including special symposia and other events, will be as follows:

Sunday, July 23 ..... 1:00 p.m. – 6:00 p.m.  
Monday, July 24 ..... 7:00 a.m. – 8:00 p.m.  
Tuesday, July 25 ..... 7:00 a.m. – 5:00 p.m.  
Wednesday, July 26 ..... 7:00 a.m. – 5:00 p.m.  
Thursday, July 27 ..... 7:30 a.m. – 4:00 p.m.  
Friday, July 28 ..... 7:30 a.m. – 12:00 p.m.

The telephone number for the ADSA-ASAS Joint Annual Meeting registration desk is **(410) 649-6014**.

### **Reminder!**

Wear your name tag! It's your admission to the meeting events and exhibit hall. Tickets for special events and meal functions will be collected at the door or at the table for specific events. Your tickets and name badge will be mailed to you if you register prior to **July 1, 2000**. Event name, location, and date will appear on the ticket – please be sure to give the ticket-taker the appropriate ticket.

### **Questions**

All program questions will be handled by the ADSA-ASAS business office. All inquiries about pre-registration for the 2000 ADSA-ASAS Annual Meeting should be made to the ADSA-ASAS Business Office, 1111 N. Dunlap Ave., Savoy, IL 61874; (217) 356-3182, Fax: (217) 398-4119; E-mail: [adsa@assoqh.org](mailto:adsa@assoqh.org) or [asas@assoqh.org](mailto:asas@assoqh.org).

### **Special Needs**

All rooms at the Convention Center are wheelchair accessible. Please indicate any special needs when sending in your registration form.

## **ACCOMMODATIONS**

Rooms have been blocked at eight hotels, all within walking distance of the Baltimore Convention Center. A housing information and reservation form is included with your registration materials. Additionally, you may access all housing information and make reservations on-line at <http://www.baltimore2k.org/>. You may also contact the housing bureau directly at (800) 977-1563 (toll free U.S. only) or (416) 385-9258 (International). You may contact hotels directly with any questions you have regarding their guest room accommodations; however, all reservations (and changes to existing reservations) must be made through the ADSA-ASAS/BACVA Housing Bureau (address information below). All hotels are filled on a first-come, first-served basis. Your first-choice hotel may not be able to offer you all of the evenings you need for the duration of your stay. You will be placed in the next available hotel that will provide a room for your entire stay. Your housing reservation form is due to be returned by **Friday, June 17**. ***ADSA-ASAS encourage you to stay at one of the hotels listed here for convenience and to ensure that the room block commitment is met. As is the case with most large conventions, ADSA-ASAS will be charged for unused rooms in the hotel block.***

**ADSA-ASAS/BACVA Housing Bureau  
100 Light Street, 12th Floor  
Baltimore, MD 21202  
Toll free: (800) 977-1563 (U.S. only)  
(416) 385-9258 (International)  
Fax: (416) 385-9258**

## **Hotel Information**

1. Sheraton Inner Harbor (ASAS Headquarter Hotel)  
300 S. Charles Street  
Baltimore, MD 21201  
(410) 962-8300; Fax: (410) 962-8211
2. Hyatt Regency Baltimore (ADSA Headquarter Hotel)  
300 Light Street  
Baltimore, MD 21201  
(410) 528-1234; Fax: (410) 685-3362
3. Days Inn Harbor Inner Harbor (Student Headquarter Hotel)  
100 Hopkins Place  
Baltimore, MD 21201  
(410) 576-1000; Fax: (410) 576-9437
4. Omni Inner Harbor Hotel  
101 W. Fayette Street  
Baltimore, MD 21201  
(410) 752-1100; Fax: (410) 727-6223
5. Holiday Inn  
301 W. Lombard Street  
Baltimore, MD 21201  
(410) 685-3500; Fax: (410) 727-6169
6. Hilton Baltimore & Towers  
20 W. Baltimore Street  
Baltimore, MD 21201  
(410) 539-8400; Fax: (410) 332-4229
7. Renaissance Harborplace Hotel  
202 E. Pratt Street  
Baltimore, MD 21202  
(410) 547-1200; Fax: (410) 539-5780
8. Baltimore Marriott Inner Harbor  
110 S. Eutaw Street  
Baltimore, MD 21201  
(410) 962-0202; Fax: (410) 962-8585

## **TRANSPORTATION**

### **Travel Planning—Conventions in America**

ADSA and ASAS have selected **Conventions in America (CIA)** as the official travel agency for this meeting. Call 1 (800) 929-4242 and ask for Group #708 to receive the following discounts or the lowest available fares on any other carrier:

**American Airlines & US Airways**- save 5% to 10% on lowest applicable fares – take an additional 5% off with minimum 60-day advance purchase. Travel between July 19 – August 2, 2000.

**Alamo Rent A Car**—rates start as low as \$37/day for economy models or \$165/week with unlimited free mileage.

- Call CIA – 1 (800) 929-4242, ask for Group #708
- Lowest available fares on any airline!

- Website: [www.stellaraccess.com](http://www.stellaraccess.com)
- NOTE: First time users must register and refer to your Group #708
- All customers of CIA receive free flight insurance of \$100,000
- Outside US & Canada, call (619) 232-4298 / fax (619) 232-6497
- Reservation hours: M-F 6:30 a.m. – 5:00 p.m. Pacific Time
- Email: [flycia@stellaraccess.com](mailto:flycia@stellaraccess.com)

**If you call direct or use your own agency, refer to these codes:**

American	1 (800) 433-1790, Starfile#	7870UH
US Airways	1 (877) 874-7687, Gold File #	24121199
Alamo	1 (800) 732-3232, ID #	418099 GR

**Transportation**

All hotels are within walking distance of the Baltimore Convention Center this year, so conference shuttle service is not necessary.

The taxi fare to downtown Baltimore from BWI is approximately \$18.00\*. BWI Super Shuttle service to Inner Harbor hotels is available for \$11.00\* one way/\$17.00\* round trip and to uptown hotels for \$19.00\* one way/\$29.00\* round trip. (\*Rates are subject to change).

Rail service to Baltimore is provided by both MARC and Amtrak. The MARC train operates weekdays between Washington's Union Station and Baltimore's Camden or Penn Stations. Camden Station is located just across the street from the Convention Center, and Penn Station is just a five-minute drive. Penn Station is also the depot for Amtrak's East Coast Metroliner and nationwide service. Both Amtrak and MARC provide service between BWI Airport and downtown Baltimore.

Traveling to Baltimore by car is easy from any direction via I-695, I-95, I-70, I-195, I-83, and Route 295. Distances from New York, Philadelphia, and Washington, D.C. are 185 miles, 100 miles and 35 miles, respectively.

**BALTIMORE INFORMATION**

Baltimore is fresh, fun, and exciting - now more than ever before. A contemporary blend of traditional and modern, the city has experienced a revitalization comparable with no other, which has attracted conventioners from around the world.

The Convention Center has easy access to Baltimore's top attractions, including Harborplace, the National Aquarium, the Maryland Science Center, and the Charles Street Corridor. Conventioners rarely ask for something that Baltimore cannot provide. In its drive to provide the very best, Baltimore has expanded the Convention Center. The new facility features 302,000 square feet of exhibition space, over 40 meeting rooms, and a 38,000-square foot ballroom. For more information, visit the Baltimore Area Convention and Visitors Association Web site at: <http://www.baltimore.org>.

Baltimore is a vibrant metropolis, centered around its stunning Inner Harbor, 95 acres of top-flight museums, shops, and eateries. The star-shaped fortification of Fort McHenry, under bombardment by the British during the War of 1812, inspired Francis Scott Key to write "The Star-Spangled Banner." North of the Inner Harbor, the Baltimore Museum of Art and the Walters Art Gallery each feature impressive collections of artworks.

Baltimore has many outstanding downtown and neighborhood restaurants that offer a glorious melange of international and ethnic cuisines as well as native Maryland seafood specialties. Everyone has his/her favorites. Many spend the evening at an elegant restaurant or a family dining room. Those who love authentic Italian food head for Little Italy. Seafood lovers converge on popular crabhouses. And others opt for a casual cafe. In Baltimore, no matter what your taste, you can count on having endless options.

What else will you find in Maryland? Historic small towns like Ellicott City in Howard County, terminus of the nation's first railroad line, and New Market in Carroll County, a national historic district with scores of antique shops. There's Wisp in Garrett County, a fully developed ski resort on 3,080-foot Marsh Mountain. Central Maryland is horse country, with twice as many thoroughbreds per square mile as Kentucky, and it's home to the Preakness Stakes, the second jewel in racing's Triple Crown. Last, but not least, don't forget the wonderful Eastern Shore: St. Michaels, Easton, and the always popular Ocean City.

## **Tours**

Tour services for the 2000 ADSA-ASAS Joint Annual Meeting will be provided by a local Baltimore tour company. All registrants will receive information in the mail regarding available tours, after registering. Watch the meeting website for tour updates.

## **GENERAL INFORMATION**

### **Restaurant and Tourist Information Kiosk**

An information kiosk will be located in the Convention Center for all meeting attendees. Hours will be Monday through Friday, 10:00 a.m. – 5:00 p.m.

### **Important Phone Numbers**

ADSA-ASAS Registration Desk ..... (410) 649-6014  
ADSA-ASAS Media Room ..... (410) 649-6010  
Ambulance, Fire, Police ..... 911  
Amtrak ..... (800) 872-7245  
Baltimore Area Convention & Visitors Assoc.  
..... (410) 659-7300, (800) 343-3468  
Baltimore Area Visitors Center  
..... (410) 837-4636, (800) 282-6632  
Baltimore Airport Shuttle ..... (410) 821-5387  
Baltimore Chamber of Commerce... (410) 269-0642  
Baltimore Convention Center Business Center  
.....(410) 649-7194, fax: (410) 649-7196  
Baltimore Marriott Inner Harbor..... (410) 962-0202  
Baltimore Tickets..... (410) 752-8427  
Baltimore/Washington International Airport  
..... (410) 859-7111, (800) 435-9294  
BWI Airport Super Shuttle ..... (800) 258-3826  
Days Inn Inner Harbor ..... (410) 576-1000  
Hilton Baltimore & Towers..... (410) 539-8400  
Holiday Inn Inner Harbor Hotel..... (410) 685-3500  
Hyatt Regency Baltimore..... (410) 528-1234  
Local Directory Assistance ..... 411  
Local Time ..... (410) 844-1212  
Local Weather ..... (410) 936-1212  
MARC Commuter Train  
..... (410) 539-5000, (800) 325-7245  
Mass Transit Admin. (Light Rail, Metro, & MARC)  
..... (410) 539-5000  
Omni Inner Harbor Hotel ..... (410) 752-1100  
Penn Station..... (410) 291-4261  
Renaissance Harborplace Hotel..... (410) 547-1200  
Sheraton Inner Harbor..... (410) 962-8300

# MEETING INFORMATION

## **Publicity/Public Relations/Media Center**

Room 306 in the Baltimore Convention Center will be reserved as a Publicity and Public Relations Center. Publicity, news releases, and the daily newsletter will be issued from this location. The telephone number for the Media Center is **(410) 649-6010**.

## **Business Center**

A Business Center is provided to meet attendees' various business needs while they attend the Convention.

The Business Center is located on the third level across from rooms 300 – 335, at the Pratt Street entrance. It is open seven days a week from 8:00 a.m. – 5:00 p.m. and offers the following services: copying (black & white as well as color), faxing, shipping (postal, UPS and Federal Express), printing, laminating, and office supply sales. They will accept cash, checks and all major credit cards. You may contact the Business Center at (410) 649-7194, fax: (410) 649-7196.

## **Speaker Ready Room**

A room for you to preview your slides and test your computer with an LCD projector before your presentation will be located in the Baltimore Convention Center Room 305. **You will need to provide your own slide carousel and laptop computer.**

## **Poster Presentations**

Poster presentations will be held in Exhibit Hall AB of the Convention Center. This is adjacent to the area designated for commercial exhibits. Poster sessions are scheduled for Tuesday, Wednesday, and Thursday from 8 a.m. – 5 p.m. and Friday from 8 a.m. – 12 noon. All posters must be staffed by a presenter at the times designated in the ADSA-ASAS program; however, posters will be available for viewing all day on the scheduled day. The poster board surface is 48" high and 96" wide. Poster presenters must supply their finished poster and push pins to display their poster. The Exhibit Hall will open at 7:00 a.m. to presenters on the day of the scheduled poster presentation.

## **Attention LCD Projector Users**

ADSA-ASAS will again provide LCD projectors for those who wish to utilize this mode of delivery. All presenters will be contacted prior to the meeting with specific instructions. If you have specific questions please contact your **session chair**.

**In the unlikely event that the LCD or computer fails during a presentation, the presenter must be prepared to continue verbally.**

For those individuals who plan to use their own laptop, have your display set to 640x480 or 800x600 (avoid 1024x768 – it may not display correctly). Know how to configure your video settings in case there is a problem.

Avoid delays from booting your computer at the start of the presentations. Some computers require the projector be attached in order for the video port to be activated – use a computer that is able to detect a video display without requiring a reboot.

Load the presentation software and open the slide show prior to the presentation, and then put the computer in a "suspend" or "sleep" state. At the start of the presentation, attach the projector to the video port, and then "wake" or "resume" the computer.

It is recommended that your computer's refresh rate be set to 60Hz prior to your presentation. Refresh rates above 60Hz are beyond the acceptable range of LCD projectors. Please review your owner's manual to perform this modification.

**Know how to activate your computer's video port – this often requires a specific key combination and is different on different types of computers.**

Bring your computer's power cable/cord and use it to be sure of a strong signal from the



computer to the projector. Do not plan to power your computer with the battery. You will not need an extension cord.

There will be no remote control, so plan on running the keyboard yourself.

It is highly recommended that you use your computer with an 800x600 display projector prior to the meetings so you will be familiar with the connection and configuration required for your type of computer.

A speaker ready room (Room 305) with LCD panel will be available for presenters to prepare their computers.

### **Special Note for Macintosh Users**

You must bring your own docking cable for the connection between the computer and the projector. You must have "Video Mirroring" on your system. This can be loaded from the System disks (version 7.0 and higher).

### **ARPAS Continuing Education Units**

The ADSA-ASAS Joint Annual Meeting has been approved for up to 28 continuing education units (CEUs) for American Registry of Professional Animal Scientists certification requirements.

Sign up to take an ARPAS Exam and return your request with your registration. Check at the registration desk for the times and location of the exam.

### **Placement Center**

A Placement Center will be located in the Baltimore Convention Center, Exhibit Hall AB. Employers are invited to submit 20 copies of all position descriptions and prospective employees are invited to submit 30 copies of brief (2-page) resumes prior to the meeting.

The job announcements and resumes will be organized into the following categories (please indicate preference) 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
- Production and Management
- Reproduction
- Reproductive Physiology
- Ruminant Nutrition
- Teaching

Should you have any questions, please contact Brad Berry. Mail job postings to Brad Berry, USDA, Meat Science Research Lab, Bldg 201, MARC-East, Beltsville, MD 20705.

ASAS-ADSA will again sponsor an On-Line Placement Center for the benefit of the membership. This opportunity will be in addition to the traditional Placement Center, where printed position descriptions are displayed on poster board.

The On-Line Placement Center will be a web site where prospective employees can review your job description; go directly to your company, university, or agency web site; or even respond immediately via e-mail to your ad. The cost to include your company's listing on the On-Line Placement Center will again be only \$20, which covers a three week listing (July 17-August 4),

active links to your web site, and an active e-mail link to your contact person.

Announcements should include the name of your organization; position title; description of the position, including requirements, duties, and salary; deadline for applications; and start date, if appropriate. Please do not include logos or other artwork and try to contain the ad to a single paragraph.

The procedure for posting a job is simple and efficient. Visit the ASAS - ADSA Meeting Web Site at <http://www.baltimore2k.org/> and click on the On-Line Placement Center. The submission form will be available beginning June 1 and job announcements will be accepted through July 10.

At the time the form is submitted electronically, please also send payment (\$20) to ASAS - ADSA at 1111 N. Dunlap Ave., Savoy, IL 61874 and indicate that payment is for the placement of an ad with the On-Line Placement Center in conjunction with the 2000 ASAS - ADSA Joint Meeting.

If you have any questions or comments about this service or the submission process, please contact Vicki Smith, [vickis@assochq.org](mailto:vickis@assochq.org) or phone 217/356-3182.

Don't miss this opportunity to advertise your position opening at a high profile conference such as the ASAS Annual Meeting!

### **Cyber Café**

Let technology keep you caught up with work and in touch with friends and family during the ADSA-ASAS Joint Annual Meeting. Meeting attendees can attend the Joint Annual Meeting knowing they can easily keep up with business activities by visiting the Cyber Café. At the Cyber Café, meeting attendees can check e-mail and meet with colleagues to exchange information found on the Internet. The Cyber Café will be located in Exhibit Hall AB so that all meeting attendees can utilize the many computer stations.

### **Hospitality Room**

The hospitality lounge, located in the Charles Street VIP Suite offers adults a place to relax, get acquainted or catch up with old friends. Information on meeting activities, tour opportunities, and highlights of the Baltimore area will be posted and/or available here.

### **Retiree Social**

All retirees and their spouses are cordially invited to attend a social gathering to relax, reminisce, and enjoy refreshments on Thursday, July 27 from 1 p.m. – 3 p.m. in Room 301 of the Baltimore Convention Center.

## **SPONSORSHIP OPPORTUNITIES**

There are numerous sponsorship opportunities for companies wanting additional recognition or for those that wish to support the organizations. Some of the activities your contribution could support include the Opening Reception, Cyber Café, printing of the abstracts issue, a scientific strand, the Fun Run, or the Daily Newsletter. All donors will receive excellent recognition, and top donors (more than \$5000) receive a complimentary exhibit booth (a \$1000 value). For more details, visit the official meeting web site at <http://www.baltimore2k.org/> or contact Janet Brown at the Business Office at (217) 356-3182 or [janetb@assochq.org](mailto:janetb@assochq.org). See current sponsor listing inside front cover.

## **SPECIAL EVENTS**

Visit the 2000 ADSA - ASAS Joint Annual Meeting Exhibitors! Commercial Exhibits will be located in the Convention Center, Exhibit Hall AB.

Tuesday, July 25 ..... 10:00 a.m. – 6:30 p.m.

Wednesday, July 26 .....9:00 a.m. – 5:00 p.m.  
Thursday, July 27 .....9:00 a.m. – noon

**From Research to Innovation**  
**Historical Displays**

Make sure to visit the special historical exhibits that highlight some of the advances in dairy, animal, and dairy food technology during the 20th century. One display will feature early 20th century ice cream scoops and hand crank ice cream freezers. Another exhibit will capture dairying in the last 100 years through a series of posters. Also, commercial exhibitors will be displaying products or photographs of products that have changed and improved the animal and dairy industries. Make sure you cast your vote for the commercial exhibit that most effectively shows their 20th Century technological innovation.

**Current list of exhibits (as of 4/18/2000)**

AAALAC International  
ADDS Center  
ADSA - ASAS  
Alltech, Inc.  
ALOKA  
American Meat Science Association  
ANKOM Technology  
APC, Inc.  
ARPAS  
Aventis  
The Babcock Institute  
Bar Diamond Inc.  
Bioproducts, Inc.  
Biospherics Inc.  
Biotal, Inc.  
Biovance Technologies, Inc.  
CABI Publishing  
CAST  
Chr. Hansen Biosystems  
Church & Dwight Co., Inc.  
Classic Medical/PharVision  
Council for Biotechnology  
Cotton International  
Dairy One  
Dairy Practices Council  
Darling International Inc.  
Diagnostic Systems Laboratories  
Diamond V Mills  
Degussa-Hüls Corporation  
E.I. Medical  
Easy Systems, Inc.  
Elsevier Science  
F.A.R.M.E. Institute, Inc.  
Fats and Proteins Research Foundation, Inc.  
FDA/Center for Veterinary Medicine  
Federation of Animal Science Societies  
FV Kosikowski, LLC.  
Griffin Industries, Inc.  
Harcourt Health Sciences Publisher  
Indianapolis 2001  
International Ingredient Corporation  
Iowa State University Press  
LECO Corporation  
Lotek Engineering Inc.

Midland BioProducts Corporation  
Monsanto Dairy Business  
Mosdal  
National Cottonseed Products Association  
National Institute for Animal Agriculture  
National Pork Producers Council  
National Research Council  
Nisso America Inc.  
Novus International, Inc.  
Nutra-Flo  
Omega Protein, Inc.  
Pharmacia & Upjohn Animal Health  
Professional Dairy Heifer Growers Association  
Promote  
Purdue University Press  
Rhône-Poulenc Animal Nutrition  
Roche Vitamins Inc.  
Saf Agri  
Scientist Center for Animal Welfare  
Soybest/Grain States Soya, Inc.  
Soy Pass/Lignotech USA, Inc.  
TA Instruments  
Universal Ultrasound  
USDA-Animal Welfare Information Center  
Veterinary Concepts

**SAD Tour of USDA Dairy Research Farm**

Monday, July 24  
9:00 a.m.

Buses depart at 9:00 a.m. for the tour of the Beltsville Agricultural Research Center. Presentations during the tour include: Dairy Research in the New Millennium, Abortions in Cattle - Neosporosis, Recent Advances in Mastitis Research, Meat Quality and Safety, Mitigation of Nutrient, Pathogen, and Odor Problems, and Breeding Forage Soybeans. The cost of the tour is \$10 and includes a box lunch (sandwich, salads, and cookie). Register early for this tour, as space is limited.

**Opening Session and Reception**

Monday, July 24  
6:00 p.m. – 9:30 p.m.  
Baltimore Convention Center Ballroom 1–4

**A special thank you to:**

**Agway**

**ASAS Past Presidents**

**EAAP**

**Land O'Lakes**

**Monsanto**

**for their generous support of the  
opening session and reception!**

**Milk: Where's Your Mustache? Photo Booth**

In conjunction with the Opening Reception, the ADSA Student Affiliate Division will again be taking milk mustache photos! The original Milk: Where's Your Mustache Photo Booth, in conjunction with the Milk Processors Education Program and the National Dairy Council will be located in the Ballroom Monday evening. With a \$5.00 donation to the Student Affiliate Division, SAD will take your picture (individual or group). Donations support the Student Affiliate Division.

### **Spouse's Luncheon**

Tuesday, July 25  
Hyatt Regency, Baltimore Room  
11:30 a.m. - 1:00 p.m.

A spouse's luncheon will take place on Tuesday, July 25, from 11:30 a.m. – 1:00 p.m. at the Hyatt Regency hotel. This is a great opportunity to meet and catch up with old friends, while enjoying a delicious lunch. Please sign up on the registration form and provide the attendee's name in order to receive a name badge.

### **Industry/Technology Forum Reception**

Tuesday, July 25  
Convention Center, Exhibit Hall AB  
5:00 p.m. – 6:30 p.m.

Be sure to make time to stop by the Exhibit Hall (AB) on Tuesday in honor of the Pfizer Industry/Technology Forum. You will be able to visit with exhibitors and view posters at this time, as well as catch up with friends and colleagues. Be sure to cast your vote for the commercial exhibit that most effectively shows their 20th Century technological innovation.

**A special thank you to:  
Alltech, Inc. and Bioproducts  
For their generous support of the  
Industry/Technology Forum Reception!**

### **A Tribute to A.E. Freeman, Iowa State University, Dinner/Roast**

Tuesday, July 25  
Hyatt Regency Constellation Ballroom  
6:00 p.m.

On Tuesday evening, July 25, all participants and their families are cordially invited to an old-fashioned "Roast" at the Hyatt Inner Harbor Hotel. The Guest of Honor is A.E. (Gene) Freeman, Professor of Animal Breeding at Iowa State University and former ADSA Board member. The festivities begin with a cash-bar social at 6:00 p.m., followed by a steak and shrimp dinner at 7:00 p.m., and then the "Roasting" of Gene by an international ensemble of Gene's "friends" at 8:00 p.m. Even if you don't know Gene Freeman, you'll want to attend this fun-filled, light-hearted event. Please pre-register and sign up on the registration form if you wish to attend.

### **Student Mixer**

Tuesday, July 25  
Convention Center, Outdoor Terrace  
(rain location tba)  
8:00 p.m. – 11:00 p.m.

Make plans to attend this event located at the Outdoor Terrace on the Baltimore Convention Center. While overlooking the city, you can dance, converse, drink, and snack while meeting with old and new friends. The dance will begin at 8:00 p.m. and end at 11:00 p.m. Be sure to indicate whether or not you will be attending on the registration form.

### **Fun Run**

Wednesday, July 26  
Across from Renaissance Hotel  
6:00 a.m.

The fun run will be a 5k (3.1 mile) course around the service road and sidewalks of Baltimore's Scenic Inner Harbor. The start/finish line is across the street from the Renaissance Hotel and within easy walking distance of the other downtown hotels. Starting time will be 6 a.m. The cost is \$15. Preregistered participants will receive a commemorative T-shirt and there will be awards. You may use the Registration Form on to register.

### **SAD Awards Luncheon**

Wednesday, July 26  
Convention Center, Rooms 302-303  
12:00 p.m. - 2:00 p.m.

Awards will be presented for the following categories: Outstanding Student, Chapter, Advisor, Yearbook, and Web Site. Student Paper Presentation Award winners, the Genevieve Christen Award winner, and scholarship winners will be recognized. Luncheon tickets are \$20.00 for adults and students.

### **Minority and Women's Issues and International Reception**

Wednesday, July 26  
4:00 p.m. – 6:00 p.m.  
Convention Center, Ballroom 4

Make plans to attend this year's Women and Minority Issues in Animal Agriculture and International Members Reception. This is a terrific way to help show appreciation to all members and their contributions to ADSA and ASAS. Guest speaker W.A. Samuels, from Balchem Corporation, will speak on the topic: "How do we fit into ADSA-ASAS: International, minorities, and women?". A brief discussion with the speaker and comments from the committee Co-Chairs will follow. Refreshments will also be served.

### **ADSA Awards Program/ Ice Cream Social and Auction**

Wednesday, July 26  
Hyatt Regency, Constellation Ballroom  
7:00 p.m. - 10:00 p.m.

The ADSA Awards Ceremony will be held on Wednesday, July 26 from 7:00 p.m. to 8:00 p.m. at the Hyatt Regency. All meeting participants, families, and friends are welcome.

Following the Awards Program, the Ice Cream Social will begin, followed by the 8<sup>th</sup> Annual ADSA Foundation Auction. Proceeds from the auction will support the Foundation, helping ADSA achieve its goals. For more information or to contribute an item to the auction item, contact ADSA Headquarters at (217) 356-3182 or email: [adsa@assochq.org](mailto:adsa@assochq.org). To view photos of many of the items being offered, visit the Foundation catalog on the ADSA web site at <http://www.adsa.org/>. If you are unable to attend the auction, you'll find an absentee bid sheet on in this document.

**A special thank you to:  
Giant of Maryland for donating the ice cream for the ADSA Ice Cream Social and to  
Church & Dwight Co., Inc.  
for their generous support of the ADSA Ice Cream Social!**

### **ASAS Awards Program and Ice Cream Social**

Thursday, July 27  
7:00 p.m.–10:00 p.m.  
Sheraton Hotel - Chesapeake Ballroom

The ASAS Awards Program has been scheduled for 7:00 p.m., Thursday, July 27, in the Chesapeake Ballroom of the Sheraton Hotel. It will be followed by an Ice Cream Social (8:30 p.m.) so that donors of awards can be thanked and recipients can be congratulated. The Awards Program and Ice Cream Social are open to all meeting participants. Please register on the registration so that we may plan accordingly.

**A special thank you to:  
Giant of Maryland for donating the ice cream for  
the ASAS Ice Cream Social!**

## **The Eighth Annual ADSA Foundation Auction**

Be a part of the eighth annual ADSA Foundation Auction. Auction items will be on display beginning Sunday, July 23 in the ADSA-ASAS registration area of the convention center. Bidding on silent auction items will get underway on Sunday and continue through the close of the live auction, which will be held on Wednesday evening at the Hyatt Regency Baltimore. Proceeds are used to fund activities such as the ADSA Foundation Scholar Awards, the Genevieve Christen Distinguished Undergraduate Student Award, and high quality programs at the annual meetings. For the latest listing of items, to view color photos of many of the items, or to obtain an item donation form, visit the Foundation Auction page on the ADSA Web site at <http://www.adsa.org/foundation>

### **2000 ADSA Foundation Auction Absentee Bid Form**

If you would like to bid on an item in the 2000 ADSA Foundation Auction but are unable to attend the auction, complete this form and your bid will be honored. Please review the following before submitting your bid.

- 1] Submission of this bid is considered a binding commitment if this bid is the winner; if you bid on an item and your bid is the winner, you are obligated to complete the transaction.
- 2] If your absentee bid is well above the last bid at auction time, you will win the bidding on only one more incremental bid. For example, if your absentee bid is \$400, the last bid given was \$310.00 and the bid increment was \$10.00, you would get the item for \$320.00 (\$310 last bid + \$10.00 bid increment to win.)
- 3] You will be notified after the auction if your bid is a winner.
- 4] Items will be shipped upon receipt of payment. Payment will be due by August 30, 2000.

**For the latest listing of items, to view color photos of many of the items, or to obtain an item donation form, visit the Foundation Auction page on the ADSA Web site at <http://www.adsa.org/foundation>**

**Please print and mail or fax by July 12, 2000.**

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Catalog Item # \_\_\_\_\_

Item: \_\_\_\_\_

Bid amount \$ \_\_\_\_\_

Your name:

\_\_\_\_\_

Address:

\_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Zip \_\_\_\_\_

Phone:

\_\_\_\_\_

E-mail:

\_\_\_\_\_

Billing preference:

*If your bid is the winner, you will be billed (if paying by check) or your credit card will be charged for the bid amount indicated above.*

check    Visa    MasterCard    AmEx

Credit Card #

\_\_\_\_\_

Exp. date \_\_\_\_\_

Signature \_\_\_\_\_

Send this form by July 12, 2000 to:

**ADSA Foundation Auction**  
**1111 North Dunlap Avenue**  
**Savoy, IL 61874**  
**Phone: 217/356-3182   Fax: 217/398-4119**



# Schedule of Events

Please note: All rooms and times are subject to change without notice. Please check the daily newsletter and the appropriate hotel marquee for any changes.

## Saturday, July 22

- 1:00 p.m. – 5:00 p.m. ASAS Board of Directors Meeting, Sheraton Hotel, Harbor Ballroom 1  
1:00 p.m. – 5:00 p.m. ADSA Board of Directors Meeting, Hyatt Regency, Chesapeake Ballroom AB

## Sunday, July 23

- 8:00 a.m. – 5:00 p.m. ASAS Board of Directors Meeting, Sheraton Hotel, Harbor Ballroom 1  
8:00 a.m. – 5:00 p.m. ADSA Board of Directors Meeting, Hyatt Regency, Chesapeake Ballroom AB  
1:00 p.m. – 6:00 p.m. Registration – Convention Center, Charles Street Lobby  
7:30 p.m. – 9:30 p.m. ARPAS Executive Committee Meeting, Sheraton Hotel, Boardroom

## Monday, July 24

- 7:00 a.m. – 8:00 p.m. Registration – Convention Center, Charles Street Lobby  
8:00 a.m. – 5:00 p.m. Biotech Workshop, Convention Center, Ballroom 1  
8:00 a.m. – 5:00 p.m. ARPAS Governing Board Meeting, Sheraton Hotel, Boardroom  
8:00 a.m. – 5:00 p.m. Commercial Exhibits set up – Convention Center, Exhibit Hall AB  
9:00 a.m. – 3:30 p.m. ADSA Undergraduate Student Dairy Farm Tour  
9:00 a.m. – 4:00 p.m. Dairy Foods Workshop, Convention Center, Room 318  
1:00 p.m. – 3:00 p.m. ADSA Journal Management Committee Meeting, Hyatt Regency  
1:00 p.m. – 5:00 p.m. National Animal Germplasm Program Meeting, Convention Center, Room 303  
2:00 p.m. – 3:00 p.m. ADSA Production Division Council Meeting, Room 309  
2:00 p.m. – 3:30 p.m. ADSA Foundation Board of Trustees Meeting, Convention Center, Room 302  
3:00 p.m. – 5:00 p.m. 2001 Program Committee Meetings, Convention Center, Ballroom 3  
3:00 p.m. – 4:00 p.m. ADSA Archives Committee Meeting, Convention Center, Room 308  
3:00 p.m. – 4:00 p.m. ADSA Production Division Nominating Committee Meeting, Room 314  
3:00 p.m. – 4:00 p.m. ADSA Production Division Resolutions Committee Meeting, Room 317  
4:15 p.m. – 5:00 p.m. ADSA Committee on Evaluation of Dairy Products, Convention Center, Room 319  
5:00 p.m. – 6:00 p.m. ADSA Dairy Foods Division Council Meeting, Convention Center, Room 308  
6:30 p.m. – 8:00 p.m. ADSA-ASAS 2000 Joint Annual Meeting - Opening Session, Convention Center, Ballrooms 1–4  
8:00 p.m. – 9:30 p.m. Reception, Convention Center, Ballrooms 1–4

## Tuesday, July 25

- 6:30 a.m. – 8:00 a.m. Virginia Tech Alumni Breakfast, Hyatt Regency Constellation Ballroom B  
6:30 a.m. – 8:00 a.m. Illinois Breakfast, Sheraton Hotel, Harbor Ballroom 1 & 2  
6:30 a.m. – 8:00 a.m. ADSA Production Division Extension Specialists Breakfast, Hyatt Regency, Constellation Ballroom A  
7:00 a.m. – 9:00 a.m. JDS Editors' Breakfast, Hyatt Regency  
7:00 a.m. – 5:00 p.m. Registration, Convention Center, Charles Street Lobby  
8:00 a.m. – 5:00 p.m. Oral Presentations, Convention Center  
8:00 a.m. – 5:00 p.m. Poster Presentations, Convention Center, Exhibit Hall AB  
10:00 a.m. – 6:30 p.m. Commercial Exhibits, Convention Center, Exhibit Hall AB  
11:30 a.m. – 1:00 p.m. Spouse's Luncheon, Hyatt Regency, Baltimore Room  
11:30 p.m. – 1:00 p.m. Livestock Transport Symposium Luncheon, Convention Center, Room 303  
12:00 p.m. – 1:30 p.m. NE ASAS/ADSA Board Meeting, Sheraton Hotel, Harbor Ballroom 1  
1:00 p.m. – 5:30 p.m. Graduate Student Workshop, Convention Center, Room 316  
5:00 p.m. – 6:30 p.m. Industry/Technology Forum Reception, Convention Center, Exhibit Hall AB  
6:00 p.m. A Tribute to A.E. Freeman, Iowa State University, Dinner/Roast, Hyatt Regency, Constellation Ballroom  
8:00 p.m. – 10:00 p.m. Informal Calf Session, Convention Center, Room 314

8:00 p.m. – 11:00 p.m. Student Mixer, Convention Center, Outdoor Terrace

**Wednesday, July 26**

6:00 a.m. Fun Run  
6:30 a.m. – 8:00 a.m. Kentucky Breakfast, Sheraton Hotel, Potomac Room  
6:30 a.m. – 8:00 a.m. Penn State Breakfast, Hyatt Regency, Constellation Ballroom B  
6:30 a.m. – 8:00 a.m. Oklahoma State Breakfast, Sheraton Hotel, Chesapeake Ballroom 1  
6:30 a.m. – 8:00 a.m. ADSA Dairy Foods Division Extension Specialists Breakfast, Hyatt Regency, Baltimore Room  
6:30 a.m. – 8:00 a.m. ADSA Production Division Officers Breakfast, Hyatt Regency, Annapolis Room  
7:00 a.m. – 9:00 p.m. ADSA Journal Editorial Training Meeting, Hyatt Regency, Frederick Room  
7:00 a.m. – 5:00 p.m. Registration, Convention Center, Charles Street Lobby  
8:00 a.m. – 5:00 p.m. Oral Presentations, Convention Center  
8:00 a.m. – 5:00 p.m. Poster Presentations, Convention Center, Exhibit Hall AB  
8:00 a.m. – 12:00 p.m. ASAS Foundation Trustees Meeting, Sheraton Hotel, Severn 1  
9:00 a.m. – 5:00 p.m. Commercial Exhibits, Convention Center, Exhibit Hall AB  
11:00 a.m. ARPAS Business Meeting, Convention Center, Room 317  
11:00 a.m. ADSA Dairy Foods Division Business Meeting, Convention Center, Room 318  
11:00 a.m. ADSA Production Division Business Meeting, Convention Center, Room 320  
11:00 a.m. – 1:00 p.m. ASAS Publications Committee Luncheon, Sheraton Hotel, Boardroom  
12:00 p.m. – 2:00 p.m. ADSA Past President's Luncheon, Hyatt Regency  
12:00 p.m. – 2:00 p.m. ASAS Past President's Luncheon, Sheraton Hotel, Chesapeake Ballroom 1  
12:00 p.m. – 2:00 p.m. ADSA Student Affiliate Division Luncheon, Convention Center, Room 302-303  
12:00 p.m. – 1:00 p.m. ADSA Dairy Foods Division Program Planning Meeting, Hyatt Regency, Pratt/Calvert Room  
4:00 p.m. – 6:00 p.m. Women and Minority Issues in Animal Agriculture and International Members Reception, Convention Center, Room Ballroom 4  
5:00 p.m. – 6:30 p.m. ADSA Award Donor Dinner, Hyatt Regency, Constellation Ballroom EF  
7:00 p.m. – 10:00 p.m. ADSA Awards Program/Ice Cream Social/Foundation Auction, Hyatt Regency, Constellation Ballroom AB  
8:30 p.m. – 11:00 p.m. Iowa State Social, Hyatt Regency, Chesapeake Ballroom AB

**Thursday, July 27**

6:30 a.m. – 8:00 a.m. Purdue Breakfast, Sheraton Hotel, Harbor I & II  
7:30 a.m. – 4:00 p.m. Registration, Convention Center, Charles Street Lobby  
7:30 a.m. – 9:30 a.m. National Animal Germplasm Program Meeting, Convention Center, Room 303  
7:30 a.m. – 11:00 a.m. ADSA Board of Directors Meeting, Hyatt Regency, Chesapeake Ballroom AB  
8:00 a.m. – 5:00 p.m. Oral Presentations, Convention Center  
8:00 a.m. – 5:00 p.m. Poster Presentations, Convention Center, Exhibit Hall AB  
9:00 a.m. – 12:00 noon Commercial Exhibits, Convention Center, Exhibit Hall AB  
12:00 p.m. – 5:00 p.m. Commercial Exhibits Dismantling, Convention Center, Exhibit Hall AB  
11:00 a.m. ADSA Business Meeting, Convention Center, Room 314  
11:00 a.m. – 11:45 a.m. ASAS Business Meeting, Convention Center, Room 315  
12:00 p.m. – 1:30 p.m. NE ASAS/ADSA Business Meeting & Lunch, Sheraton Hotel, Chesapeake Ballroom 3  
11:30 a.m. – 1:00 p.m. ASAS Extension Specialists Lunch, Sheraton Hotel, Harbor Ballroom 1 & 2  
12:00 p.m. – 1:00 p.m. ADSA Dairy Foods Division Milk Proteins and Enzyme Nomenclature Committee, Hyatt Regency, Camden/Lombard Room  
12:00 p.m. – 2:00 p.m. ASAS National Block & Bridle Advisor's Luncheon, Sheraton Hotel, Potomac Room

12:00 p.m. – 1:30 p.m. ASAS Section Editor's Luncheon, Sheraton Hotel, Severn I  
1:00 p.m. – 3:00 p.m. Retirees Social/Reception, Convention Center, Room 301  
4:00 p.m. – Animal Bioethics Project Discussion, Convention Center, Room 320  
5:30 p.m. – 7:00 p.m. ASAS Awards Photo Session, Sheraton Hotel, Potomac Room  
7:00 p.m. – 8:30 p.m. ASAS Awards Program, Sheraton Hotel, Chesapeake Ballroom  
8:30 p.m. – 10:00 p.m. ASAS Ice Cream Social, Sheraton Hotel, Chesapeake Ballroom  
10:00 p.m. – 11:30 p.m. Penn State University, Reception, Sheraton Hotel, Potomac Room

**Friday, July 28**

7:30 a.m. – 12:00 p.m. Registration, Convention Center, Charles Street Lobby  
8:00 a.m. – 12:00 p.m. Oral Presentations, Convention Center  
8:00 a.m. – 12:00 p.m. Poster Presentations, Convention Center, Exhibit Hall AB  
10:30 a.m. – 11:30 a.m. ASAS New Board Member Orientation, Sheraton Hotel, Severn I  
11:30 a.m. – 1:30 p.m. ASAS Board of Directors Meeting, Sheraton Hotel, Severn I

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# SUMMARY OF SYMPOSIUM

Committee	Title
<b>Monday, July 24</b> FASS and Contemporary and Emerging Issues 1	Agricultural Biotechnology in the Global Marketplace
<b>Tuesday, July 25</b> Animal Behavior and Well-Being and Contemporary and Emerging Issues  Breeding and Genetics  *Dairy Foods, Goat Species and Sheep Species   Dairy Species  *Meat Science and Muscle Biology  Physiology  *Production and Management  *Dairy Foods and Food Safety   Extension Education  *Forages and Pastures and Ruminant Nutrition  Growth and Development  *ALPHARMA Beef Cattle Nutrition  *Denotes inclusion in Pfizer IndustryTech Forum.	Livestock Transport: Industry Issues and Research Challenges   A Tribute to A. E. Freeman, Iowa State University  Small Ruminant Dairy Research Production/Milk Quality and Dairy Foods  Endocrinology and Metabolism in Transition Dairy Cows  Ante-mortem Manipulation of Meat Quality  Luteal Cell Interactions and Function  Management of Dairy Herds for 40,000 pounds (18,182 kilograms) of Milk Per Year  Farm-to-Table Food Safety – Knowledge Gaps and Lessons Learned  A Dynamic Paradigm  Protein Nutrition in Forage-Fed Ruminants  Molecular Mechanisms of Endocrine and Metabolic Action  Beef Cattle Behavior
<b>Wednesday, July 26</b> Animal Health   Dairy Foods  Milk Synthesis   Breeding and Genetics  Dairy Foods  Dairy Foods and Goat Species  Growth and Development and Physiology  Horse Species   Nonruminant Nutrition   Production and Management  Sheep Species	Nutritional and Environmental Factors Influencing Immunity  Biologically Active Peptides from Milk  The Physiology and Economics of Alternate Methods for the Initiation and Maintenance of Lactation  Genetics of Carcass Merit  Lactobacilli  Goats for Vegetation Management  Appetite Regulation: Leptin and Beyond  Horse Programs in Animal Science — A Curse or a Blessing?  Back to the Basics: Defining and Exceeding Customers' Nutritional Needs  Anabolic Implants and Beef Carcass Quality  The Compelling Need for Value-Based Marketing

**Thursday, July 27**  
Breeding and Genetics  
Dairy Foods

Growth and Development

Production and

Ruminant Nutrition

International Animal Agriculture

Rabbit Species

Inbreeding in Animal Agriculture  
Educating Dairy Foods Scientists for the 21<sup>st</sup>  
Century

From Genome to Function: and Physiology  
Application of Genomics/  
Functional Genomics to Animal Agriculture

Lameness in Cattle, Sheep, Management and  
Swine

Starch Utilization by Ruminants

Converting Research to Application in Tropical  
and Subtropical Animal Production  
and Processing Systems

Value-Added Rabbit Production