This is a supplement to the March, 2000 issue of ADSA Today. It includes information updates on ADSA matters, as well as a dairy market outlook, recent news, and grant postings. The next complete issue of ADSA Today is due to be published in June.

**Baltimore 2000 Meeting Program and Registration Form Available Online Now!**

The good news is that the annual meeting program, a meeting registration form, an online lodging form, travel information, and highlights about the Baltimore area are all online, now (click here to go directly to the Baltimore 2k meeting web site). The bad news is that the print version of the program will not mail until mid to late May. To register for the joint annual meeting quickly, conveniently, and securely, you have two immediate options: 1) use the online form; or 2) print the online form, fill it in, and fax it back to ADSA at 217-398-4119. Either way, by acting soon, you can assure your place at this rewarding annual meeting.

As Program Chair Dave Beede says in his opening letter, "this is a meeting you just cannot miss!" Take a few minutes to browse through the online program, and you'll see why Dave is excited. With more than 30 symposia, a splendid Inner Harbor setting, and timely presentations on hot issues like biotechnology and genomics, this meeting has much to offer. A secure, online meeting registration form can now be found on the Baltimore 2K web site (click here: http://www.fass-secure.org/b2kregistration.htm). You can use it to register for the general meeting program, for the pre-meeting dairy foods or GMO workshops, and for any of the social or meal events offered in Baltimore (tour information is not on this form but will be mailed to you by Baltimore-area tour providers after you register).

If you haven't done so already, you can also secure your housing reservation from the same website. Also for your convenience, an 800 number is now open for housing reservations, to make changes to prior reservations, or to ask housing questions. The US number is 800-977-1563, and members outside the US can call 416-385-9258.

**Dairy Foods Program Online**

If you are an ADSA Dairy Foods Division member, you may appreciate having a program listing that features Dairy Foods sessions only. You can pick this up online by clicking here. It should provide a fast way to navigate the program and find the sessions you are looking for. This year's dairy foods program is impressive from beginning to end. Starting with the unique full-day
symposia on "The Basics of Flavor Development in Cheese" and extending through 14 scientific symposia or programs, this year's meeting should provide many avenues for thoughtful inquiry and learning. Feel free to share the online program with colleagues who may not be ADSA members, and to print it and use it as a schedule guide onsite.

**ADSA Election Around the Corner**

Don't miss your opportunity to vote in the upcoming ADSA election. Ballots will be mailed with annual meeting programs to US-based members in mid-May, and will be mailed in early May to all members living outside the US. National candidate officers include vice-president nominees John C. Bruhn of California and John A. Partridge of Michigan; director, dairy foods division nominees Kathryn J. Boor of New York and Joseph J. Warthesen of Minnesota; and director, dairy production division nominees Gary F. Hartnell of Missouri and Al F. Kertz of Missouri. For information about this year's candidates, click here. ADSA depends on strong leadership and the active participation of its members, so please be sure to get your vote in before the July 1 deadline.

**ADSA Foundation Auction Catalog On-line**

For an up-to-date preview of the items that will be available at the annual Foundation Auction in Baltimore (including an array of color photos), click here. Every year, the selection seems to get more interesting; the 2000 list of auction items is another exceptional collection of dairy memorabilia. Even if you cannot attend the meeting in Baltimore, you can still use the absentee bid form to attempt a purchase. You can find the bid form at the end of the catalog listing, or can click here to go directly to it. May all of your bids be winners!

**Probiotics Will be the Focus of the Fourth DISCOVER Conference**

The topic of probiotics, while relatively new to the general public, is not new to the scientific community. A number of symposia and conferences have been conducted addressing the use of probiotics in humans. Very little, however, has been done in the area of probiotic use in livestock. The ADSA Foundation/DISCOVER Conference Series is pleased to present the Fourth DISCOVER Conference on Food Animal Agriculture: Priobiotics for Food Animals.

Program Chair Stanley Gilliland (Oklahoma State University) announced that the program will focus on the use of probiotic microbials to improve various aspects of growth and performance as well as control of undesirable microorganisms that might enter the food supply from animal sources. To review the program outline, click here. In-depth discussions among participants and speakers will enable all to gain a better understanding of factors that can result in the successful uses of probiotics in the livestock industry. Various species of microorganisms along with their potential benefits and applications will be discussed.

Scientists involved with farm animal nutrition or health, scientists working with probiotics, consultants for the livestock industry, veterinarians, livestock producers or feeders, companies
involved in developing probiotics, suppliers of probiotics (direct-fed microbials), and suppliers of feeds and animal health products will find this program of particular interest. The program is not restricted to ADSA members.

If you are interested in participating in this Conference, visit the ADSA DISCOVER Web site at http://www.adsa.org/discover for complete programming, registration and travel information. The registration fee is $375.00, which includes all sessions and most meals. Registrations must be received by July 31, 2000 to ensure participation.

This fourth conference will be held at Abe Martin Lodge, nestled in the 15,000 acre Brown County State Park near Nashville, Indiana. Nashville is about one hour south of Indianapolis. The park and immediate area offer registrants miles of hiking trails, lakes and golf courses, as well as pool and tennis facilities. Nashville is a popular vacation site because of the pleasant countryside, abundance of artist studios and galleries, and variety of crafts.

The DISCOVER Conference Series is coordinated by Bill Baumgardt, and supported by the ADSA Foundation and a variety of sponsors. The first DISCOVER Conference was held in June 1998. DISCOVER Conferences offer a retreat-type setting and maintain an informal format that encourages candid exchanges among scientists focusing on topics of importance in food animal agriculture. Sessions primarily are held mornings and evenings with afternoons available for discussion or recreation.

**DAIRY MARKETS OUTLOOK**

This new feature is provided courtesy of its author, Ken Bailey, Associate Professor of Dairy Markets and Policy, Penn State University

April 21, 2000

Forecast 2000 Adjusted

March milk production up 3.8 percent
Number of cows on farms continues to grow
American cheese stocks up 13.4 percent

USDA issued two important reports this week. The first was the milk production report released on Monday. It showed milk production in March for 20 major dairy states grew 3.8 percent over a year ago. It also showed the number of cows on farms continued to grow from the prior month. The second report was the cold storage report released on Thursday. It showed stocks of American cheese and total cheese as of March 31, 2000 were up 13 percent from a year ago.

Both reports had a bearish impact on market outlook. In other words, milk production continues to grow, cheese continues to stockpile, and the outlook for milk prices remains pessimistic.
March milk production in 20 major dairy states totaled 12.7 billion pounds, up 3.8 percent from a year ago. February revised production was 11.7 billion pounds, up 8.2 percent from a year ago. February milk production revised for leap year was up an adjusted 4.5 percent on a per day basis.

Production per cow in March averaged 1,634 pounds, 49 pounds above a year ago. And the number of cows on farms in 20 major dairy states was 7.77 million head, 57,000 head more than a year ago and 4,000 head more than a month ago.

So where is all this extra milk coming from? Surprisingly, just about everywhere. In the west, milk production is up as follows: California (4.5 percent), Idaho (12.7 percent), and New Mexico (11.5 percent). In the Cornbelt, Indiana was up a whopping 13.3 percent. In the Appalachian region Kentucky was up 4.0 percent and Virginia was up 4.9 percent. In the Northeast, Pennsylvania was up 4.2 percent and Vermont was up 4.3 percent.

The outlook for milk prices will continue to remain bearish (pessimistic) until the number of cows on farms, and the milk supply, begins to decline. The market will be looking for growth rates in the 2-2.5 percent rate.

In the second market report, USDA reported Thursday that stocks of American cheese as of March 31, 2000 were 530.2 million pounds, up 13.4 percent from a year ago. And stocks of total cheese were 727.3 million pounds, up 12.7 percent. Cheese stocks continue to grow month-over-month and year-over-year. Butter stocks also grew in March from the month before, totaling 97.2 million pounds. But that's 10.4 percent below a year ago. Sales of butter must have been very good the first quarter of 2000.

I re-estimated my forecast of milk prices for the remainder of 2000. Those forecasts can be tracked in tables reported at the Penn State Dairy Outlook website (www.aers.psu.edu/dairyoutlook/). I have reduced the peak Class III price from over $13 per cwt to just over $12.50 per cwt in September and October. My 2000 forecast for the average Class III price will be just $10.90 per cwt, compared to $12.43 the year before.

I would not be surprised if my forecast for the second half of the year were wrong, particularly regarding cheese prices and the Class III price. I would expect higher prices if 1) the economy continues to improve, 2) cow numbers begin to level off and decline, and 3) the summer heat and dry weather slows the growth in the milk supply.

For more information on market and federal order data, see my Penn State Dairy Outlook website at: http://www.aers.psu.edu/dairyoutlook/.

News/Professional Opportunities/Grants/Meeting Schedule

News and Notes
These news articles have been forwarded from Jack Cooper's Food Industry Environmental Network Newsletter (FIEN) electronic newsletter. For subscription information, contact:

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Food Industry Environmental Network (FIEN)  
33 Falling Creek Court; Silver Spring, Maryland 20904  
Phone: 301/384-8287 --- Fax: 301/384-8340  
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AG BIOTECHNOLOGY

Late breaking news: May 3

FDA TO STRENGTHEN PRE-MARKET REVIEW OF BIOENGINEERED FOODS

The Food and Drug Administration (FDA) announced today plans to refine its regulatory approach regarding foods derived through the use of modern biotechnology. The initiatives unveiled stem in part from input received during FDA’s public outreach meetings held late last year and build upon programs already underway at FDA to help ensure the safety of all foods.

"FDA’s scientific review continues to show that all bioengineered foods sold here in the United States today are as safe as their non-bioengineered counterparts," said Jane E. Henney, MD, Commissioner of Food and Drugs. "We believe our initiatives will provide the public with continued confidence in the safety of these foods."

FDA will publish a proposed rule mandating that developers of bioengineered foods and animal feeds notify the agency when they intend to market such products. FDA also will require that specific information be submitted to help determine whether the foods or animal feeds pose any potential safety, labeling or adulteration issues.

Although the current consultative process has worked well, and the agency believes it has been consulted on all bioengineered foods and feeds currently on the market, FDA will propose to strengthen this process by specifically requiring developers to notify the agency of their intent to market a food or animal feed from a bioengineered plant at least 120 days before marketing. After reviewing the company’s submission, FDA will issue a letter to the firm describing its conclusion about the regulatory status of the food or animal feed. To make sure that consumers also have access to product information, FDA will propose that submitted information and the agency’s conclusions be made available to the public, consistent with applicable disclosure laws, by posting them on the FDA Web site for easy viewing.

In a related step, the agency will augment its food and veterinary medicine advisory committees by adding scientists with agricultural biotechnology expertise. FDA will use these committees to address over-arching scientific questions pertaining to bioengineered foods and animal feed.
FDA also announced today plans to draft labeling guidance to assist manufacturers who wish to voluntarily label their foods being made with or without the use of bioengineered ingredients. The guidelines will help ensure that labeling is truthful and informative. To receive maximum consumer input, FDA will develop the guidelines with the use of focus groups and will seek public comment on the draft guidance.

- Biotechnology Industry Establishes "Why Biotech" (http://www.whybiotech.com) WWW Site and Launches a Multi-Year, $50 Million, Industry-Led Public Information Program Intended to Share Information about Agricultural Biotechnology with People in the United States and Canada - The program is sponsored by the Council for Biotechnology Information and includes the www site, a toll free consumer number (800 980 8660), information materials and television and print advertising - Safety information for commercial products is to be made available through the web site and a university managed web site is to be established to serve as an on-going repository of safety and environmental data from companies and other sources and which will post white papers on a variety of food safety and environmental topics - The program is intended to help people in the U.S. and Canada answer questions they may have and provide them with accurate information from a variety of industry, academic, scientific, government and third party sources. The founding members of the Council are: Aventis CropScience, BASF, Dow Chemical, DuPont, Monsanto, Novartis, Zeneca Ag Products and the Biotechnology Industry Organization - Associated with the Council are a range of other organizations and trade and industry groups that support the use of the technology and believe in its current and future benefits - A copy of the news release should be posted soon at the following BIO www site: http://www.bio.org/news/press_releases.html - A copy of the Council's brochure, "Good Ideas Are Growing," is available by calling the above toll free number or by calling 202 467 6565 - Individuals may register at the above www site to receive occasional e-mail messages from the Council on ag biotechnology issues.

ANIMAL FEED AND HEALTH

- Dioxin in Anti-caking Agents Used in Animal Feed and Feed Ingredients - FDA Center for Veterinary Medicine Announces the Availability of a Revised Guidance for Industry (Number 98), Titled: "Dioxin in Anti-caking Agents Used in Animal Feed and Feed Ingredients," which is intended to notify members of the feed industry of recent findings regarding the presence of dioxins congeners that may be present in anti-caking agents in animal feeds and to offer general advice regarding monitoring of these products - An electronic copy of the document is posted at the following FDA WWW Site: http://www.fda.gov/cvm/fda/TOCs/guideline.html - FDA Contact: Judy Gushee, Center for Veterinary Medicine at 301-827-0150; e-mail: jgushee@cvm.fda.gov - FDA April 19 Federal Register: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-9711-filed

- Human Health Safety of Antimicrobial New Animal Drugs Intended for Use in Food-Producing Animals - FDA Center for Veterinary Medicine announces plans to develop a
prototypic risk assessment (RA) model that accounts for the transfer of resistance determinants from bacteria in food-producing animals to bacteria in humans. The agency requests comments on their approach to the RA model by June 19 - The model will be applied to assess the association between the development of streptogramin (quinupristin/ dalfopristin (QD)) resistant Enterococcus faecium in humans and the use of virginiamycin in food-producing animals. The center will attempt to use the RA model to quantify the human health impact attributable both to direct acquisition of resistant E. faecium from food-producing animals and to the transfer of resistance determinants from E. faecium in food-producing animals to E. faecium in humans - An electronic copy of the draft RA is posted at the following CVM www site: http://www.fda.gov/cvm/fda/mappgs/antitoc.html - CVM Contact: Nicholas E. Weber at 301-827-6986, fax: 301-594-2298, e-mail: nweber@cvm.fda.gov - FDA April 19 Federal Register: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-9696-filed

• **Procedures for EPA and State Issuance of NPDES Permits for Concentrated Animal Feeding Operations (CAFOs)** - EPA Seeks Public Comments by May 3 on a New Information Collection Request, Titled: "Guidance Manual and Example NPDES Permit for Concentrated Animal Feeding Operations," EPA ICR Number 1937.01 - The manual provides guidance for permitting agencies regarding the development of NPDES permits for CAFOs - EPA notes that the guidance does not increase the number of CAFOs subject to permitting under the NPDES permitting program, it recommends the development of a comprehensive nutrient management plan (CNMP) as a special condition of NPDES permits issued to CAFOs - The proposed ICR covers the development of the CNMP, which includes soil and manure sampling; reporting of CNMP development to the permitting authority; and other reporting and record keeping activities that are not described in the current NPDES program guidance for CAFOs - A paper copy of the ICR is available from EPA's Sandy Farmer at (202) 260-2740; e-mail: farmer.sandy@epa.gov - An electronic copy should be available from the following EPA WWW Site: http://www.epa.gov/icr and refer to EPA ICR No. 1937.01 - Technical questions may be directed to EPA's Charlotte White at (202) 260-8559; e-mail: white.charlotte@epa.gov - EPA April 3 Federal Register: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-8153-filed

• **"Agricultural Chemical Usage: 1999 Cattle and Cattle Facilities"** - USDA Economics Research Service Issues an April 2000 Report with this Title which provides insecticide use information on the cattle sector of agriculture. Data are published separately for beef cattle and dairy cattle. All data refer to the on-farm use of chemical active ingredients contained in insecticides applied during the 1999 calendar year. Insecticides are applied to cattle and cattle facilities to control pasture and confinement flies, lice, grubs, and other pests. This report excludes pharmaceutical products that treat cattle for only internal pests.

• **Bovine Spongiform Encephalopathy in the European Union** - The EU has agreed to reinforce the epidemic surveillance of BSE in cattle by introducing a monitoring programme from 1st January 2001, through rapid post mortem tests - The Member States agreed to carry out annual monitoring programmes on a targeted sample of
animals, with a particular focus on animals which die on farms, sick animals slaughtered as emergencies and animals displaying behavioral or neurological signs - Around 65000 tests are to be carried out among the cattle population most at risk - A copy of the European Commission April 4 News Release is posted at the following EC WWW Site: http://europa.eu.int/rapid/start/cgi/guesten.ksh?p_action.gettxt=gt&doc=IP/00/333|0|RAPID&lg=EN

EXPORT ISSUES

- **Animals Intended for Export from the United States** - USDA Animal and Plant Health Inspection Service Proposes to amend the animal export regulations to allow origin health certificates issued for animals intended for export from the United States to be valid for longer than 30 days in some cases, based on the requirements of the country of destination. APHIS notes that currently, origin health certificates for animals intended for export from the United States must certify that the animals were inspected within the 30 days prior to the movement for export. They must also contain information about any tests required to be conducted prior to export. Generally, the animals are inspected and tested (or samples are taken for testing) on the same day. However, some countries require or allow testing to be conducted more than 30 days prior to the date of export. This action would allow animals to be inspected for the origin health certificate as early as the required testing or sampling may be performed, in accordance with the requirements of the country of destination - APHIS said the Agency believes this action can be allowed without increasing the risk of infected or exposed animals being exported, since all livestock leaving the United States by sea or air are inspected again by a U.S. Department of Agriculture veterinarian within 24 hours of export; and animals exported to Canada or Mexico by land are inspected by those nations prior to crossing the land border - Comments due to APHIS by June 16 - APHIS Contact: Dr. Najam Faizi, National Center for Import and Export at (301) 734-5256 - APHIS April 17 Federal Register: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-9492-filed

GRANT INFORMATION

- **USDA CSREES Clarifies and Revises the Agency's March 6 Request for Proposals in the "Initiative for Future Agriculture and Food Systems, FY 2000"** - Proposals for Research Grants are now due at CSREES by May 22 instead of May 8 - The clarifications and revisions address the Definitions of "Education Activity" and Extension Activity" and in the area of Biotechnology, the program area is clarified to note that "This program area will support research, extension, and education that addresses public questions and concerns associated with agricultural biotechnology by assessing, reducing, and developing monitoring strategies for present and anticipated risks. The program will maximize knowledge and understanding of both risks and benefits accrued to the public from products derived through biotechnology." - A new Program Sub-Area is added soliciting proposals related to "Critical and Emerging Pest Management Challenges" -
USDA Cooperative State Research, Education, and Extension Service Contact: Dr. Cynthia Huebner at (202) 401-4114; e-mail: chuebner@reeusda.gov - USDA CSREES April 4 Federal Register: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-8235-filed

- **USDA CSREES Seeks Research Grant Proposals in the Agency's the Integrated Research, Education, and Extension Competitive Grants Program--National Food Safety Initiative for fiscal year (FY) 2000** - Research grant applications are intended to support integrated, multifunctional agricultural research, extension, and education activities that address food safety priorities in United States agriculture - Approximately $14,277,000 will be available to fund proposals in FY 2000 - Proposals are being solicited in 12 component areas: (1) Qualitative and Quantitative Risk Assessments; (2) Control Measures for Food-Borne Microbial Pathogens; (3) Sources and Incidence of Microbial Pathogens; (4) Antibiotic Resistant Microbial Pathogens; (5) Improving the Safety of Fresh Fruits and Vegetables; (6) Food Handler Education and Training for Consumer and Youth; (7) Food Handler Education for High-risk and Hard-to-reach Audiences; (8) Food Handler Education for Commercial and Non-Commercial Audiences; (9) Hazard Analysis and Critical Control Points

Model Development, Testing and Implementation; and (10) Integrating Food Safety into Related Agricultural Problems. In addition, proposals are being solicited for (11) National Coordination of Integrated Food Safety Programs and Resources and a (12) National Center for Home Food Processing and Preservation - Proposals due to CSREES by June 6 - CSREES Contact: Dr. Jan Singleton; National Program Leader, Food Science and Food Safety; Plant and Animal Systems Unit at (202) 401-1954; fax: (202) 401-5179; e-mail: jsingleton@reeusda.gov - CSREES June 7 Federal Register: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-8642-filed

- **Water Quality Research Grant Proposals Sought by the USDA Cooperative State Research, Education and Extension Service (CSREES)** - About $12.4 Million in Funds are available under the Integrated Research, Education, and Extension Competitive Grants Program--Water Quality for fiscal year (FY) 2000 to support integrated, multifunctional agricultural research, extension, and education activities that address water quality priorities in United States agriculture - Grant Proposals are due at USDA by June 6 - CSREES Contacts: Dr. Timothy C. Strickland; Water Quality Chair; Natural Resources and Environment Unit at (202) 205-5952; fax: (202) 401-1706; e-mail: tstrickland@reeusda.gov or Dr. Raymond Knighton; National Program Leader; Natural Resources and Environment Unit at (202) 401-6417; fax: (202) 401-1706; e-mail: rknighton@reeusda.gov - For additional information and details, see the USDA CSREES April 7 Federal Register Notice at: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-8643-filed

- **USDA Seeks Nominations of Individuals to Serve on the Agency's National Advisory Committee on Meat and Poultry Inspection (NACMPI), which provides advice and recommendations to the Secretary of Agriculture pertaining to USDA meat and poultry inspection programs** - Nominations are sought from individuals representing producers,
processors, marketers, exporters and importers of meat and poultry products; academia; State government officials; and consumers - Nominations are due to USDA by June 30 - USDA Food Safety and Inspection Service Contact: Michael Micchelli, Evaluation and Analysis Division at 202-720-6269; fax: 202-690-1030; e-mail: michael.micchelli@usda.gov - FSIS April 14 Federal Register: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-9272-filed

- **USDA National Advisory Committee on Meat and Poultry Inspection to meet May 16 - 17 in Arlington, Virginia** - To review and discuss four issues: (1) The requested changes to the Food Safety and Inspection Service's (FSIS) Hazard Analysis and Critical Control Point (HACCP) regulations--industry petition, (2) the extension of the USDA's meat and poultry inspection program to additional species (including the use of nitrates in non-amenable species), (3) E. coli O157:H7 developments, and (4) Listeria developments. The three subcommittees of the full Committee will also meet on May 16, 2000, to continue working on issues discussed during the full Committee session - FSIS Contact: Michael N. Micchelli at (202) 720-6269; fax: (202) 720-2345; e-mail: michael.micchelli@usda.gov - Information is also available on FSIS Web Site at http://www.fsis.usda.gov/OPPPDE/nacmpi - FSIS April 14 Federal Register: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-9273-filed

- **Control of Paratuberculosis, also known as Johne's disease**, a disease caused by *Mycobacterium paratuberculosis*, which primarily affects cattle, sheep, goats, and other domestic, exotic, and wild ruminants - USDA Animal and Plant Health Inspection Service Issues a Final Rule amending its Johne's Disease Regulations regarding the interstate movement of domestic animals that have reacted to a test for paratuberculosis by replacing all references to "paratuberculosis" with references to "Johne's disease" to reflect a change in nomenclature; by identifying an official test for the detection of Johne's disease in domestic animals.; and by amending the requirements for moving animals interstate - APHIS notes that these actions are intended to update the regulations and remove restrictions on the interstate movement of animals that are positive to an official Johne's disease test that do not appear necessary to prevent the interstate spread of Johne's disease - Effective May 10 - APHIS Contact: Dr. Joseph S. VanTiem, Senior Staff Veterinarian, National Animal Health Programs, VS at (301) 734-7716 - APHIS April 10 Federal Register: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=00-8780-filed

**Upcoming Meetings**

**Other Upcoming Conferences**

American Dairy Products Institute Annual Meeting, April 30 - May 3, Chicago, IL phone: 312-782-4888

American Feed Industry Association Annual Meeting, May 1 - 3, Rosemont, IL
36th Annual Dairy Production Conference, May 2-3, Gainesville, FL Phone: 352-392-5594

2000 Mid-South Ruminant Nutrition Conference, May 18-19, Arlington, TX, Phone: 972-952-9210, e-mail: e-jordan2@tamu.edu.

Rheological Analysis of Foods Theory and Practice, May 31 - June 2, NC State Department of Food Science, Raleigh, NC, Phone: 919-513-2092

Wisconsin Cheese Grading Short Course, University of Wisconsin--Madison, Dept. of Food Science, Madison, WI, Phone: 608-263-2015;

American Society of Agricultural Engineers Annual Conference, June 9 - 12, Milwaukee WI 616-429-0300;

Institute of Food Technologists Annual Meeting 2000, June 10-14, Dallas, Texas, USA Phone 312/782-8424, Fax 312/782-8348 Internet: www.ift.org

10th World Food & Agribusiness Congress--Consumers, Technology, & Environment: Creating Opportunity and Managing Risk, Fairmont Hotel, Chicago, June 26 - 28; Phone: 979-845-2118; E-mail: iama@tamu.edu; http://www.ifama.org

Dairy Ingredient Science 2000, June 28-30, Melbourne, Victoria, Australia

Biennial Cheese Conference, August 7 - 9, Utah State University Dept. of Nutrition & Food Sciences, Logan, UT, Phone: 435-797-3466;

International Association for Food Protection 87th Annual Meeting, August 6-9, Atlanta, Georgia, USA Phone: 800.369.6337; 515.276.3344

Milk Pasteurization and Control School, August 21 - 24, University of Wisconsin--Madison, Dept. of Food Science, Madison, WI, Phone: 608-263-2007;

Beltsville Symposium XXIV: Healthy Animals 2000, September 10-12, Beltsville, Maryland, USA Telephone: (301) 504-8201 Fax: (301) 504-5306

4th Discover Conference on Food Animal Agriculture: Probiotics for Food Animals, September 10-13, Nashville, Indiana, USA phone:217-356-3182; email: adsa@assochq.org

5th International Hydrocolloids Conference, Sept. 10 - 15, NC State University, Dept. of Food Science, Raleigh, NC; phone: 919-513-2244

4th Annual Dairy Cleaning and Sanitation Short Course, Oct. 3 - 4, Cal Poly Dairy Products Technology Center, San Luis Obispo, CA; Phone: 805-756-6097
IDFT Expo 2000--International Trade Fair and Technical Seminar on Dairy & Food Technology; October 3 - 6, Pragati Maidan, New Delhi, India phone: 91-11-4633881; email: tafcon@def2.vsni.net.in web: http://www.tafcon.com

World Dairy Expo, October 4-8, 2000, Madison, Wisconsin 608-224-6455