MY ASPIRATIONS FOR ADSA

- Harold E. Swaisgood, Past President

Note: Dr. Swaisgood was unable to remain at the annual meeting in Baltimore through the annual business meeting. He has since forwarded these reflections about ADSA:

As we approach our centennial year, ADSA is at a crossroad in its history. If our evolution is carefully guided and supported by voluntary efforts of our members, we can emerge as the primary beacon for dairy science. The alternative is a slow decline in our effectiveness. Having been a member of ADSA since joining as a student in 1956, I would like to offer some of my aspirations for the society from my perspective.

Let us become the premier dairy science society, the scientific voice for the dairy industry, the source for dissemination of scientific knowledge, the focal point for worldwide interchange of ideas and informative discourse, and a wellspring for professional growth of our young scientists. In my opinion, ADSA is uniquely positioned to achieve these goals. In the coming era of genomics and proteomics the potential for modification of the proteins expressed and the identification and understanding of the relationship between protein structure and function will present the real possibility of designing milks for specific applications. And, of course, it is now well recognized that issues of food safety begin on the farm and continue all the way to the table. Hence, a competitive industry must integrate all of the technologies from genomics through production, processing, science-based improvement of existing products and development of new products.

Our fortunate historical vertical integration of all sciences and technologies related to the dairy industry endows us with an advantage that many other fields do not have. If we claim this advantage and move to develop the opportunities that it presents, we will emerge as a strong society with international dimensions to achieve the goals that I set out above. I believe we have taken some initial steps in that direction during the past year. Our website has continued to evolve as a focal point for all types of information related to ADSA and the dairy industry. The electronic communications and services that have been developed and that are continuing to be developed will extend our international dimension. Development of Discover Conferences represents another medium that we have developed for dissemination of knowledge at the frontiers of research and the ADSA Scientific Reader Series will enhance our efforts to transfer
technology to the industry. Another important function of our society is the provision of opportunities for professional growth of our young scientists. The experimental pre-meeting workshop for graduate students and industry personnel was a huge success and it is my hope that these will continue to develop in the future.

What will the future bring? In the near future, information in specific topics will be gleaned from our Journal and other public sources, organized with interpretative summaries and offered as a package to subscribers. Electronic forums on specific topics will be provided through our website. A mechanism may be developed that will allow individuals to customize their literature coverage through our website. More research summits, such as the dairy foods research summit held in Baltimore, will help us focus our research on the most significant problems facing the industry. As the fields of genomics and proteomics advance, the lines between what has been traditionally dairy production and dairy foods research will become blurred. Electronic chat rooms in specific research areas will be offered to our graduate students that will allow them to discuss their research not only with other students in similar areas in the U.S. but around the world. I sincerely believe such activities will enhance the quality of dairy science research, with ADSA at the center of information exchange.

In summary, I think the potential future of ADSA has never been brighter. If you as members will share this vision with me, we can make it happen.

ADSA Member Needs Survey

Where are we headed? You decide...

The ADSA Board and Foundation Trustees authorized creation of a member needs assessment survey at our recent meetings in Baltimore. Your responses to the online survey form will form the basis for multi-year planning, and can lead to the development of useful new member benefits. The questionnaire contains only 25 items and can be filled out and submitted in less than 15 minutes (click here for the online form). Please take the time now to weigh in with your ideas and opinions. Our goal is to have a report available to the membership in early 2001, so we need to hear from you no later than November 15. Thanks for taking the time to build a brighter future for ADSA!

Highlights from the 2000 ADSA Convention in Baltimore

Awards

Thirty ADSA members and scholars were recognized for their outstanding achievements during a memorable awards ceremony on Wednesday, July 26. Click here for a press release regarding each award, and here for a list of our generous award donors. We salute the following 2000 awardees:

- Jimmy H. Clark, University of Illinois, ADSA Award of Honor
James Lauderdale, Augusta, Michigan, ADSA Distinguished Service Award
Karen Plaut, University of Vermont, Agway Inc. Award
Arnold Hippen, South Dakota State University, Alltech, Inc. Award
Gabriella Varga, Pennsylvania State University, American Feed Industry Association Award
Ronald Horst, USDA-ARS, Ames, Iowa, Dean Foods Award
Larry Chase, Cornell University, DeLaval, Inc. Award
James Steele, University of Wisconsin, DSM Food Specialties Award
Molly Birchen, University of Illinois, Genevieve Christen Undergraduate Award
David Barbano, Cornell University, International Dairy Foods Association Award
Kwaku Agyemang, International Livestock Research Institute, Gainesville, Florida, International Dairy Production Award
Paul VanRaden, USDA, Beltsville, Maryland, J.L. Lush Award
Douglas Goff, University of Guelph, Kraft Foods Award
Vaughan Crow, New Zealand Dairy Research Institute, Marschall Rhodia International Dairy Science Award
Timothy Mackle, Dairying Research Corporation, New Zealand, National Milk Producers Federation Award
Arlyn Heinrichs, Pennsylvania State University, Nutrition Professionals Inc. Applied Dairy Research Award
Michael Akers, Virginia Tech, Pharmacia and Upjohn Physiology Award
Lane Ely, University of Georgia, Pioneer Hi-Bred Forage Award
Edward DePeters, University of California-Davis, Purina Mills Inc. Teaching Award
Ronald Erskine, Cornell University, West Agro Inc. Award
Michael Piepenbrink, Cornell University, Purina Mills Inc. Research Award
Kathryn Boor, Cornell University, ADSA Foundation Scholar
Matthew Lucy, University of Wisconsin, ADSA Foundation Scholar
Aaron Harris, Cal Poly State University, International Association of Food Industry Suppliers, Graduate Research Fellowship
Douglas Emmons, Agri-Food Canada, ADSA Fellow
Robert Jensen, University of Connecticut, ADSA Fellow
Larry Satter, USDA-ARS, Madison, Wisconsin, ADSA Fellow
Stephen Spencer, Pennsylvania State University, ADSA Fellow
Harold Swaisgood, North Carolina State University, ADSA Fellow
Jerry Young, Iowa State University, ADSA Fellow

ADSA Foundation Auction a Rollicking Success!

The eighth annual ADSA Foundation Auction returned to the site where it all began in Baltimore (at the 1993 meeting), and set a new record for participation and funds raised. Spurred on by the kilted auctioneering duo of Monty (Goo-Goo) Montgomery and Lee (Braveheart) Majeskie, the auction brought in pledges and payments totaling more than $18,000, including more than $6,500 pledged in support of the Student Quizbowl program.
A special thanks to the Foundation Auction Committee members Lee Majeskie (Chair), Darwin Braund, Ken Cummings, Monty Montgomery, George Muck, and Bill Sandine, and their able assistant, Molly Kelley. Special appreciation is also due to Bob Sellars, who donated the stunning cow/calf wood carving that served as the rallying point for the quizbowl program and will serve as a travelling trophy in future competitions.

ADSA Board Enacts Budget, Policies to Strengthen Our Organization

After two consecutive years of substantial budget deficits, the ADSA board approved a financial report on the current year and budget for 2001 that calls for...

...a modest budget surplus in the current year (2000) based on slight membership gains, strong sales of the new JDS CD archive, lower journal and publishing costs, stronger meeting fund-raising, and a reasonable return on invested reserves.

..a more substantial surplus in 2001 with no individual membership dues increase. Budget highlights include lower meeting costs, continued economy in journal production (although one genetics and breeding editor will be added) higher institutional membership fees with expanded online access for institutions, new pilot service programs for industry and students, stable administrative/program costs, and a $5,000 set aside fund (from the projected surplus) to sponsor 100th anniversary activities in 2006. For a look at the budget spreadsheet, click here.

Other board actions include...

- Approval of St. Louis as the host city for the 2004 joint ADSA/ASAS annual meeting (earlier this year Phoenix had been selected as the site of the 2003 joint meeting).
- A commitment to save at least $5,000 per year annually from any budget surplus earned towards funding special events in connection with our 100th anniversary celebration in 2006.
- Efforts to clarify journal policies regarding page fee waivers (author must be an ADSA member and in genuine financial need) and eligibility for member page charge rates (one member of authorial team must be an ADSA professional member)
- Establishment of a policy regarding annual meeting fund raising--funds raised will be used in the current year for the purposes specified by the donor; if funds for a donated event exceed costs, the excess funds will be applied to general meeting expenses unless the donor has restricted excess fund usage to a particular event/purpose at future meetings.
- Approval of a pilot study of a new electronic newsletter service for industry production and foods specialists and development of a member "talent pool" database to aid industry in recruiting new employees and consultants. Both of these programs were developed through a year-long study of industry member needs funded jointly by the ADSA and ASAS foundations. They will be piloted this fall, and if successful, will be implemented in 2001.
Introducing our New Officers

John C. Bruhn (Vice-President), Kathryn Boor (Director, Dairy Foods Division), and Gary Hartnell (Director, Production Division) began their terms as ADSA board members in Baltimore. They bring outstanding experience, judgment, and energy to their roles. To get acquainted with them by reading their professional biographies, please click here.

Last Chance to Attend Probiotics Discover Conference

Probiotics for Food Animals is the Theme of the Fourth DISCOVER Conference. Registration for the conference in Nashville, Indiana (September 10 -13) is filling up quickly. Everything you need to review the program, check out travel and lodging options, and register for the Probiotics Discover Conference is available online now. Click here to get program information you need or here to register online. Act now if you plan to attend!

News/Grants/Meeting Schedule/Volunteer Opportunities

Humane Treatment of Live Animals Used in Research, Testing, and Teaching
USDA Animal and Plant Health Inspection Service Extends the Comment Period to November 7 on the Agency's July 10 Proposed Amendments to the Animal Welfare regulations to promote the humane treatment of live animals used in research, testing, and teaching and to improve the quality of information that APHIS reports to Congress concerning animal pain and distress - APHIS is considering adding a definition for the term "distress" and to replace or modify the system used to classify animal pain and distress - APHIS Contact: Dr. Jodie Kulpa at (301) 734-7833 -APHIS August 21 Federal Register: http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&doci d=00-21173-filed

Effectiveness of New Animal Drugs
FDA Office of Information Resources Management Seeks Public Comments by October 16 on Extension of an Existing Information Collection Request, Titled: "Substantial Evidence of Effectiveness of New Animal Drugs--21 CFR Part 514," which addresses reporting requirements necessary to meet the substantial evidence standard to demonstrate the safety and effectiveness of a new animal drug - FDA Contact: Denver Presley at 301-827-1472 - FDA notes that "Substantial evidence is the standard that a sponsor must meet to demonstrate the effectiveness of a new animal drug for its intended uses under the conditions of use suggested in its proposed labeling. It is defined as evidence consisting of one or more adequate and well-controlled studies, such as a study in a target species, study in laboratory animals, field study, bioequivalence study, or an in vitro study, on the basis of which it could fairly and reasonably be concluded by qualified experts that the new animal drug will have the effect it purports or is represented to have under the conditions of use prescribed, recommended, or suggested in the labeling or proposed labeling thereof. The provisions of Sec. 514.4(a) provide the agency with greater flexibility to make case-specific scientific determinations regarding the number and types of adequate and well-controlled studies that will provide, in an efficient manner, substantial evidence that a new animal drug is effective." - FDA Contact: Denver Presley at 301-
Dioxin in the Food Supply

August 17 Environmental News Service (ENS) Report, titled: "High Levels of Dioxin Found in Ben & Jerry's Ice Cream," discusses dioxin residues in fatty foods, such as ice cream, where tested levels have been found to exceed EPA's proposed "safe" level by 200 times; EPA's dioxin risk assessment process; and Ben and Jerry's label claims on dioxin - The article notes that: "In December, the Competitive Enterprise Institute, a free market think tank, collaborated with JunkScience.com to send a complaint to the Federal Trade Commission, alleging that Ben & Jerry's message on its pint containers of vanilla ice cream amounted to false advertising, because it touts the allegedly dioxin free nature of Ben & Jerry's new 'Eco-Pint' packaging; however it totally omits the fact that the ice cream in this packaging contains significant quantities of this supposedly toxic chemical."

Anti Animal Antibiotic Use Campaign Launched by the Environmental Group, Environmental Defense

This group charges that antibiotic resistance "... is on the rise and for reasons that can be avoided! To make chicken, hogs, and other food animals grow faster, farmers serve them antibiotics along with their usual feed. The antibiotics also help prevent the diseases that can result from overcrowding and unsanitary conditions that prevail in so many factory farms. In fact, roughly one third of all antibiotics used in the US each year are fed to healthy animals - not given to sick people - at so-called 'subtherapeutic' levels below the dose needed to treat disease. This unnecessary practice gives bacteria great opportunity to evolve into forms that are immune to antibiotics, increasing the chance that the bacteria which attacks you won't be treatable by the usual means. ... Antibiotic resistance already causes thousands of deaths and more than $3 billion in extra medical expenses each year." - For details of the anti antibiotic campaign, go to the following Environmental Defense www site: http://actionnetwork.org/alert-description.tcl?alert_id=10149 The campaign is internet based allowing the organization's supporters to file their comments directly with the CDC National Center for Infectious Diseases from the Environmental Defense www site.

USDA Agricultural Outlook Report for September 2000

The report includes articles on the following topics: Field Crops: Harvested Durum Area to Be Largest Since 1982; Livestock: Hog Producers Plan Modest Expansion; Technology: On the Upswing--Online Buying & Selling of Crop Inputs, Livestock; Prices for Bumper U.S. Soybean Crop Hinge on China's Imports; Weak Prices Test U.S. Sugar Policy; Confined Animal Production Poses Manure Management Problems; Environmental Regulation & Location of Animal Production; Transportation Bottlenecks Shape U.S.-Mexico Food & Agricultural Trade; Brief reports on Field Crops; Harvested Durum Area To Be Largest Since 1982; Confined Animal Production: Estimating Excess Manure Nitrogen and Environmental Regulation & Location of Hog Production; U.S.-Mexico Trucking Provisions under NAFTA; and Mexico's President-Elect
CAST Announces Joint Leadership Project for Sustainable Agriculture Organizations and Scientific Societies

Leadership for Food System Change, a pilot project to develop leaders and organizations that will shape our food systems for the 21st Century, was launched jointly by the Council for Agricultural Science and Technology (CAST) and the Institute for Conservation Leadership (ICL). "Leaders from sustainable agriculture organizations and scientific societies will need the capacities and knowledge to build effective and collaborative organizations that are able to both adapt to and inspire new changes while guiding their organizations toward a new vision for food and agriculture." said Richard E. Stuckey, executive vice president of CAST. The leadership project will design, implement and test a process for enhancing the effectiveness of these organizations. The project received a $100,000 grant in July from the W. K. Kellogg Foundation for a national, one-year pilot program.

"We want this project to be a collaborative effort of both constituent groups, meeting the leadership and organizational needs of sustainable agriculture groups and scientific societies," noted Dianne Russell, executive director of ICL." An advisory team of science and sustainable agriculture leaders will be recruited to advise the project and plan a workshop for six to eight organizations in early spring of 2001."

Describing the purpose of the project, Stuckey said, "We see this pilot as a first step to promote a growing partnership between these two sets of organizations. Such a partnership is instrumental to shape an economically viable, environmentally sound and socially just agriculture in this country. We hope to learn a great deal from the Leadership for Food System Change pilot that will inform our future efforts together."

For more information, contact:
Barbara Rusmore, Institute for Conservation Leadership, 406-582-1838, brusmore@in-tch.com
Robert J. Ver Straeten, Council for Agricultural Science and Technology, 515-292-2125, rverstraeten@cast-science.org.

Grant Opportunities

TITLE: COORDINATED RESEARCH PROGRAM - NAAB

SPONSOR: National Association of Animal Breeders

PURPOSE: The Coordinated Research Program of the National Association of Animal Breeders (NAAB) is designed to sustain growth and improve efficiency of the AI industry by fostering research and development in Animal Breeding and Reproductive Physiology with special
emphasis on Artificial Insemination. General grants will range from $1,000 to a maximum of $15,000 per year.

DEADLINE: October 2, 2000

SUMMARY: Pre-proposals should be designed to convince the NAAB Research Committee reviewers of the importance of the project to the AI industry. A clear understanding of the project and a logical approach to completing the project should be presented.

Pre-proposals should not exceed three pages and must follow the indicated NAAB format. The text must be prepared on only one side of the page using standard size (8"x11") white paper, with no type smaller than 11 point font size regardless of whether it is single or double spaced.

The format for NAAB pre-proposals is listed below:

URL: http://alerts.sciencewise.com/swalert/fnd/opp/naab08140001.htm

POSTDOCTORAL FELLOWSHIP OPPORTUNITIES AT IFPRI

IFPRI is now accepting applications for three one-year postdoctoral fellowships for the year 2001. The fellowships are designed to generate sustained capacity to undertake food and agricultural policy research in developing countries. Applications will be accepted until October 30, 2000. For information on eligibility and application procedures, go to: http://www.ifpri.org/position/pdfellow.htm For more information, contact Suresh Babu at S.Babu@cgiar.org.

AJCC Research Foundation--2001 Competitive Research Grants

Sponsored by the American Jersey Cattle Association

The AJCC Research Foundation sponsors competitive research grants annually to fund projects addressing significant issues for the Jersey breed and Jersey milk producers. Since its inception the Foundation's competitive grants program has provided partial or full funding for worthy projects annually. Awards averaged $4,900 per project over the past five years. Priorities for 2001 research funding include:

- Nutrition of high-producing Jerseys
- actors affecting yield of products manufactured from Jersey milk;
- actors affecting net income, longevity, and lifetime profit;
- reeding plans to optimize genetic gain while maintaining genetic diversity;
- iological and economic efficiencies of Jerseys; and
- actors affecting management of Jersey calves;
POSITION VACANCY

UNIVERSITY OF WISCONSIN-MADISON

Co-Director of the Babcock Institute for International Dairy Research and Development
And
International Coordinator in the Departments of Animal Sciences & Dairy Science

The University of Wisconsin-Madison seeks one Academic Staff member to serve as both Co-Director of the Babcock Institute for International Dairy Research and Development and also as International Program Coordinator in the Departments of Animal Sciences and Dairy Science.

The Babcock Institute was established in 1991 to foster mutually beneficial ties between the U.S. dairy industry and dairy industries around the world through 1) Education and training programs; 2) World market and trade analysis; 3) Research collaboration and scientific exchange. The Institute currently has an annual budget of approximately $500,000. For further details, see the Institute's website at http://babcock.cals.wisc.edu.

The successful applicant will have training and experience in the biophysical sciences and will share Institute leadership responsibility with the other Co-Director, a senior agricultural economist. The two Co-Directors are supported by a full-time Associate Director and other staff members.

Leadership of the Babcock Institute requires (1) developing annual proposals and budgets for core funding and seeking additional project funding; (2) creating and responding to opportunities to serve the dairy industry; (3) developing and maintaining strategic partnerships with U.S. and foreign firms, cooperatives and associations as well as with state, national, and international public organizations; (4) stimulating and supporting disciplinary and interdisciplinary faculty research and teaching contributions to the Institute's mission; and (5) working with partner organizations and with the faculty and the Institute staff on research, teaching and outreach programs. The Institute is currently in a growth phase, and thus the new Co-Director will be expected to develop new funding sources and new partnerships.

The successful applicant will contribute to the Animal Sciences and Dairy Science Departments' international missions by working with faculty to (1) establish linkages with appropriate international and domestic research institutions, (2) obtain external funding, and (3) develop and help implement applied research/outreach programs; 4) develop guest lectures and course modules emphasizing international agriculture, (5) coordinate study abroad and international
internships, and (6) develop course materials for international outreach education with emphasis on distance learning and web-based materials.

A period of evaluation will be required

Degree and area of specialization: Ph.D. or M.S. in biophysical sciences required.

Minimum number of years and type of relevant work experience:
3-5 years appropriate experience in animal sciences or related disciplines required. International experience in teaching, research, or outreach concerning animal agriculture, preferably including environmental issues. Experience in interdisciplinary projects. Fluency in English is required; knowledge of at least one other language is desirable.

Appointment type: Academic Staff

Department(s): AG&LSC / INTL AG PRGS-ADM / DAIRY SCI / ANIMAL SCI

Full time salary rate: MINIMUM $50,000 ANNUAL (12 months) Depending on Qualifications.

Term: This is a renewable appointment.

Appointment percent: 100%

Anticipated begin date: NOVEMBER 01, 2000.

Number of positions: 1

To insure consideration, application must be received by: OCTOBER 01, 2000

HOW TO APPLY: Send resume, three references, and cover letter to

KENNETH H. SHAPIRO
240 AGRICULTURE HALL
1450 LINDEN DRIVE
UNIVERSITY OF WISCONSIN-MADISON
MADISON WI 53706-1562
Fax: 608?262?8852

NOTE: Unless confidentiality is requested in writing, information regarding the names of applicants must be released upon request. Finalists cannot be guaranteed confidentiality.

UW-Madison is an equal opportunity/affirmative action employer
Meetings and Conferences
DEPARTMENT OF AGRICULTURE
Food Safety and Inspection Service

National Conference on Animal Production Food Safety

AGENCY: Food Safety and Inspection Service, USDA.

ACTION: Notice of meeting.

SUMMARY: The Food Safety and Inspection Service (FSIS) is cosponsoring, with the USDA's Agriculture Research Service, the Animal Plant Health Inspection Service, the Cooperative State Research, Education and Extension Service, the Agriculture Marketing Service and the Food and Drug Administration's Center for Veterinary Medicine and Center for Food Safety and Applied Nutrition, a National Conference on Animal Production Food Safety. The meeting will be held in St. Louis, Missouri on September 6-7, 2000. The purpose of the conference will be to review the status of food safety at the food animal production level, to provide an update on industry quality assurance activities, and to review ongoing research in support of animal production food safety practices.

DATES: The meeting will be held September 6-7, 2000.

ADDRESSES: The meeting will be held at the Hyatt Regency St. Louis, One St. Louis Union Station, St. Louis, MO, (314) 231-1234 or (800) 233-1234. On September 6, the meeting time will be 8 a.m. to 5 p.m. On September 7, the meeting time will be 8 a.m. to 3:30 p.m. Submit one original and two copies of written comments to: FSIS Docket Room, Docket #00-031N, Room 102 Cotton Annex Building, 300 12th Street, SW, Washington, DC 20250-3700. All comments received in response to this notice will be considered part of the public record and will be available for viewing in the FSIS Docket Room between 8:30 a.m. and 4:30 p.m., Monday through Friday.

FOR FURTHER INFORMATION CONTACT: To register for the meeting, contact Debi Seymour, Federation of Animal Science Societies, (217) 356-3182 in Savoy, IL. If you require a sign language interpreter or other special accommodations, please notify Ms. Seymour 7 days before the meeting.

For technical information contact Mr. Dan Vitiello, Animal Production Food Safety Staff, FSIS, by Telephone (202) 690-2676, FAX (202) 720-8213, or e-mail dan.vitiello@usda.gov.

SUPPLEMENTARY INFORMATION:

Background
The Administration’s Draft Preliminary Food Safety Strategic Plan (available on www.foodsafety.gov), states that the foundation of any food safety system includes the articulation and implementation of a unified research agenda to provide the scientific knowledge needed for prevention, monitoring, surveillance, inspection, regulation, and education programs. It also suggests that there are a number of challenges to improving the scientific basis of the food safety system.

For example, it states that gaps exist in our knowledge of microbial pathogens and in our ability to measure their impact on human health. It also notes that the limited knowledge about microbial contamination hampers efforts to develop on-farm preventative controls and systems of testing.

The National Conference will review the current status of food safety at the food animal production level, provide an update on industry quality assurance activities, and review ongoing research in support of animal production food safety practices. The National Conference will provide an opportunity for discussion of (1) gaps in research to address food safety at the animal production level and (2) what additional educational efforts are needed to improve food safety at the animal production level.

Participation in the conference will be limited to available seating (approximately 250 people). The target audience for the conference includes representatives from food safety regulatory agencies, producers, animal producer organizations, veterinarians, animal scientists, agricultural educators, extension agents, researchers, consumers, and others with interest in food safety.

Upcoming Meetings

Conference website: http://www.elsevier.nl/locate/nizodairy2001
Contact: Sarah Wilkinson, NIZO Dairy Conference Secretariat Elsevier Science, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK
Tel: +44-1865-843691
Fax: +44-1865-843958
E-mail: sm.wilkinson@elsevier.co.uk

Food Safety Objectives: Public Health, HACCP and Science
4-5 December 2000
Georgetown University, Washington DC, USA
Contact: Phillipa Orme, FSO 2000 Conference Secretariat
12 Church Street, West Hanney, Wantage, Oxon OX12 0LN, UK
Other Upcoming Conferences

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

IX World Conference on Animal Production, October 26 - 31, 2003, Porto Allegre, Brazil Information is available at conference web site: www.waap.it/9thworld.htm or by contacting Leonard S. Bull, Vice President of WAAP for North America at leonard_bull@ncsu.edu.