

# *Dairy Science Department News*

*What's New?*

*Fall 1997*

## **Reorganization of the Cal Poly Dairy Science Department**

The Cal Poly Dairy Science Department and the Dairy Products Technology Center, DPTC, have been reorganized to increase collaboration, streamline efficiency, and improve communication within the Department. Under the new organizational structure, the Department and DPTC administrative offices have been consolidated into one location, the Dairy Products Technology Building, DS II. The department head and DPTC director duties have been combined into one position. The new head/director's office has been located in DS II, adjacent to the Creamery, Dairy, and DPTC, as well as the three unit supervisors' offices.

## **Honors**

Last spring **Duane Banderob**, a Dairy Science major, was selected as the outstanding student in the College of Agriculture.

The following Dairy Science students were also recognized for their academic accomplishments by making the Dean's Honors List: **Elizabeth Avila, Duane Banderob, Jeremy Banducci, Rebecca Berdine, AnnMarie Carotenuti, JoAnn Carotenuti, Melanie Dias, Tami Furtado, Ross Henderson-McBean, Monty Hoggard, Ryan Iest, Arthur Marquez, Nicolas Muniz, Sara Rose, Michelle Rouwenhorst, Kevin Swager, Robert Vevoda, Michael Zylstra.**

The following students made the Dean's List at least three of the four quarters in the 1996-97 academic year, which earned them a place on the President's Honors List: **Rebecca Berdine, JoAnn Carotenuti, Arthur Marquez, Ross Henderson-McBean, Michelle Rouwenhorst.**

## **Student Activities**

Cal Poly's Dairy Club was well represented at the national ADSA meetings held last summer in Guelph, Canada. **Brian Christiansen** and **Ross Henderson-McBean** served as delegates to the Student Affiliate meetings. Ross received second place in the scientific presentation contest for his talk entitled, "Innovative approaches to the utilization of whey proteins." Dairy Club also received first place honors in the chapter yearbook contest (three times in seven years!). Membership in the Dairy Club (94 so far) is still rising, as President **Sheri Fromlath** and her officer team are organizing a full calendar of activities. Judging teams have been very successful this fall, with the Dairy Products team capturing first place at the midwestern regionals, and third place at the national products judging contest in Chicago. Congratulations to **Michelle Gibbs, Christine and Kamala Oliveira**, and coach Dr. **Will Gillis**. The Dairy Cattle judging teams with their coach Dr. **Stan Henderson** placed first at the North American International Livestock Expo in Louisville (**Leon Hath, Rebecca Seifert, Gary Cheda, and James Davis**) and placed fifth in the national contest this year (**Elizabeth Avila, Tara Lewis, Tim Perry, and Aaron Gasper**).

*How's It Been Going?*

## **Student Enrollment**

Enrollment for the Fall Quarter increased to 129 undergraduate and 18 graduate students. The SAT and GPA scores of incoming freshman Dairy Science majors are continuing to improve. We are always recruiting good students for the program, so please contact the Dairy Science Department if you are aware of a potential student.

## Cal Poly Dairy Processing Plant

The processing plant at Poly has been closed for the past two quarters in order to accommodate some processing changes on the raw fortification and ice cream formulation side. Statco Engineering is making the changes, and it is expected that the plant will be in full operation by spring quarter.

In addition, Mr. **Frank Lyons** has been hired as the equipment technician for the Dairy Science Department. Frank's many years of experience with Danish Creamery and his expertise within the area of equipment engineering and maintenance will be a great benefit to the dairy, the processing plant and research facility.

## Dairy Farm

Current herd averages for the Holstein herd: 27,337M, 974F, and 919P; and for the Jersey herd: 18,397M, 812F, and 718P; with 177 milking cows in both breeds. Recent classification brings the total number of Excellent Jersey cows to 13, with 67 Very Good.

With the organizing help of **Doug, Steve, and Pat Maddox** and others, 24 heifers were donated to the Cal Poly Dairy. These heifers are being used for an enterprise project which will add to the herd numbers and student experiences. These heifers are being used as embryo recipients with students getting the opportunity to transfer frozen embryos. Many thanks to our supporters at these dairies: A.F. Mendes & Sons, Big De, Bottasso, Central Valley Breeders, E.F. Mendes, Jerry Habib, John DeGroot & Sons, John deJong, Macy-L Holsteins, Maddox, Massaro, Monteiro Brothers, Mt. Whitney, N. Gropetti & Sons, Oliveira, Palla Rosa, Quist, Semas, Sweet Haven, Tony DeGroot, Whitney Oaks, Zonneveld.

## Alumni Happenings

**Sandra and Mal Machado**, graduated 1991, married 1992, two children, moved to New Mexico to start a dairy in 1993, milking 800 head at the Maldra-Mac Dairy in Hereford, Texas. **Paul Plummer** (1936) no longer in dairying; working as a volunteer for the San Bernardino County Sheriffs Department. **Jim and Lucy Mendoza** (1968, 1970) are partners in JLT Dairy Ranch, Petaluma. Son, **J.V.**, 1995 Cal Poly AgBusiness grad; daughter, **Teresa**, CP Dairy Science senior and Panhellenic President; son **Jamie** working in Sacramento. **Aline Biscaichipy** (1996), working for Veterinarians Outlet serving dairymen in the San Joaquin Valley. **Carl Carlson Jr.** (1967) appointed as a trustee of the Parker Ranch Foundation Trust in Hawaii in 1994, which has the fourth largest cow herd in the USA and over 50,000 beef cattle. **James Garofalo** (1986) promoted to sales rep for AgSource DHI Services.

### *Thank you*

*We wish we had the space here to thank all of the individuals and corporations that have given the Dairy Science Department their generous support. Everyone working together makes possible many program enhancements that benefit Dairy students and the dairy industry now and in the future. We were moved by the many contributions to the Tyler Hammond III Memorial Endowment Fund from many different majors on campus as well as many friends in the community.*

### *Research, Outreach, and Education Activities*

What does a team of 18 MS graduate students, 10 senior project students, 5 faculty researchers, 4 research staff, 4 visiting scientists, 2 administrative staff, and a new director have in common? Answer: work on a wide array of applied and strategic projects which impact on the dairy industry today and in the future. Some current projects target enhancing the ability of California dairy foods to compete in the global marketplace (e.g., what is the functionality of California skim milk powder relative to New Zealand skim milk powder?), improving the quality and/or cost competitiveness of dairy products produced in California and throughout the United States (e.g., lowfat cheese flavor and texture), taking advantage of new technology to introduce new dairy foods (e.g., patented Cal Poly process for no-melt cheese technology), capitalizing on

consumer interest in more healthy dairy foods (e.g., identification and characterization of lactic acid bacteria with probiotic potential in cultured dairy foods).

CAL POLY DPTC IS ON THE WEB! Check out <http://www.calpoly.edu/~dptc> if you are an internet surfer. This site will give you additional information on our programs, research projects, staff, students, etc. In addition, there are valuable links to other related useful internet sites. Ultimately, these program activities strengthen the needed infrastructure (equipment, personnel, facilities) to improve Cal Poly's undergraduate and graduate teaching programs. Students receive direct hands-on training (problem identification, experimental design, data collection and analysis, oral and written results communication) to address identified problems facing the dairy foods industry and related industries.

Please contact us for information on any program activity or availability of graduating students.

In addition to the research activities, the group conducts several industry education programs, special projects, and develops other communications materials. In 1998, Cheese I short course, Cheese II short course, Frozen Desserts Manufacturing short course, and a Milk Processing short course will be offered. In addition, a Concentrated and Dry Milk and Whey Products Symposium being organized by DPTC will be held in San Francisco, March 30-31, 1998. For further program or registration information about any of our outreach activities, contact **Laurie Jacobson** by phone at 805/756-6097, email [ljacobso@calpoly.edu](mailto:ljacobso@calpoly.edu); or **Phil Tong** at 805/756-6102, email [ptong@calpoly.edu](mailto:ptong@calpoly.edu).

**International Dairy Short Courses** – February 2-13 and July 13-24 are the dates for the seven-day dairy training, practical experience, and three-day study tour of the California dairy industry. For more information contact **Les Ferreira** at the Department numbers, or email [lsferrei@calpoly.edu](mailto:lsferrei@calpoly.edu).

*marriages – children – families – farms – jobs* **YOUR NEWS** *honors – achievements – deaths – news*

Name \_\_\_\_\_ Graduation Year \_\_\_\_\_

*Send us your news for publication in the Spring Newsletter.*

*If you talk to any alumni or friends who did not receive this newsletter, we'll be happy to include them on our mailing list if we can get their addresses. We have, unfortunately, lost track of some people over the years. Address updates are appreciated.*

*Dairy Science Department, CAL POLY, San Luis Obispo, CA 93407*  
**phone 805/756-2560; fax 805/756-6667;**  
**<http://www.calpoly.edu/~dsci/index.html>**

*Upcoming Events:*

*Banquet* – Saturday, April 18 is the date of the Dairy Science Banquet – **everyone** is invited. If you don't receive your invitation in the mail in January, call us at 805/756-2560.

*Poly Open House* – (formerly Poly Royal) Friday and Saturday, April 17 and 18, 1998.

*Graduation* – Saturday, June 13, 1998. College of Agriculture commencement begins at 1:30.