

1987

## SDSU Dairy Digest

South Dakota State University Dairy Club

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# SDSU Dairy Digest

Volume 5, August 1987

Published annually by the South Dakota State University Dairy Club

## ***SDSU Selected to Participate in Dairy Research Center***

The South Dakota State University Dairy Science Department and the Department of Food Science and Nutrition at the University of Minnesota have been jointly selected as one of six Dairy Foods Research Centers. The Center will be established in existing facilities on the two campuses, according to Dr. John Parsons, Head of the SDSU Dairy Science Department.

SDSU and 11 other colleges nationwide were selected to participate in the dairy research program. Thirty-two universities had submitted proposals for the projects. All but one of the centers chosen submitted joint proposals with neighboring universities.

"It will mean more dollars to emphasis product research and purchase equipment on our campus," Parsons said. Funding for the center comes one-third from the National Dairy Board, one-third from matching SDSU funds provided by the Agricultural Experiment Station and one-third from the dairy industry and a national checkoff program.

Parsons said the University of Minnesota was an excellent university to combine efforts with because of its strong biotechnology in starter cultures and because SDSU has a strong undergraduate teaching program. "We had a very strong proposal," Parsons said about the combined efforts of SDSU and the U of Minnesota.

Once an advisory board for the center is organized, the two universities will divide responsibilities for research based on the equipment and background of the staff at each college, Parsons said. He said the research money is expected to be given to SDSU by January 1, 1988. It

will support ongoing research within each university.

Parsons, director of the SDSU branch, and four other SDSU faculty members will be conducting the research including: Dr. R.J. Baer, Dr. V.V. Mistry, Dr. G.S. Torrey and Shirley Seas.

Parsons, said he expects some of the areas to be studied to include concentrating milk before cheese making, new

starter cultures for cheese making, ice cream and frozen dessert sweetening agents and treatment of raw milk with carbon dioxide to prevent spoilage.

Money from the research program cannot be used to support faculty salaries, Parsons said. However, technicians, undergraduate, graduate and post-doctorate students may be added to assist with the research.

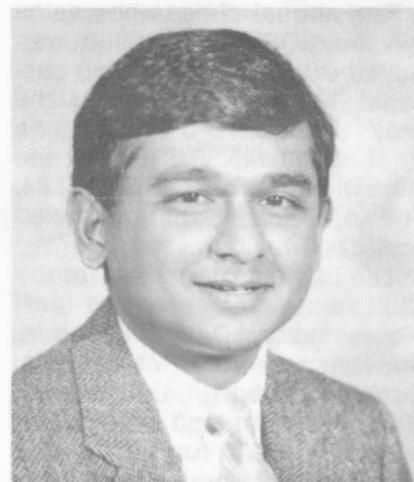
## **New Faculty Member**

The Dairy Science Department welcomed a new member to its faculty staff in October 1986, Dr. Vikram Mistry. Dr. Mistry is a native of Ahmedabad, India and has filled in the vacancy created by the retirement of Dr. Ken Spurgeon.

Dr. Mistry attended primary and high school in Nairobi, Kenya, where he resided with his family until 1975. In 1975 he returned to India and enrolled as a Dairy Technology major at the Gujarat Agricultural University in Anand, India. He received his Bachelors degree in 1979 and in Fall 1979 was accepted as a graduate student by the Department of Food Science at Cornell University in Ithaca, New York.

He received his Masters degree with a major in dairy science and a minor in microbiology in January 1982 and his Ph.D. in June 1986, with a major in dairy science and minors in microbiology and chemical engineering. Upon receiving his Ph.D. he accepted a Post Doctorate position, also at Cornell University, and continued in that capacity until September 1986.

On October 1, 1986, Dr. Mistry joined the Dairy Science faculty at SDSU, with 70 percent research and 30 percent



**Dr. Vikram Mistry**

teaching duties. He will be teaching Technical Control of Dairy Products I every fall and parts of Dairy Products Processing I and II in Fall and Spring of alternate years. His research emphasis will be on ultrafiltration and cheese technology. He commented that he accepted the position at SDSU because of the Dairy Science Department's excellent reputation and past accomplishments.

Dr. Mistry, his wife Harsha and newly arrived baby girl (Abha) presently reside in Brookings. The Dairy Department is extremely happy to have Dr. Mistry here and wishes him the best of luck at SDSU.

## Presidents Hello

Another year of hard work and fun has concluded for the Dairy Club. 1986-87 has been a very good year for the club, as old activities as well as new expanded activities have been successfully carried out by the club. The 1987-88 year looks even more challenging for the club, as we are hosting the Midwest American Dairy Science Assoc. convention in February 1988 along with several other major projects. In concluding I'd like to thank all the alumni and faculty as well as the present club members for making this year such a successful one!

Joe Metzger  
Dairy Club President

## Cheese Box Sales

The annual cheese box sales for the SDSU Dairy Club was pulled off with outstanding success! The Club increased the gross sales of 1985 by 32% for a total of \$13,145.36. That left the Club a net profit of \$2,442.34. The net profit was increased from the previous year by 57%.

The biggest fundraiser for the Club was co-chaired by Jeff Hermeling and Doug Blackstein. Supervisors were Matt Davis, Denise Faaborg, Ed Howell, Gene Stegman, and Brad Swart.

An excellent turnout by the members in working nights to put the cheese boxes together was the key to this year's success. We had only one slight setback, and that was running short on certain kinds of cheese. Cheese spread was a hot item in the boxes this year, as well as Swiss, Mild Cheddar, and Monterey Jack.

The Club has good reason to be both satisfied and happy but realizes that net profits have been as high as \$2,604.90 in 1980, \$2,763.00 in 1977, and \$2,820.95 in 1976, and the largest profit that was attained was in 1981, \$3,749.82. After reviewing these figures the SDSU Dairy Club has a new goal for 1987. That being the highest net profit ever! Good Luck in 1987!

## REGIONAL ADSA



Twenty-six Dairy Clubber's traveled eight-plus hours to Madison, Wisconsin for the 1987 A.D.S.A. Midwest Regional Meeting. Among those attending were Keven Bucklin, Matt Davis, Brad Swart, Joe Metzger, Kurt Metzger, John Popkes, Dave Springman, Jeff Oyen, Steve Swift, Tom Neuberger, Paul Miller, Gene Stegeman, Tim Hesby, Tony Shumaker, Russell Buseman, Doug Dorn, Jim Moore, Fred Timp, Jeff Hermeling, Dave Jobe, Shari Levendoski, Tracey Larsen, Denise Faaborg, Rhonda Hojer, Janel Christensen, and Chad Pravechek. Former members Suzanne Petik and Gale Hojer both traveled to Madison to share in some of the fun.

Joe Metzger was nominated as President for 1987-88, and Tracey Larsen were nominated for Vice President. Both were

beaten in a tie-breaker ballot in their respective races. Matt Davis and Jim Moore were both nominated for Secretary-Treasurer. Davis won that election. South Dakota State University won the bid to host the event in 1988. It will take place the third weekend in February. Joe Metzger was appointed by the new Regional ADSA Officers to be the Executive Director on the Executive Council of the Midwest ADSA 1988 annual meeting.

Fun and excitement was had by all and everyone is looking forward to next year. With hard work and lots of help, it could be one of the best yet! We'll hope for a 100% turnout, but some schools are just too far away so we'll have to work on them for the next few months and get as many as possible to attend.

## Dairy Club Spring Fling

The Dairy Club's annual spring picnic was held on Friday, April 24, 1987 at 6:00 p.m. The picnic was organized by Joe Metzger, Jim Moore, Fred Timp, and Dave Jobe. These men put together an excellent meal. The meal consisted of barbecued pork loins, baked beans, macaroni salad, chips, buns, and refreshments.

After the meal the annual softball game took place between the Manufacturing and Production teams. This year the game was very close with no real "blow out," however Manufacturing still won.

The members of the Dairy Club would like to thank Cheryl Grong for preparing the beans and salad. Thanks!!!

## SDSU Dairy Products Judging Team

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It was another successful year for the South Dakota State University Dairy Products Judging Team. This year team members included Barbara Pies, Suzanne Petik, Denise Faaborg, and alternates were Keven Bucklin, Gale Hojer, and Joe Metzger. The Regional Contest this year was held in Chicago, Illinois. The entire team traveled down there by van along with the team coach, Shirley Seas. Each year SDSU competes at the regional contest before moving on to the National Contest. This year the SDSU products team placed third overall at the regional contest, but also learned some valuable information to prepare for the national contest in Washington, D.C.

Those attending the national contest were Barbara Pies, Suzanne Petik, Denise Faaborg and alternate Keven Bucklin. At the National Contest this year, SDSU finished fifth overall out of the 22 teams which participated. There was some excellent judging done by all members of the team this year. Individually, Barb Pies finished first overall in the Nation in her favorite product, butter. Her other placings were: 3rd yogurt, 21st cottage cheese, 36th ice cream, 53rd cheddar cheese, and 11th milk. Barb had a strong finish and ended up placing 14th overall out of the 66 contestants. The next team member



**1986 South Dakota State University Dairy Products Judging Team (Left to Right) Keven Bucklin, Suzanne Petik, Barbara Pies, Denise Faaborg and Coach Shirley Seas.**

was Denise Faaborg who finished up 11th overall in the nation and had individual national rankings as follows: 5th yogurt, 11th cottage cheese, 42nd ice cream, 30th cheddar cheese, 16th milk, and 4th in butter. Our last team member was Suzanne Petik who ended up 17th overall in the nation and had individual national rankings as shown: 41st yogurt, 14th cottage cheese, 16th ice cream, 7th cheddar cheese, 47th milk and 17th in butter.

As a team, the effort was excellent from each member. Some long hours are put into a judging team, but it is all well worth it. All team members would like to send out a special

thank-you to coach Shirley Seas for the time, energy and patience he contributed to the group. Without his knowledge and contributions to the team it never would have gone as far as it did. Also a thank-you going out to Paul Thrash for all of his help.

This wraps up another exciting year for the SDSU Dairy Products Team for 1986-87. Last year SDSU lost the Butter Cup, but retained it again this year. Overall National team rankings for each product are: Butter 1st, Yogurt 4th, Cottage Cheese 4th, Ice Cream 11th, Cheddar Cheese 8th, and Milk 7th, for an overall final rank of 5th place. Good Job!

## Little International Showmen "Udderly" Superior

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Members of the SDSU Dairy Club took top honors at the 64th annual Little International March 27-28. A SDSU dairy graduate, Fred Tidemann, judged the skills of the participants in both fitting and showmanship.

Top honors in fitting went to Darrel Rennich, Champion; and Michelle Rook, Reserve Champion. Champion showman was Tim Skaar with Darrel Rennich taking reserve. Darrel went on to win the All-Around Showmanship award. Shari Levendowski

was the winner of the Ladies Tractor Driving competition.

Participants in the dairy division included: Tracey Larsen, Tim Skaar, Darrel Rennich, Brian Haake, Marla Grulke, Daniel Hinrichs, Janel Christenson, Bruce Pederson, Lori Zimmerman, Barbara Pies, Shari Levendoski, Linda Chapman, Susan Chapman, Joey Effling, Michelle Rook, Cathy Wolles, John Kiefer and Pennie Blum.

Dairy Club members that served on Little International staff were Dairy Superintendent-

Denise Faaborg; Assistant Dairy Superintendent-Doug Ruble; Alumni Relations Superintendent-Michelle Rook and Decorations Superintendent-Sean Groos.

The SDSU Dairy Club had a booth at Little I promoting our activities throughout the year. Congratulations to all the Dairy Club members on a successful Little I.

Michelle Rook

Dairy Club Staff Reporter

## Graduating Seniors of 1987

**Steven T. Bacon** from Northville, SD. graduated in May with a Dairy Manufacturing Degree and will be working for Gold Bond Inc. in Henderson, NV.

**Ken T. Baumberger** from Colton, SD. graduated in May from the College of Ag with a Dairy Manufacturing Degree.

**Steve V. Beare** from Milbank, SD. graduated in May with a Dairy Manufacturing from the College of Ag.

**Doug L. Blacksten** graduated in December with a Dairy Manufacturing Degree and he is now working for General Mills/Vroman Foods of Toledo, OH. Doug is originally from Mitchell, SD.

**Keven W. Bucklin** originally from Sisseton, will be making his new home in New Ulm, MN. Keven, past Dairy Club President, graduated in May with a degree in Dairy Manufacturing.

**Keith A. Christians**, a December graduate in both Dairy Manufacturing and Dairy Production is now working for Dakota Cheese, in Mitchell, SD. Keith is originally from Twin Brooks, SD.

**Mike D. Dunteman** from Balaton, MN graduated in May with a Dairy Manufacturing Degree. Mike will be working for Gold Bond Inc. in Green Bay, WI.

**Denise J. Faaborg**, a Dairy Manufacturing Major, graduated in May, and will be working for Kraft Inc. of Champaign, IL. Denise is originally from Tyler, MN.

**Steven L. Groon** is a Dairy Production Major from Arlington, SD. Steve plans to go home and farm at Arlington after his graduation in May.

**Jeffery P. Hermeling** a May graduate, from Fulda, MN, is a Dairy Manufacturing Major. Jeff will be working for Kroger Dairy of Indianapolis, Indiana.

**Monte L. Hilmoe** from Baltic, SD. graduated in May with a degree in Dairy Manufacturing. Monte will be working for Gold Bond Inc. of Hagerstown, MD.

**Gale Hojer** a December graduate from Oldham, SD. is presently working for Kroger Dairy in Indianapolis, Indiana. Gale is a Dairy Manufacturing Major.

**Edward N. Howell** is from Sioux Falls, SD. and is a May graduate in Dairy Manufacturing. Ed will be working for Mid America, in Fergus Falls, MN.

**David W. Jobe** is a May graduate who will be residing in Henderson, NV. Dave will be working for Gold Bond Inc. He is originally from New Ulm, MN.

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## Hobo Day Participation

This year the Dairy Club decided to enter a float in the Hobo Day Parade and after much thought and consideration it was decided what to enter. The float didn't float though, it walked on four legs and hooves. Yes, the Dairy Club entered a living, breathing Holstein dairy cow, courtesy of the SDSU Dairy Farm.

The cow was slightly made up with a straw hat and bow but not so much to hide it's natural beauty. The same is not true of the people that lead the cow through the parade route (who

were also on the committee that arranged everything). The costumes ranged from the traditional hobo outfit to a green monster with pajamas.

The cow was well behaved through the parade route and the only problems were its natural habits and running out of balloons or stickers for the kids. Also along the parade route there was a little act that the committee members put together. Periodically they would stop the cow and everyone would gather around to pretend to milk the cow in a

bucket. Prior to this the bucket had been filled with confetti. After the milking was complete the bucket was emptied on the unsuspecting crowd.

In all the parade was a success, and the Dairy Club received a lot of compliments on their entry.

The committee members (which consists of Jim Moore, John Popkes, Curt Metzger, Joe Metzger, Tracey Larsen, Keven Bucklin, Tony Shumaker, Shari Levendoski, Brad Swart, Steve Bacon, and Jeff Hermeling) can give themselves a pat on the back for a job well done!

**Todd A. Koerner** is originally from Marion, SD. Todd is a May graduate in Dairy Production. He will be putting his degree to use when he goes home to farm.

**Michael W. Laddusaw** is a December graduate in Dairy Manufacturing from Sioux Falls, SD. Mike is presently working for Meadowvale Dairy in Yorkville, IL.

**Steven P. Lias** is originally from Humboldt, SD. He received two degrees in Dairy Manufacturing and Dairy Production. Steve will be going home to work with E.T.'s on his farm.

**Ronald L. Munneke** is a May graduate in Dairy Production. He is originally from Platte, SD. Ron will be attending SDSU again next fall, as he will be entering the Graduate Program.

**Tim Naasz**, is a May Graduate from Alexandria, SD. Tim graduated in Dairy Production and plans to go home and farm after college.

**Donald M. Nelson** a May graduate from Centerville, SD. received his degree in Dairy Manufacturing. Donald will be working AMPI, in Sulfur Springs, TX.

**Jeffrey R. Oyen** of Crooks, SD. graduate in May with a Degree in Dairy Manufacturing and will be working for AMPI of Hillsboro, KS.

**Suzanne J. Petik** is a December graduate in Dairy Manufacturing. She is originally from Keldron, SD. but now makes her new home in Beaver Dam, WI. working for Kraft Inc.

**Eric N. Sundstrom** a May graduate originally from Maple Valley, WA plans to start his new home in Phoenix, AZ. He will be working for the Carnation Co. He is a Dairy Manufacturing Major.

**Bradley D. Swart** is originally from Renville, MN. He graduated in May with a Dairy Manufacturing Degree and will be working for the Gold Bond Inc. in Sikeston, MO.

**Michael C. Vipond** is a December graduate in Dairy Manufacturing who is originally from Hudson, SD. Mike is now working for Kroger Dairy of Indianapolis, IN.

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## A Successful Spring Awards Banquet

This year the SDSU Dairy Club held their Spring Awards Banquet at the Holiday Inn on Tuesday, April 7 at 6:30 p.m. There were approximately 200 people present to enjoy the evening. The Banquet started with opening remarks by past President Keven Bucklin followed by the invocation and meal served by the Holiday Inn kitchen. The tasty meal consisted of sliced roast beef, chicken, mashed potatoes and gravy, vegetable mix a variety of salads, fresh buns and butter, milk, coffee and ice cream for dessert. Following the meal, the

banquet continued with the presentation of awards and scholarships. There were many representatives present to present the approximate \$24,000 in scholarships, to the Dairy Manufacturing and Dairy Production students.

That night the Dairy Club's Scholarship of \$500 was awarded to Tracey Larsen of Arlington, S.D. a Dairy Manufacturing and Dairy Production major. The SDSU Dairy Club also presented Cheryl Grong, a Dairy Department Staff Secretary, with a "Special Thank You Plaque" for all her hard work she does for

the Club.

The two judging teams were awarded their plaques by their respective coaches, Howard Voelker, and Shirley Seas. The two teams also were given a chance to present their coaches with gifts, Howard Voelker receiving a gift certificate and Shirley Seas receiving a gold plated putter.

The members of the Dairy Club would like to extend a Big Thank You to those people and companies who provided the scholarships to the student recipients.

## The 1986 Dairy Cattle Judging Team

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**1986 South Dakota State University Dairy Cattle Judging Team. Back Row (Left to Right) John R. Gross (Assistant), G. Douglas Ruble, Charles Derald, Brian Heim. Front Row (Left to Right) Shari Levendoski, Howard Voelker (Coach), Tracey Larsen.**

The SDSU Dairy Cattle Judging Team completed another thrilling year. Team members included: Shari Levendoski, Tracey Larsen, Doug Ruble, Chuck Derald, and Brian Heim, coached by Howard Voelker, and assisted by John R. Gross.

The Midwest Regional competition took place at Waterloo, Iowa. The team placed seventh overall, taking first in Guerneys and fifth in Milking Shorthorns. Individual awards went to Shari Levendoski, placing fourth

overall in the contest.

The team also competed among 30 teams at the National Collegiate Contest in Madison, Wisconsin during the World Dairy Expo. The team placed sixteenth overall throughout the contest.

The alternates who also attended the contests were Brian Heim, Philip Wirth, Darrel Rennich, Chuck Derald and Lowell Kruse. The Team of 1986 thanks their coach, Howard Voelker and wishes the team of 1987 the best of luck.

## Christmas Banquet

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The 1986 Christmas banquet was pulled off without a hitch! President Keven Bucklin welcomed members of the Dairy Club, our teachers, their staff and spouses to the annual event held this year at the Holiday Inn in Brookings.

The purpose of the Christmas banquet is to gather in the tradition of the season to show the Dairy Club's appreciation of the Dairy Department's employees and to bring us all together before the parting of the season and we all go home to be with our families.

The Holiday Inn served an

excellent meal, consisting of roast beef, chicken, mashed potatoes, corn, salad, and all of the trimmings. The food was superb, spirits were high with laughter and conversation being abundant. The highlight of the banquet was Doug Blackstein, 1985-86 Club Historian, narrating his unprecedented slide show, which was enjoyed by all!

Along with President Bucklin and Historian Blacksten at the head table was Historian Tracey Larsen, Vice-President Denise Faaborg, Secretary Joe Metzger, Doug's fiancée, Joleen Hanson, and Treasurer Paul Thrash.

## Retiring Old and Electing New Officers

Officer-elections were held again at the January meeting of the Dairy Club. President Keven Bucklin passed on the gavel to former Secretary, now President Joe Metzger. Former Vice-President Denise Faaborg explains her duties to incoming Vice-President Matt Davis. Gene Stegeman has taken off with his new position of the Club's Secretary. Ex-Historian Tracey Larsen is now Treasurer of the Club. Also welcomed to the list of new officers are Historian Shari Levendoski and Historian Jim Moore.

President (1986) Keven Bucklin hosted a party in honor of both the old and new officers at the Staurolite Inn. He thanked the old officers for all their help and wished the new officers good luck, stressing his confidence that "the tradition of the Dairy Club's hard-working and success will continue through the next year and beyond."

President Metzger went on the record to say, "Thank you to President Bucklin for all his help, hard-work, and advice in the past and especially in helping to show the new officers what is expected and needed and most importantly, how to do it effectively, in the future."

## Fall Dairy Club Picnic

This year's Dairy Club picnic which was held on September 18, 1986 at the 4-H building was a success, despite the rainy weather. About 85 members and interested persons showed up. The members and prospective members had lunch and refreshments together to get to know each other.

Organizers of this year's picnic were: Keven Bucklin, Denise Faaborg, Doug Blacksten, Tracey Larsen, Cheryl Grong, Paul Thrash, and Shirley Seas, and Paul Thrash.

The total expenses for the food, refreshments, and building rent were \$181.42.

## New Dairy Club Advisor

Dr. Bob Baer a native of New Hyde Park, Long Island, New York, received his A.A.S. degree from the State University of New York, Farmingdale, where he majored in animal science. Next, he studied at the University of Georgia, Athens, where he received his B.S.A., M.S., and Ph.D. degrees. His doctoral study concerned the development of methods for the analyses of dairy products, with special emphasis on near infrared reflectance (NIR) instrumentation.

In November of 1982 he joined the Dairy Science Department faculty at S.D.S.U. Dr. Baer is

currently teaching dairy chemistry, fluid milk and ice cream courses, and a graduate course in laboratory techniques. His current research includes the areas of: increasing cheddar cheese yields, milk composition, quality of frozen desserts, effect of feeding dairy cows additional fat sources on dairy product composition, and a new project on bovine growth hormone. In addition to being the Dairy Club advisor, he is an academic advisor for undergraduate and graduate students. Dr. Baer was recently promoted from Assistant Professor to Associate Professor of Dairy Science.

## AG-BIO CAREERS DAY

The College of Agriculture and Biological Sciences sponsored the 9th annual Ag-Bio Career Day on October 21, 1986. It was held from 9:00 a.m. to 3:00 p.m. in the Volstorff Ballroom on the campus of SDSU.

Over 30 agriculture and biological science related industries and government agencies were represented. In one of our areas of study, Dairy Manufacturing; Kraft, Inc.; Land O' Lakes, and Carnation were among some of the companies represented that were here to discuss career possibilities with anyone seeking information on prospective jobs.

The SDSU Dairy Club once again set a booth up. Along with the Club photo album and 1985-86 yearbook, cheese cubes were a hot item for those who attended. The display was used to promote our Clubs activities and to attract prospective new members, along with letting companies know about us.

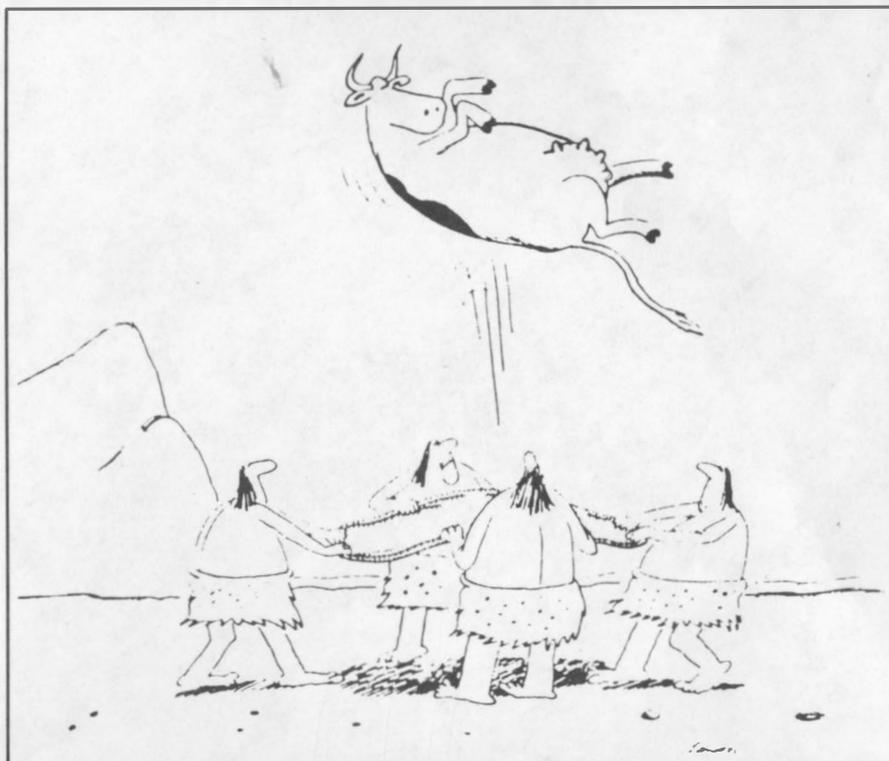
Two seminars, "Dress For Success" and "Getting A Job" were held in a separate room for anyone interested in tips for securing a job.

The Dairy Club Booth Committee was chaired by Secretary, Joe Metzger. Working with him were Jeff Hermeling, Dave Jobe, Doug Blacksten, Kurt Metzger, Mark Burkhard, Tracey Larsen, Gale Hojer, Matt Davis, and Jim Moore.

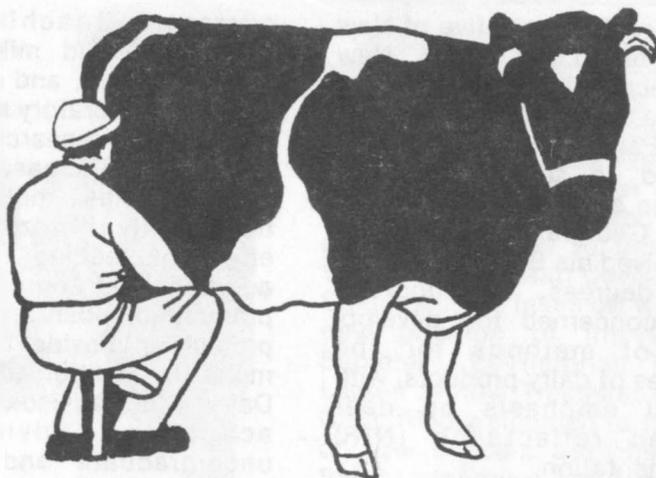
## NATIONAL

## ADSA MEETING

This past summer four Dairy Club members took a little trip to Davis, California. Todd Skaar, John Gross, Denise Faaborg, and Sheila Schemm were the members who attended the National ADSA meetings at the University of California at Davis. During their stay at Davis, these members attended meetings and paper presentations as well as participated in some recreational and social activities. This year there were no papers given by any of the SDSU Dairy Club members. The SDSU Dairy Club brought back ninth place in the National Outstanding Club of the year contest. Everyone who went on the trip had a great time, gained a lot of valuable experience, and saw a lot of beautiful sights along the way.



Early attempts at the milkshake



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