

Student teams recognized for national wins

President Warren J. Baker hosted a spring reception honoring the following Cal Poly student teams for their national championships:

- **Dairy science students** — first place in the 1997 North American International Livestock Exposition Dairy Cattle Judging Contest in Louisville, Ky.
- The **Cal Poly Intercollegiate Horse Judging Team** — champion team at the National Reining Horse Association Intercollegiate Horse Judging Contest in Oklahoma City.
- The **Cal Poly Landscape Team** — first place for the 10th time in 12 years at the annual Associated Landscape Contractors of America Collegiate Competition at North Carolina State University.
- Five **agribusiness students** — top honors in the National Agri-Marketing Association's student competition in Dallas, Texas, for their Bugs Bunny-logo marketing proposal to a produce company.

- The **Human Powered Vehicle Club** — first in two categories, third in another in a national competition sponsored in Denver by the American Society of Mechanical Engineers.
- Eight **aeronautical engineering students** — first place in the American Institute of Aeronautics and Astronautics Lockheed Martin Undergraduate Team Aircraft Design Competition (see feature in spring '98 Cal Poly Magazine).

- The **Society of Women Engineers Team Tech Competition Team** — first place for an improved guitar fret design.
- **Civil and environmental engineering students** — overall championship for the fourth consecutive year at the 1998 American Society of Civil Engineers Regional Student Chapter Conference; first place in surveying, technical paper/presentation, impromptu design, and volleyball.
- **Cal Poly construction management students** — first place in the Design Build Division of the Eleventh Annual Construction Management Competition sponsored in Reno, Nev., by the Associated Schools of Construction; second place (by the only all-woman team) in the Residential Construction Division using an interdisciplinary approach; third place in the Heavy Civil Division. 



Cal Poly's first-place agribusiness team. Left to right, front row, are Megan Judge and Kristina L. Kovakovich; second row, Bret Venable, Agribusiness Professor Phil Doub, and Filaree E. Kiddie. (Photo by Marcia Wright)

Israel study program open to MBA students

Beginning this fall, Cal Poly MBA students can travel to Israel to learn about business in the Middle East.

The two-year Israel Program will enable students to study with Israeli professors for the first year

at the Ruppin Institute and then return to Cal Poly for the second year. Participants will be exposed to emerging business-management opportunities and to Israeli culture, including courses in Hebrew. Special classes will also be offered

on economics and politics in Israel, as well as on the increasingly entrepreneurial kibbutz movement, according to David Peach, director of the College of Business' Graduate Management Program. 

Dogzilla meets Bubba, the Cowboy Prince



Former Professor and Vice President for Student Affairs Everett Chandler is still teaching students 21 years after he retired. This time, though, the students were quite a bit younger than he's used to.

Chandler and his wife, Arlene, were among 20 "celebrity" readers who participated in Cal Poly's first "America Reads" event. Others included a judge, a

policeman, television anchors, coaches, and professors.

Approximately 150 first-through third-grade students enjoyed the lively afternoon, with activities taking place in every nook and cranny of the Kennedy Library. Cal Poly students from a speech communication storytelling class also performed.

The event was sponsored by the Liberal Studies Program, Kennedy Library, and El Corral Bookstore. **CP**

Research by physics major catches national attention

Sonoluminescence — turning sound into light —

is more than just a lyrical exercise for Cal Poly graduating senior Dustin Froula. It is the basis for work that won him first place in the California State University Research Competition (see "Extra Credit", page 17), and caught the attention of officials at NASA, Lawrence Livermore National Laboratory, and the National Science Foundation.

In a joint project with

University of Washington students, Froula built an apparatus to learn

more about gravity's effect on sonoluminescence in a NASA



Dustin Froula conducts a pre-flight experiment on the sonoluminescence apparatus of the KC-135 aircraft.

space-flight experiment aboard a KC-135 zero-gravity jet. He also traveled to Washington, D.C., to promote undergraduate research before the Secretary of Energy's Advisory Board, NSF representatives, California congressional delegates, and the Council for Undergraduate Research. **CP**

Bioremediation topic of spring symposium

Internationally recognized scientists from Johns Hopkins, Michigan State, the U.S. Food and Drug Administration, and other institutions participated in a campus symposium on bioremediation (the use of microorganisms and their products to clean up areas polluted by petroleum, metals, and other toxic materials).

The symposium — the first of its kind in the California State University system — was

sponsored by the Environmental Biotechnology Institute (EBI) in Cal Poly's College of Science and Mathematics.

EBI was created in 1996 to study areas of petroleum contamination on the Central Coast. Two such sites were used as case studies for a featured event at the symposium — a problem-solving think tank directed toward real-world applications of biotechnology. **CP**

Agricultural educators visit Africa

Last spring College of Agriculture Dean Joseph Jen and Joe Sabol, professor of ag education and communication and director of Outreach Services, led 29 members of the California Agriculture Leadership Program on a three-week tour to study the cultures of Ethiopia, Uganda, and South Africa. The Agricultural Education Foundation, sponsor of the trip, prepares and motivates men and women in agriculture for more effective leadership. **CP**



Visiting an Ethiopian family is Professor **Joe Sabol** (third from right) and alum **Tim LaSalle (DSCI '70)**, former dairy science professor and current president and CEO of the Agricultural Education Foundation.

Our hats are in the ring

by Amber Winans (JOUR '99)

I came to Cal Poly for two reasons: journalism and horses.

The university's horse team has become the top-ranked California Western team and fifth-ranked nationally, even topping Fresno State's NCAA-rated equestrian team. And this is in spite of Cal Poly's team having few practice horses and little funding.

The Cal Poly horse show team competes in English and Western at Intercollegiate Horse Show Association (IHSA) shows against universities in California and Oregon. Host schools provide the horses, and riders pick their mounts' names out of a hat before each class.

The mounts are always interesting. I've ridden two mules at IHSA shows —

once to win a Western class and a second time jumping Dandy the mule in an over-fences class. Thoroughbreds, Arabians, Morgans, Quarter horses, Appaloosas, and draft horses are

just some of the breeds used at IHSA shows.

Colleges all over America compete on their own IHSA circuits, with the IHSA season climaxing in early May at the Nationals. For the past two years Cal Poly has been California's high-point Western team competing against the nation's top Western teams at IHSA Nationals.

This year we traveled to Port Jervis, N.Y., for the Nationals. I rode in the American Quarter Horse Association Trophy Advanced Western Horsemanship class for the team and — after another season of borrowing boots, bobby pins, and horses — I won Reserve Champion (second place) in my class. Overall, the team placed fifth. **CP**



Amber Winans

Architecture Dept. establishes Italian program

The Fifth Year Overseas Design Option, the Monte Amiata Program, was founded last fall by the Department of Architecture and implemented by Professor Sandra Davis Lakeman when she instructed 16 senior architecture thesis students in Rome, Siena, and Arcidosso, Italy. Tours and lectures were given by notable architects in all three locations.

Developed on a 1996 sabbatical, the project is sponsored by the departments of Architecture and Global Affairs and the community of Arcidosso, which invited Lakeman to conduct the program.

The participating students studied sites in Arcidosso in relationship to the community's cultural, educational, and social needs, with consideration of what makes public places both functional and beautiful. The students proposed architectural solutions to some of the city's current needs, as well as redesigns of the principal urban space, the Piazza Indipendenza. Their work was exhibited at Cal Poly and at the Fortezza di Aldobrandeschi in Arcidosso. **CP**



(Sketch by Philip Liang)



Known for her pure and powerful voice, singer **Anne Murray** is slated to appear Homecoming weekend, Friday, Oct. 23, at 8 p.m. in the Cohan Center of the Performing Arts Center. The Cal Poly Arts 1998-99 season will offer subscribers approximately 30 shows spotlighting performers such as opera legend Marilyn Horne, jazz artist Wynton Marsalis, and comedienne Joanne Worley in *A Funny Thing Happened on the Way to the Forum*. (Photo by James O'Mara, O'Mara & Ryan)

President Warren J. Baker presents business administration senior **Guillermo Leiva** with the award for Cal Poly's **1997-98 Outstanding Student Employee of the Year**. Leiva was unanimously selected from a field of 20 nominees for his work in the Pismo Beach Administration Department, where he learned the basics of the Finance and Public Services departments' operations, installed computer hardware and software, served as an instructor, and worked on special projects for the city manager.



Open House honors tradition, initiates new events

Cal Poly's fifth annual Open House weekend April 17-18 brought crowds of 35,000 to celebrate its 1998 theme, "Poly Classic."

Time-honored events, such as the rodeo and tractor pull, filled the grandstands with fans, while more than 200 clubs presented exhibits and concessions campuswide.

New attractions this year included club preview night at Thursday's Farmers' Market, where club members lined up along Higuera Street to answer questions about campus activities. During Friday's casino night, residence-hall and newly admitted students had an opportunity to win prizes. One-hour exhibition games showcased ultimate-disk Frisbee, men's and women's lacrosse, women's field hockey, men's water polo, gymnastics, and rugby. **CP**



Modern Languages/Lit Dept. offers unique CSU major

After a five-year approval process, a new major in modern languages and literature starts up this fall. The Bachelor of Arts program is one-of-a-kind in the California State University system.

Unlike most single-foreign-language majors, students in the Cal Poly major will concentrate on two languages: Spanish plus either French or

German. All three languages will continue to be offered as minors, along with Japanese and Italian.

About 25 students now enrolled in other majors are expected to move into the program this fall. Next year the major should be open to freshmen and incoming transfer students. **CP**

EXTRA CREDIT

- Students from Southern California campuses of the California State University, the University of California, and private institutions like Caltech and Harvey Mudd gathered at Cal Poly to participate in the **American Chemical Society's (ACS) Undergraduate Student Research Conference**. Approximately 150 students in chemistry, biochemistry, and related fields competed in oral and poster presentations and attended a Grad Fair. The event was sponsored in part by the College of Science and Mathematics and co-hosted by the college's Chemistry and Biochemistry Department.
- **Harold Hellenbrand**, dean of the College of Liberal Arts at the University of Minnesota, Duluth, was appointed dean of Cal Poly's College of Liberal Arts on July 1. In addition to overseeing the college's departments, he will lead universitywide co-curricular efforts in the arts, communication, humanities, and social and behavioral sciences. He succeeds Paul J. Zingg, provost and vice president for academic affairs, and Interim Dean Harry Sharp.
- More than 200 of Cal Poly's top students were inducted into the **Golden Key National Honor Society**, bringing the total number of campus members to 600. Membership is extended to the top 15 percent of juniors and seniors in all fields.
- Associate Dean **K. Richard Zweifel**, College of Architecture and Environmental Design, was named by Gov. Pete Wilson to the Landscape Architect Technical Committee of the California Board of Architectural Examiners, the body that regulates licensing and practice of architecture and landscape architecture in the state.
- Graphic Communication Professor **Gary Field**, an expert in color reproduction and print quality, won the 1997 gold and silver medals from Britain's Institute of Printing.
- Political Science Professor **Jeff Gill** returned to Cal Poly this summer after spending 1997-98 as a postdoctoral fellow at Harvard. Gill was the only political scientist in the country selected for this honor.
- **Anny Morrobel-Sosa**, a materials engineering professor and chair of the university's Academic Senate, is one of 35 Americans in higher education selected as a 1998 American Council on Education Fellow. The program prepares promising faculty and staff for positions in college and university administration.
- Two Cal Poly students were first-place winners at the CSU Student Research Competition: graduating physics senior **Dustin Froula** (see story, page 13) for his project, "Ultra Fast Diagnostic of Sonoluminescence," and mechanical engineering grad student **Rick Burnes** for his project, "Investigation of Ten Degree Axisymmetric Thrust Vected Nozzle Exhaust Plume Angles for the F-15."
- **Donald K. Maas**, a professor in the University Center for Teacher Education, received an international Award for Innovative Excellence in Teaching, Learning, and Technology at the Ninth International Conference on College Teaching and Learning in Jacksonville, Fla.
- Three Cal Poly professors have been named 1997-98 Distinguished Teachers: **John Culver**, professor and chair of the Political Science Department; **Jay S. DeNatale**, who teaches in the Civil and Environmental Engineering Department; and **David R. Henry**, professor in Speech Communication.
- **Roxy Peck**, a longtime statistics professor now also serving as associate dean of the College of Science and Mathematics, has been selected a Fellow of the American Statistical Association, an honor bestowed on fewer than five percent of all ASA members, including those from industry and government.
- According to *Hispanic Outlook in Higher Education* magazine, Cal Poly continues to award the highest number of bachelor's degrees nationwide to **Hispanics** in agriculture, architecture, and engineering. Only Texas A&M, with a student body two and a half times larger, granted more undergraduate degrees in ag and architecture to Hispanics in 1996-97. In engineering 105 Hispanic undergraduates — the fourth highest number in the United States — completed their degrees last year. For all undergraduate programs, Cal Poly ranked 27th in the nation. **CP**