

Cal Poly Report

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1985 Future Farmers conference and contests scheduled May 4-7

An estimated 1600 high school students from throughout the state are expected to take part in the 57th annual State Leadership Conference and state finals contests of the California Association of Future Farmers of America May 4-7 at Cal Poly.

Most of the students will participate in the contests on Saturday, May 4. Champions will be crowned in 20 different agricultural skills and activities ranging from livestock and land judging to farm records keeping, marketing, pest control, and forestry.

Winners of several of the events will be qualified to represent California in national FFA competition later in the year.

The State Leadership Conference will begin that evening when the president of the California Association calls the 850 delegates to order in Chumash Auditorium.

It will continue through the morning of Tuesday, May 7, when election and installation of the Association's officers for 1985-86 is planned.

The delegates will hear greetings from President Baker and Michael Gayaldo, national secretary of Future Farmers of America and immediate past president of the California Association.

Others scheduled to address conference sessions include David Austin, master of the California State Grange, and Henry Voss, president of the California Farm Bureau Federation.

The conference delegates and contest participants who will gather at Cal Poly represent more than 20,000 students who are members of the 321 FFA chapters in California.

Professor awarded \$51,000 for research, course development

A Cal Poly professor's expertise in composite (combined) materials — the materials that airplanes of the future might be made of and skis already are — has earned him two grants totaling \$51,000.

Dr. Larry Nelson of the Mechanical Engineering Department has been granted \$26,000 for research on composite-material aircraft wings and \$25,000 to develop a course in composites.

The joint research grant comes through the University Consortium of NASA's Ames Research Center at Moffett Field in Mountain View. Nelson will conduct research at Cal Poly to predict the behavior of the outboard portion of the wings on "Hi MAT" aircraft.

Hi MAT stands for highly maneuverable aircraft technology. The wing Nelson is working with has a composite skin of graphite and epoxy. His predictions of deflection — how far the wing will bend under stress — will be compared to data gathered in tests at Ames' Dryden Flight Test Facility at Edwards Air Force Base. Nelson's co-researcher is Alan Carter, chief of Ames' Aerostructures Branch.

The Westinghouse Educational Foundation of Pittsburgh, Pa., awarded Nelson the other grant to develop a course on composite materials analysis and design, a course needed to teach engineers-to-be about the new materials increasingly used in aerospace, defense, recreation, and other industries.

New president elected for ASI

Mike Mendes, an agricultural management major from Oakdale, was elected president of the Associated Students Inc. In the race for vice president, in which candidates run independent of the presidential candidates, John Sweeney, a Computer Science major from Sonoma, was elected.

The ASI president and vice president will oversee a non-profit corporation with a 1985-86 operating budget of approximately \$1.2 million. All new officers will begin their duties on June 16.

University Club annual barbecue set for May 16

The University Club is sponsoring its annual barbecue for members and their guests on Thursday, May 16, at Cuesta Park. Serving time is 5:30 pm and the menu will consist of barbecued tri-tips, salad, beans, bread, beverage and dessert at a cost of \$3 for adults and \$1 for children under 12. Door prizes will be awarded.

Tickets may be purchased until noon on Wednesday, May 15, from Royce Lambert, Sci A-10; Elinor Bullock, Adm. 125; Ethel Spry, UU 202; Jim Neelands, Sci C-36; Mark Shelton, Ag 133; and Joan Stadt, Lib 204.

Two Cal Poly exhibits feature artwork

The production of artwork — from inception to final product — will be shown in a combination of two exhibitions on campus. The display in the UU's Galerie and the one in the Art Department's Vestibule Gallery both run through May 15.

The exhibition in the Vestibule Gallery will demonstrate the step-by-step process used to complete various forms of artwork including photography, basic design, graphic design, and studio work. There will also be a display of the tools and environments associated with the various artistic professions. The UU Galerie will exhibit completed student artwork.

The Vestibule Gallery is open Monday through Friday, 8 am to 5 pm. The UU Galerie will be open Monday and Tuesday, 10 am to 6 pm; Wednesday and Thursday, 10 am to 8 pm; Friday, 10 am to 4 pm; and noon to 4 pm on weekends.

Students will discuss conflict in Central America

A panel of students from Central American universities will speak at 7 pm, Sunday, May 5, in San Luis Lounge of the University Union.

The students, one each from Guatemala, El Salvador, Nicaragua, and Honduras, will share their perspectives on the turmoil in Central America. The cost will be \$1 and the public is invited. The four students are part of a national tour organized by the U.S. Student Association.

Locally, the event is jointly sponsored by Speakers Forum, Multicultural Center, Central American Study and Solidarity Association, Iranian Student Association, and the Latin American Students Association — all organizations of the ASI.

To bowl...or not to bowl

All interested staff, faculty and students are invited and encouraged to attend an open forum, 3-5 pm, May 9 in UU 202 to discuss the future of the bowling area in the Union.

Members of the University Union Advisory Board (UUAB) requested the open forum to assist them in making a recommendation to the Student Senate. They would like to hear arguments both for and against reallocating use of the space.

At this time the bowling alley is losing money and placing a strain on the Union budget. It has been recommended that this area be renovated to provide a Nautilus-style facility, meeting rooms and storage.

Following the UUAB's recommendation, the Senate will send a recommendation to President Baker.

New employees, transfers and promotions

Jan Pieper, director of personnel and employee relations, announces the following appointments to new positions, transfers, and promotions to the support staff. A hearty welcome is extended to the new members of the Cal Poly staff and congratulations to those who have been promoted!

New employees

Beverly Ackerman.....CA III, Financial Aid
Lori Atwater.....Instr. Support Asst. III, Electronic/Electrical Engr.
Kathleen Constantine.....CA III, Research Development
Michael DeLasaux.....Instr. Support Tech. II, NRM/Soil Science
Rebecca Holt.....Depart. Sec. I, Accounting
Judith Hughes.....Instr. Support. Tech. I, Chemistry
Kirby Jansson.....Admin. Asst. I, School of Engineering
Mei-Ling Liu.....Administrator II, Computer Services
Jay Pedersen.....Groundswoker, Plant Operations
Sharon Takata.....Data Control Tech., Annual Giving/UML
Ricki Tenhaeff.....CA II, School of Business
Kathleen Wiebe.....Secretary, Fiscal Operations

Promotions

Rosemary Bowker.....Instr. Computing Consultant II, Bio. Sciences
Douglas Brown.....Assoc. Systems Software Specialist, School of Science & Mathematics
Melody DeMeritt.....CA III, School of Business
Robert Dreveskracht.....Lead Custodian, Residence Hall Services
Dallis Granger.....CA III, General Office
Stacey Ludwick.....CA III, Electronic/Electrical Engineering
Madeline Lynn.....CA III, Enrollment Support Services
Susan McCarthy.....Senior Data Control Tech., Financial Aid
Mark Lovell.....Refrigeration Mechanic, Plant Operations
Jennifer Thoma.....Evaluation Tech. I, Enrollment & Support Services
Zeta Hayes-Bautista.....CA III, Financial Aid
Robert Stokes.....Mail Services Super. I, Procurement and Support Services.



Surplus property sale

A sale of unclaimed (lost and found) articles and Cal Poly's surplus property will be held at the University Warehouse with the following schedule:

Tuesday, May 7

8:30 am to 3 pm ONLY

Preview, sale and bids accepted (1 day only)

Thursday, May 9

8 am to 3 pm ONLY

Highest bidders pick up items

Friday, May 10

8 am to 11:30 am ONLY

Next highest bidders pick up items

Noon: Open auction for all unclaimed items

Available items include clothing, books, jewelry, calculators, bikes, typewriters and electronic equipment. The university reserves the right to reject any and all bids. All sales are final, and are subject to a 6% sales tax.

Professor's invention could be a key to economical solar power

A Cal Poly professor has been awarded a \$48,500 contract with Sandia National Laboratories to develop a device he invented that could be a key in making solar power generation economically feasible.

Associate Professor Art Dickerson intends to show that his "inverter" will allow large amounts of electricity to be fed economically from solar cells into commercial power lines. The device converts the direct current of the photovoltaic collectors into the alternating current of the utility grid.

Intense interest is now focused on the conversion stage of solar power generation, Dickerson said, because the consensus among experts is that the cost of cells will come down, requiring a more economical system for using large quantities of the power they generate. Inverters exist, he said, but are complex and expensive. Simplicity is the key to the new configuration his inverter uses.

By late summer Dickerson expects to complete tests on a 12,000-watt inverter that should prove the feasibility of his inverter in large-scale applications. He then will design one to handle 50,000 watts, as called for in his contract with the Sandia Labs.

Poly students sweep top spots in Great Western Livestock judging

Michael Smith, a junior from Modesto, placed first overall to lead the way as a team of Cal Poly students swept six of the first seven places in the individual events and easily won the team title in the Great Western Intercollegiate Livestock Judging Contest. The contest drew a field of six college and university teams to the Los Angeles County Fairgrounds.

Color viewing station, light integrator presented

A color viewing station and a light integrator have been given to the Graphic Communications Department by Graphic Technology Inc. of Newburgh, N.Y.

The color viewing station provides for the evaluation of color proofs, press sheets, and originals. The light integrator is designed to control exposure accurately based on the exact amount of light received.

Who, What, When, Where?

Lynn Jamieson, *Physical Education and Recreation Administration*, recently spoke at the annual California Park and Recreation Society/Pacific Southwest Conference in Sacramento. Her topic was "Networking for Political Effectiveness."

Randal Cruikshanks, *Political Science*, chaired a roundtable for the Western Political Science Association's Committee on Chairs. It was called "Managing the Unmanageable."

Roger Conway, *University Union*, presented a session on "Power and Passion in the Workplace" at the 65th annual Conference of the Association of College Union-International in Coronado.

Michael Blum, *Graphic Communication*, published an article, "Coordinate Your Pre-press Activities," in the January 1985 issue of the *Printing Journal*.

Cynthia Nazzaro, *Theatre and Dance*, was featured in "Celluloid Heroes," a 12-minute videotape seen on KQED, Ch. 9, the public TV station in San Francisco. The program was taken from last year's artistic collaboration, "Stars, Songs, Faces."

Fred Abitia, *Cooperative Education*, has been elected Executive Vice President/President-elect of the Cooperative Education Association, Inc. The organization has a membership of over 1200.

Sandra Davis Lakeman, *Architecture*, had a photography show entitled, "Images," at Linnaea's Cafe in San Luis Obispo. The works included both pastoral and urban landscapes.

Roger Conway, *University Union*, took part in a panel discussion, "Computers in the Union, Part Two," at the 65th annual Conference of the Association of College Union-International at Coronado.

Robert Hoover, *Social Sciences*, spoke to the San Diego Archaeological Society. He was also invited to participate in the re-enactment of the Battle of San Diego Bay at the U.S. Navy Submarine Base, San Diego.

Carolyn Shank, *Physical Education and Recreation Administration*, presented a paper, "The Role of the Parent in Infant/Preschool Aquatic Programs," at the U.S. Swimming Foundation meeting in Los Angeles. She also chaired a session on certification competencies, and helped coordinate the Infant-Preschool Aquatics Certification Workshop.

Tomlinson Fort, *Provost*, is co-author of a chapter, "Effects of Polymers, Electrolytes and pH on Microemulsion Phase Behavior," in the book, "Macro- and Microemulsions, Theory and Applications," published by the American Chemical Society.

Reginald Gooden, *Political Science*, chaired a panel on "Democracy and Political Culture in Latin America," and presented a paper, "'Pluralism' in El Salvador," at the recent meetings of the Western Political Science Association in Las Vegas.

Philip Ruggles, *Graphic Communication*, has updated his textbook, "Printing Estimating Principles and Practices." The second edition is 100 pages longer than his original book, published in 1979.

Eugene O'Connor, *Business Administration*, was elected a Fellow of the National Association of Small Business Administration directors at their annual meeting in San Diego.

John Culver, *Political Science*, chaired a roundtable on "Approaches to Teaching" at the recent meetings of the Western Political Science Association in Las Vegas.

D. Jan Duffy, *Business Administration*, recently chaired a seminar, "Developments in California Employment Law," in San Francisco. She also chaired a subcommittee and presented a report on 1984 developments in workplace privacy law in the midwinter meeting of the American Bar Association Committee on Individual Rights in the Workplace in Tampa, Fla.

Dateline

(\\$) - Admission Charged

(!) - Admission Free

THURSDAY, MAY 2

Exhibits: "Continuous Line" will show the production of artwork from inception to final product. UU Galerie and Art Department's Vestibule Gallery. Continues through May 15. (!)

Speaker: Rev. Miles Renear (St. Stephen's Episcopal Church) will discuss "The Ladder of God: Imagination as a Two-Way Street Between the Human and the Divine" as part of the Arts and Humanities Series. UU 220, 11 am. (!)

University Club: Richard Trueman will present slides and discuss "New Zealand: Land of Surprises." Staff Dining Room, noon. (!)

Auditions: Try out for a part in "The American Dream," "The Monkey's Paw," or "The Brute." Davidson Music Center, Room 206, 5-8 pm. (!)

FRIDAY, MAY 3

Baseball: Cal State Dominguez Hills, SLO Stadium, 7 pm. (\$)

Caving: Anyone for some spelunking? Continues through Sunday. Sponsored by ASI Outings. Details in the Escape Route, UU 112, or call ext. 1287. (\$)

Rafting: Here's your chance for some great white water river rafting. Continues through Sunday. Sponsored by ASI Outings. Details in the Escape Route, UU 112, or call ext. 1287. (\$)

Summer Trips: Time to think about summer vacations to such places as Jamaica, the Bahamas or bike touring in New England or Canada. Sponsored by UU Travel Center. For details call ext. 1127 or stop by. (\$)

SATURDAY, MAY 4

Men's Tennis: Alumni Match, 11 am. (!)

Baseball: Cal State Dominguez Hills, SLO Stadium, noon. (\$)

SUNDAY, MAY 5

Speaker: A panel of Central American students will discuss the conflict in Central America. San Luis Lounge, 7 pm. (\$)

WEDNESDAY, MAY 8

Books at High Noon: Janet Pieper (personnel) will review "William Faulkner, The Yoknapatawpha World and Black Being," by Erskine Peters. Staff Dining Room, noon. (!)

THURSDAY, MAY 9

University Club: Duane Bruley (School of Engineering) will discuss "Surviving a Dual Profession." Staff Dining Room, noon. (!)

FRIDAY, MAY 10

Film: "Indiana Jones and the Temple of Doom," Chumash, 7 pm. Continues on Saturday, May 11. (\$)

Position Vacancies

Vacant staff positions at Cal Poly State University and the Cal Poly Foundation are announced in this column and are posted outside the respective offices. Contact those offices (State: Adm. 110, 805-546-2236—Foundation: mobile unit near the Fire Department (805-546-1121) for applications and additional position details. Both Cal Poly and the Foundation are subject to all laws governing affirmative action and equal employment opportunity. All interested persons are encouraged to apply.

State

CLOSING DATE: 5-17-85

Clerical Assistant III-A (Housing Conference Services Coordinator), \$1378-\$1632/month; 6-month temporary position, Housing Management.

Depart. Secretary II-Stenography, \$1401-\$1660/month, Chemistry. Available July 1.

CLOSING DATE: 5-24-85

Public Safety Officer, \$2001-\$2408/month, one opening, Public Safety Department. Other qualified candidates will be placed on an eligibility list for one year.

Foundation

CLOSING DATE: 5-10-85

Receiving Depart. Assistant, \$1247-\$1517/month, Bookstore.

ASI/University Union

CLOSING DATE: 5-7-85

Student Service Professional I (full time), \$1546-\$1648/month. Duties include supervision of student desk attendants, responsibility for room reservations and equipment usage, plus operation of a computer facility control system. Send letters of application, including a resume, and at least three letters of recommendations to Joe Willis, ASI Business Office, University Union.

Candidates for positions on the faculty of the university are presently being sought, according to Jan Pieper, director of personnel and employee relations. Those interested in learning more about the positions are invited to contact the appropriate dean or department head. This University is subject to all laws governing Affirmative Action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendments Act and the Rehabilitation Act of 1973. All interested persons are encouraged to apply.

CLOSING DATE: 5-17-85

Graduate Lectureships (part-time) and Fellowship, salary approximately \$4260/academic year for quarter-time teaching assignment, Computer Science. Available beginning Fall Quarter 1985 for students who enroll in the M.S. in Computer Science program at Cal Poly. Proficiency in programming in one or more of the following languages is required: BASIC, FORTRAN 77, COBOL, Pascal. Teaching experience desirable. Fellowship also available for full time student (10 units or more) in Computer Science M.S. program during the 1985-86 academic year. Involves directed research in applications and/or theory of computer-related technology. Stipend of \$5500 plus fees. To apply for lectureship, submit application and three letters of reference to the Graduate Coordinator, Computer Science Department. To apply for fellowship, submit a letter of application containing a statement of general plans after obtaining the Master's Degree to the Graduate Coordinator of the Computer Science Department.

CLOSING DATE: 5-24-85

Head Softball Coach (Women's), part-time, salary range approximately \$9,167-\$11,044 per year (total time base .33), Athletics. 1985-86 academic year appointment starting September 1985. Duties include directing all facets of a Division II softball program. Master's Degree in Physical Education or related field required and successful coaching at the college level preferred.

CLOSING DATE: 5-30-85

Lecturers (part-time), salary commensurate with qualifications, experience and time base, Accounting. Positions available for Summer Quarter 1985 and during 1985-86 academic year. Duties and responsibilities include teaching 4-12 hours per week in introductory accounting courses. Minimum requirement is MBA; professional certification preferred.

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Stan Bernstein (Editor).....ext. 1511
Betty Holland (Graphics Tech)...ext. 1511
Jo Ann Lloyd (Dateline).....ext. 1511

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