

CAL POLY

REPORT

California Polytechnic State University, San Luis Obispo 93407

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\$600,000 NASA grant to aid aero education

Cal Poly is one of just five universities in the country — and the only primarily undergraduate one — to receive a \$600,000 NASA grant to revamp aeronautical engineering design education.

The Multidisciplinary Design and Analysis Fellowship program will support a three-year cooperative effort among students and faculty members from four Cal Poly departments and three aerospace companies.

The project aims to improve aircraft design education by:

- ♦ Creating an undergraduate multidisciplinary curriculum in such areas as manufacturing, aeronautical science, and economics.
- ♦ Having graduate students develop analytic tools including computer programs that would address a variety of multidisciplinary projects.

The project leaders are Russell Cummings, chair of the Aeronautical Engineering Department, and H. Joanne Freeman, chair of the Industrial and Manufacturing Engineering Department.

Other participating faculty members include Daniel Biezad and Robert van't Riet, both from Aeronautical Engineering; Unny Menon and Archie Cheda, Industrial and Manufacturing Engineering; Daniel Levy, Psychology and Human Development; and Ray Haynes, Management.

Undergraduate courses will be modified, graduate students will learn advanced methods in aircraft design, and fellowships provided by the grant will allow graduate students to work closely with faculty members on all phases of the project.

Representatives from Northrop, Boeing and McDonnell-Douglas will help with the introduction of the multidisciplinary design concepts. The aircraft companies will also provide summer internships for graduate students.

Out of a total of 44 universities that applied, Cal Poly was one of 20 institutions to receive \$50,000 and make it to the final round of NASA's funding competition. Other universities that received grants were Virginia Polytechnic, Georgia Tech, Clemson, and Brigham Young.

Aero alum gives stocks valued at \$250,000

A Cal Poly alumnus and his wife have donated stock valued at more than \$250,000 to the Aeronautical Engineering Department.

The contribution from Mary and Baldwin Reinhold Jr. is the largest gift the department has received from an alum.

The gift will help kick off the department's endowment-raising campaign set to begin next year. Interest earned by the donation will help support faculty professional development and student clubs and projects and will be used to update laboratories.

Reinhold graduated in aeronautical engineering in 1936.

Professional sorority gives top award to Sabol

Joe Sabol, director of outreach services for the College of Agriculture, has received the top award from a national professional agriculture sorority.

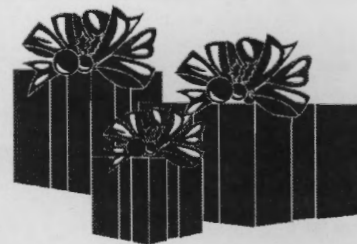
Selected the 1994 Honorary Member of Sigma Alpha sorority, Sabol was honored for promoting women's issues in agriculture. He joins a select group of six others chosen in previous years from throughout the United States.

Cal Poly signs pact with Mexican institute

President Warren Baker and other administrators were joined by officials from the Instituto Tecnológico de Culiacan at a signing ceremony Nov. 10 that formalized a partnership between the two universities.

The agreement includes student and faculty-researcher exchange programs and fosters collaborative efforts to develop proposals for funding and joint research projects.

Ruben Rojas-Oviedo, aeronautical engineering professor, has been appointed director of the project. Joe Montecalvo, food science and nutrition department head will serve as co-director.



Holiday Sharing Drive under way until Dec. 12

Cal Poly's third annual Holiday Sharing Drive is under way through Monday, Dec. 12.

This year's goal is to provide gifts to more than 200 children who live in San Luis Obispo low-income housing.

Anyone who would like to select a family should call Jeff Kraus at ext. 5834 or Sam Lutrin, ext. 5839. The children have provided "wish lists" for items under \$30.

The Holiday Sharing Drive is a joint effort by Student Community Services, Student Life and Activities and the Partners in Service program.



First Farmers' Market set for Nov. 19

Come rain or shine, Cal Poly will hold its first-ever Farmers' Market from 10 am to 1:30 pm Saturday, Nov. 19, at the Crops Unit.

Held in conjunction with Parents' Weekend, Farmers' Market will feature items produced by students through the College of Agriculture's Enterprise Project Program.

Stop by and pick up items such as apples and applesauce, organic vegetables, fruit and fruit jams, low-fat granola, gift packs, beef jerky, and flowers and plants.

The Crops Unit is on the corner of Highland Drive and Bishop Road. For more information, call the Environmental Horticultural Science Department at ext. 2279.

Chanticleer to perform in Pismo Beach Nov. 28

The unique sound and winning style of Chanticleer, an a cappella choir, will help kick off the holiday season at 8 pm Monday, Nov. 28, at the Church of the Nazarene in Pismo Beach.

The concert is part of Cal Poly Arts' Great Performances series. A pre-concert discussion by Cal Poly Music Professor Craig Russell is scheduled for 7 pm in Room 11 of the church's Education Building.

Chanticleer's unique repertoire ranges from Renaissance interpretations to contemporary, gospel, and jazz. With a range from rich bass to exquisitely pure countertenor, the group of 12 men has been described as an "orchestra of voices."

Tickets are \$25, \$20 and \$15 for the public and \$20, \$15 and \$10 for

students and senior citizens. Buy tickets at the Theatre Ticket Office, or reserve seats by calling the Anytime ArtsLine at ext. 1421.

Cal Poly choirs to give three holiday concerts

"A Christmas Celebration" will be presented by the Cal Poly choirs at 8 pm Friday, Dec. 2, at the Atascadero Bible Church and at 3 and 8 pm Saturday, Dec. 3, at the San Luis Obispo First Baptist Church.

A variety of holiday tunes will be performed by the Cal Poly Women's Chorus, Men's Chorus, Polyphonics, Chamber Orchestra, and barbershop quartets Here Comes Treble and A Token Effort.

Tickets for the concert are \$4.50 for students and senior citizens and \$7.50 for the public. Buy them at the ASI Ticket Office in the Rec Center or call the Theatre Ticket Office at 756-1421 for credit card reservations.

The Atascadero Bible Church is at 6225 Atascadero Mall Street, and the San Luis Obispo Baptist Church is at 2075 Johnson Ave.

For more information, call the Cal Poly Choral Operations Center at 756-NOTE (6683).



'Thank you' coffee set for Nov. 30

All Cal Poly employees who completed and returned the transportation survey are invited for coffee and refreshments at noon Wednesday, Nov. 30, in UU 220.

A raffle will be held and door prizes will be awarded for attending. Department representatives who had 100 percent participation in their area will also be eligible for prizes.

The transportation survey is conducted by the Air Pollution Control District.

Three holiday stories to be staged Dec. 3

Holiday spirit will come to life in three original Christmas stories written by children and performed at 11 am Saturday, Dec. 3, in the Theatre.

"The Christmas That Almost Wasn't" is a collection of stories and songs for family audiences about how Christmas almost didn't happen. The production includes "Dinky The Dancing Reindeer" by Marci Eichelberger, grade 5; "How Santa Got Well" by Emily Butcher, grade 5; and "Santa and the Witch" by Missy Diskin, grade 2.

The plays are produced by Child's Play Touring Theatre, a group touring under the auspices of Theatre-Works USA.

Tickets are \$9 and \$7 for the public and \$7 and \$5 for students and senior citizens. Buy them at the Theatre Ticket Office, or reserve seats by calling the Anytime ArtsLine at ext. 1421.

A 25 percent single-ticket discount is offered to members of the San Luis Obispo Children's Museum.

Cal Poly and industry team up to develop lab

Equipment and money donated by industry helped the Aeronautical Engineering Department develop a water-tunnel laboratory to show students how air flows around an airplane.

The tunnel, 18 inches wide, 22 inches high and 72 inches long, was donated by Nielsen Engineering and Research last year. Northrop-Grumman provided funds to assemble the tunnel and renovate laboratory space to accommodate it.

The tunnel is valued at \$115,000. The project was developed by Aeronautical Engineering Professor Jin Tso under the Lockheed Endowed Professorship and with the help of department technician Dan Powell and graduate students Fritz Anderson, Mark Wardell, and Mark Kettering.

The lab is expected to open in November.

- Campus Forum -

Clarification of faculty vote on calendars

I wrote an information piece for the Nov. 4 *Cal Poly Report* regarding the Academic Senate's process for discussing the two calendar models being considered for this campus. I apologize for a serious error in reporting how the process will take place. The Academic Senate will conclude three meetings discussing and debating the pros and cons of the quarter and early semester system with a vote on whether to change to the semester system at its Nov. 29

meeting. If that vote is in favor of changing to semesters, a faculty vote will occur early winter quarter. If the vote is against, a faculty vote will not be held. This conforms to a resolution passed by the senate during winter quarter of 1994. The information I presented earlier indicated that a faculty vote would be held in either case. I apologize for this error.

**Jack Wilson, Chair
Academic Senate**

401k plan added to list of tax-deferred options

Starting with the 1995 tax year, CSU employees will be eligible to participate in the 401(k) Thrift Plan. Like the Deferred Compensation Plan and Tax-Sheltered Annuity (TSA) Program already available, the Thrift Plan lets employees accumulate tax-deferred dollars through payroll deduction to supplement retirement income.

The three programs differ in a number of ways, such as in the maximum annual contribution allowed, investment options available, number of changes permitted each year, and the ability to borrow or withdraw funds with or without penalties.

The 401k Thrift Plan and Deferred Compensation Plan offer the same investment options. Information and enrollment forms are available in Human Resources.

Participants in a Deferred Compensation Plan who wish to change programs for the 1995 tax year and maximize their contributions should call Helen Willis, Human Resources, at ext. 6471, by Wednesday, Nov. 23. Tax-Sheltered Annuity participants have until Wednesday, Nov. 30.

It is now possible to participate in two programs in the same tax year, but limitations might apply.

TSA representatives are not allowed to contact employees on campus by phone or in person. Activities such as door-to-door solicitation, requests to departments to distribute flyers, or sales gimmicks such as a

"referral" from another employee should be reported to Human Resources. TSA agents can make unsolicited contact only through the U.S. mail.

Minimum travel advance now set at \$50

Because of the cost of processing travel advances for small amounts, Fiscal Services will no longer issue travel advances for less than \$50. The new policy, effective Dec. 1, brings university travel procedures in line with those of the Foundation.

Travel expenses, regardless of the amount, are usually reimbursed within a week after receiving a claim.

Any questions regarding travel advances should be directed to Accounts Payable at ext. 1717.

Christmas luncheon tickets on sale to Dec. 2

Remember to buy your tickets by Friday, Dec. 2, for the Annual Christmas Luncheon, which is set for Wednesday, Dec. 7. Tickets are \$7.50.

For more information, call Joan Regulski at ext. 5873 or Liz Reynertson, ext. 5868.

Bibliographic data bases now available on-line

FirstSearch, a collection of on-line bibliographic data bases, is now available on the MUSTANG, the Kennedy Library's gopher.

FirstSearch allows access to a variety of general data bases including WorldCat and FactSearch and such specific data bases as MLA, Agricola, PsychFirst, Medline, Concise Engineering, Business News, Art Index, Biosis, Business Periodicals, Humanities, Social Sciences, and more.

Complete access to all the FirstSearch data bases is available until January 1995 through a trial arrangement with the CSU. FirstSearch with MLA, Agricola, and Medline will be available the entire year.

Students, faculty and staff members following on-screen instructions can search FirstSearch without special training. A password and authorization number, available at the library's Reference Desk, are required for access through the MUSTANG server. Lexis Nexis is also accessible from home or office on a limited basis. This data base indexes U.S. and international newspapers, wire services, and news transcripts as well as some legal, business and medical data.

Training is necessary to obtain a password and authorization number to access Lexis Nexis. Because of a special educational rate the CSU has with the company, only faculty members and students are allowed use of this data base.

To sign up for Lexis Nexis training, call the Reference Department at ext. 2649.

Pearl Harbor vet to speak at Dec. 7 lunch

World War II veteran Everett Spry will speak at the Cal Poly Retired Faculty and Staff Club's noon luncheon Wednesday, Dec. 7, at the San Luis Obispo Elks Lodge on Elks Lane.

Spry was at Pearl Harbor when it was attacked Dec. 7, 1941.

Reservations, due by Thursday, Dec. 1, can be made by calling 544-8466 or 543-7901.

Foundation board to meet Nov. 30

The Foundation Board of Directors will hold a regular meeting on Wednesday, Nov. 30, at 9:30 am in the Foundation Administration Building, Conference Room 124. This is a public meeting. For more information or to obtain a copy of the agenda, contact Al Amaral, foundation executive director, at ext. 1131. A copy of the agenda packet is available at the Kennedy Library Reserve Desk and the Academic Senate Office, Mathematics and Home Economics 143.

Dateline

Admission charged — \$

FRIDAY, NOVEMBER 18

Speakers: George Stanton (Psychological Services) and Sue McBride (Center for Teacher Education) will present "An Overview of Cooperative Learning" as part of the FIDO series. Staff Dining Room, noon.

Volleyball: Cal State Northridge, Mott Gym, 7 pm. (\$)

SATURDAY, NOVEMBER 19

Parents' Day: Various activities planned. Call Alumni Relations at ext. 2586 for details.

Farmers' Market: Agriculture students will sell a variety of products. Crops Unit, 10 am. (\$)

Football: Southern Utah University, Mustang Stadium, 1 pm. (\$)

Music: Bandfest '94 featuring the Cal Poly bands. Chumash, 8 pm. (\$)

SUNDAY, NOVEMBER 20

Basketball: Race Express exhibition game. Mott Gym, 3 pm. (\$)

WEDNESDAY, NOVEMBER 23

Academic Holiday: Thanksgiving break for academic employees. Through Sunday, Nov. 27.

THURSDAY, NOVEMBER 24

Holiday: Thanksgiving holiday for non-academic employees. Through Sunday, Nov. 27.

SATURDAY, NOVEMBER 26

Volleyball: San Jose State, Mott Gym, 7 pm. (\$)

MONDAY, NOVEMBER 28

Music: Chanticleer will perform as part of Cal Poly Arts' Great Perfor-

mances series. Craig Russell (Music) will give a talk at 7 pm; concert at 8. Church of the Nazarene, Pismo Beach, (\$)

TUESDAY, NOVEMBER 29

Seminar: Implementing Assertiveness in the Workplace (Part I), sponsored by the Employee Assistance Program. Continues on Tuesday, Dec. 6. Health Center, Room 140, 1:30 pm.

WEDNESDAY, NOVEMBER 30

Meeting: Women's Council of the State University planning meeting. UU 219, noon.

Coffee: Refreshments for those who completed transportation survey. UU 220, noon.

Men's Basketball: University of San Diego, Mott Gym, 7:30 pm. (\$)

THURSDAY, DECEMBER 1

Music: Fall Quarter Music Student Recital. Music Bldg. 218, 11 am.

Meeting: Curriculum discussion group. UU 219, noon.

Film: "Full Metal Jacket," directed by Stanley Kubrick. Palm Theatre, 7 pm. (\$)

FRIDAY, DECEMBER 2

Music: The Cal Poly Women's Chorus, Men's Chorus, Polyphonics, and the Chamber Orchestra will present "A Christmas Celebration." Atascadero Bible Church 8 pm. Also Saturday, Dec. 2, at the San Luis Obispo First Baptist Church, 3 and 8 pm. (\$)

SATURDAY, DECEMBER 3

Play: Theatreworks U.S.A. presents "The Christmas That Almost Wasn't." Theatre, 11 am. (\$)

Position vacancies

More information and applications for the following staff positions are available from the appropriate human resources office. Official application forms must be received by 4 pm of the closing date or be postmarked by the closing date. Faxed applications and resumes will not be accepted in lieu of official application.

STATE (Adm. 110, ext. 2236 or job line at ext. 1533)

CLOSING DATE: Dec. 2

Buyer II, Procurement and Support Services (Unit 7), \$2597-\$3174/month.

Clerical Assistant I, Health and Psychological Services (Unit 7), \$1620-\$1908/month, temporary through 6/30/95 with possibility of renewal, subsequent appointment 8/15 through 6/15 approximately.

FOUNDATION (Foundation Adm. Building, ext. 1533)

Administrative Assistant, Foundation Administration Office (\$2205-2680/mo.) Serves as Administrative Assistant to the Executive Director, Director of Finance & Administration and provides support to other managers.

ASI (University Union, ext. 5809)

CLOSING DATE: Nov. 18

Assistant Teacher: \$984-\$1084/month; full-time.

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FACULTY (Adm. 312, ext. 2844)

Candidates interested in positions on the faculty are invited to contact the appropriate dean or department head/chair. Ranks and salaries for faculty positions are commensurate with qualifications and experience (and time base where applicable), unless otherwise stated.

CLOSING DATE: Jan. 15, 1995

Tenure-Track Position (Secondary Education), University Center for Teacher Education, for 1995-96 academic year. Required: Doctorate in curriculum and instruction, secondary education or related field from an accredited university (completed by Sept. 1, 1995); recent experience in secondary school environment; successful secondary public school teaching experience; demonstrated teaching excellence; capacity for scholarly activities. Preferred: experience with culturally and linguistically diverse students; bilingual. For application call ext. 1503.

CLOSING DATE: Feb. 10

Lecturer (full-time), Physical Education, for 1995-96 academic year. Seeking candidates with demonstrated expertise in teaching in the public schools. Responsibilities include advising teaching option students; teaching pedagogy, activity, and major classes; supervision of field placements; student teaching; and undergraduate research. Required: M.S. in P.E. or other related area and successful public school teaching experience. Preferred: Ph.D. in P.E. or other related area, demonstrated teaching excellence in higher education, experience with culturally and linguistically diverse students, and bilingual skills. Salary range \$29,940-35,868 annually, commensurate with qualifications and experience. Contact department for application requirements.

Lecturer (full-time), Chemistry, for 1995-96 academic year. Successful candidates will teach general chemistry, and efforts will be made to offer teaching opportunities in area of specialization. Ph.D. required at time of hiring.