

cal poly report



CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO CALIFORNIA 93407

Volume 29, Number 14

November 10, 1977

Tournament of Roses 1977



Students at the Cal Poly State Universities in San Luis Obispo and Pomona have chosen "Grin and Bear It" as the theme for their 30th joint float entry in the Tournament of Roses Parade which will take place on Monday, Jan. 2, 1978, in Pasadena.

The students' entry in the New Year's Day parade, which will have "On the Road to Happiness" as its theme, will show four bears using a giant railroad handcar to journey down the road to happiness.

The hand car's pumping crossbars will be manned by a large bear named "Pop" and a small bear, "Junior." "Junior" will stand on a large blue steamer trunk in order to reach the crossbar.

Another small bear will be stationed on the front of the handcar and a second large bear will be kneeling near the back of the car. The bear on the back will obviously have his heart set on the contents of a picnic basket. Other small animals will help set the festive mood of the bears' journey.

Making it Move

The Cal Poly students' float will come to life through the use of an animation system developed by students at the two campuses. They plan to use a 400-cubic-foot, high-performance engine as the heart of a complex hydraulic and electrical system that will give movement to the scene.

Flowers to be used on the giant float will include Poinsettia; red and white carnations; red, peach, yellow, and bronze Chrysanthemums; and blue bachelor buttons.

Other plant materials scheduled for use are Coco palm leaves, onion seeds, walnut shells, Hyacinth root, Eucalyptus leaves, corn husks, rye seeds, and ti leaves.

Steve Dahl, chairman of the committee which is preparing several of the major figures at the Cal Poly campus in San Luis Obispo, said two acres of bachelor buttons are being grown there and other flowers are being grown in Pomona.

Dahl, a junior architecture major from South Pasadena, pointed out that the students' joint float entry will be the only one in the famed New Year's Day parade that is designed, built, financed, decorated, and exhibited solely by students.

Making it Pretty

With completion of Fall Quarter final examinations at both campuses in mid-December, the various figures and main structure for the float will be combined at the campus in Pomona and work will proceed on a daily (and probably nightly) schedule until the float is moved to Pasadena just before Christmas.

Flowering the float, which will be about 50 feet long, 12 feet wide, and 16 feet high, will begin three or four days later and continue around the clock until completion sometime during the late afternoon of Sunday, Jan. 1.

Floats developed by the students at the two Cal Poly campuses have established an enviable record in the Tournament of Roses Parade. In 29 years of competition, they have won 14 major awards and 15 divisional prizes.

DEFERRED COMPENSATION ORIENTATION SESSIONS

A reminder from the Personnel Office points out that the annual enrollment period for the State of California Deferred Compensation Plan will extend through Nov. 30. This enrollment is for the next calendar year and will be effective with the Jan. 31, 1978, pay day. This program is sponsored by the State of California and administered by the Department of General Services.

Representatives from the participating companies and the Department of General Services will be on campus Wednesday, Nov. 16, and Thursday, Nov. 17, at 2 pm in the Staff Dining Hall, Room A, to explain details of the program. Each session is scheduled for 60 minutes. Interested employees are encouraged to attend.

Additional information regarding participation in the state-sponsored Deferred Compensation Plan can be obtained by contacting Robert M. Negranti (Staff Personnel Officer) in the Personnel Office, Adm. 110, Ext. 2236.

RECORD SALE AT EL CORRAL

El Corral Bookstore is having a Fall Record Sale featuring rock, pop, country and western, and classical selections. The albums on sale begin at \$1.99 up to \$9.99 for album sets. Early birds get the best selections. El Corral hours are 7:45 am to 4:30 pm on Monday through Friday, and 10:30 am to 2:30 pm on Saturday.

LIVESTOCK JUDGING TEAM RESULTS

The livestock judging team from Cal Poly was runnerup in team competition held on Oct. 28 as part of the 33rd annual Grand National Horse Show and Livestock Exposition at the Cow Palace in San Francisco.

Competing against 11 teams from across the nation, the team placed first in sheep, swine, and reasons to finish behind California State University, Chico. Texas A and M University was third; Texas Technological University, fourth; and Colorado State University, fifth.

The Cal Poly team, which included Keith Gardiner of Bakersfield, a senior agricultural management major; Jim Orr, Baywood Park, a senior in agricultural science; Randy Craven, Paso Robles, a senior in agricultural science; Mike Toewes, Manteca, a senior in animal science; and Greg Sheffield, Atascadero, a senior in agricultural management, also finished second in horses.

APPLICATIONS FOR CRAFTS SALE

Faculty and staff are urged to make applications to sell craft items during the annual Craft Center Christmas sale to be held on Thursday, Dec. 1, from 10 am to 5 pm, in the University Union.

Applications will be accepted at the Craft Center desk Monday, Tuesday, Thursday, and Friday from 1 pm to 4 pm. Limited space is available for all craft-oriented items. People interested in staffing the sale are welcome.

FORMER EMPLOYEE'S DEATH NOTED

President Robert E. Kennedy has been notified of the death of Mrs. Alice Daniel, secretary to Julian A. McPhee from 1933 until 1942, last week in Sacramento. Funeral Services were held on Tuesday, Nov. 8, in Sacramento.

END OF 7th WEEK

The 7th week of instruction will end at 5 pm on Monday, Nov. 14. This is the final day for submitting a petition to withdraw from a course. The university catalog states, "After the end of the 7th week of instruction withdrawals are permitted only if the withdrawal is based on an emergency situation clearly beyond the control of the student."

DATES FOR PERS INTERVIEWS LISTED

A retirement officer from the Los Angeles Area Office of the Public Employees' Retirement System will be in San Luis Obispo on the dates indicated below for the purpose of conducting individual interviews with members of the Public Employees' Retirement System. Priority for interviews will be given to those members who plan to retire in the near future. In order to maximize the use of machine calculations, all requests for interviews, along with the appropriate questionnaire, which is available in the Personnel Office, must be received by PERS four weeks prior to the date of interview. The PERS representative will be on campus on:

December 7,8,9

January 4,5,6

February 8,9,10

March 22,23,24

April 12,13,14

May 17,18,19

June 7,8,9

Interested members may arrange for appointments by telephoning the Personnel Office, Ext. 2236.



BOOKS AT HIGH NOON

Mary Lou Brady (Head, Learning Resources and Curricular Section, Library) and Ilene Rockman (Reference Librarian, Learning Resources and Curricular Section, Library) will discuss current trends in children's literature during the Books at High Noon program at noon on Tuesday, Nov. 15, in the Staff Dining Room.

The program will concentrate on contemporary issues reflected in such titles as "A Quiet Place" by Rose Blue (the foster child); "A Month of Sundays," by Rose Blue (divorce); "Learning to Say Goodbye When a Parent Dies" by Edna La Shan; and "Max" by Rachel Isadora (dancing school for a budding baseball player).

Faculty and staff are invited to attend programs of the Books at High Noon series, which is sponsored by the University Library.

KEEPING OUR WATER CLEAN

Harold M. Cota (Environmental Engineering) was reappointed on Oct. 27 to his post on the Central Coast Regional Water Quality Control Board by Governor Edmund G. Brown, Jr.

Dr. Cota, who is chairman of the board, was first appointed to the board in 1970 by the former governor, Ronald Reagan. The board meets monthly in different parts of the region which extends roughly from Santa Barbara to Santa Cruz. The board's primary responsibility is to insure the purity of state waters.

FLOWER AND MUSIC SHOW SCHEDULED ON TUESDAY

The student American Institute of Floral Design (SAIFD) will present a flower and music show, "Happy Holidays," at 8 pm on Tuesday, Nov. 15, in Chumash Auditorium of the Julian A. McPhee University Union.

Featured in the show will be Robert Gordon and Sherri Burns (both Ornamental Horticulture). Lu Shevlin, Dorothy Thompson, and The Trio will sing holiday melodies while Gordon and Ms. Burns make flower arrangements appropriate to the season.

The show will be divided into four themes: fall (Thanksgiving), Christmas, snow in the Christmas season, and the sacred meaning of Christmas. Members of the sponsoring group are creating unusual Christmas decorations that will be sold during the evening.

General admission tickets are priced at \$2 each. They are being sold at the ticket office in the University Union, the Plant Shop, and the Ornamental Horticulture Unit at Cal Poly; at Brown's Music Store in San Luis Obispo; and by members of SAIFD.

NEW SLO COUNTY TELEPHONE DIRECTORIES

The San Luis Obispo County telephone directories have arrived on campus and are ready for distribution. One telephone directory per telephone will be delivered to offices and departments via campus mail during the week of Nov. 14-18. Those needing more directories than have been delivered are asked to contact Jerry Maggetti (Mail Services Supervisor) Ext. 2510.

Offices and departments are being asked to collect and bundle their old telephone directories and leave them in their outgoing mail. They will be collected and sent to the recycling center.

KING TUT WITHOUT WAITING!

Arrangements are in progress to form a group or groups to go by bus to see the Treasures of Tutankhamun exhibit next year in Los Angeles. Three choices of dates will soon be submitted for the required reservation.

Groups with reservations between 8 and 9:30 am on a Saturday or Sunday between Feb. 15 and June 15, 1978, will not have to stand in line. The exact number in the group must be submitted so careful planning is a must. Tickets will be \$2, plus a \$10 reservation fee for the group.

For further information call George C. Laumann (Mathematics) Ext. 2465.

CAL POLY IN THE NEWS

News of Cal Poly's telescoping antenna tower has been heard far and wide. "Ham Radio Horizons," December, 1977, included a story along with a photo of President Robert E. Kennedy and Frank Clement during the presentation ceremony last June.

The 80-foot tower, valued at \$3,000, is a gift from Clement, a Cal Poly alum and president of Tri-Ex Tower Corporation. The new tower has been installed on the patio of the Engineering East Building. Edward J. Clerkin (Electrical Engineering) advisor to the Cal Poly Amateur Radio Club, said the tower should extend the range of W6BHZ, the club's ham station, well beyond its present range of South America and Japan.

PEACE CORPS OFFICE TO BE CONTINUED

A Peace Corps coordinator will be employed at Cal Poly for a second year in development of model professional recruitment program, according to Robert McCorkle (Project Director). The program calls for staffing an office with a returned Peace Corps volunteer enrolled at Cal Poly. Its goal is to identify and recruit applicants in assigned skills areas who are qualified for and who seek experience in international programs. The coordinator will work with faculty and staff, acting as a resource for information on Peace Corps programs under a contract with ACTION, the Washington, D.C. agency.

RECEPTION WILL HONOR DEAN CHANDLER

Everett M. Chandler (Dean of Students) who will retire on Dec. 31, will be the honored guest during a reception from 2 to 4 pm on Thursday, Nov. 17, in the Staff Dining Room. Coffee and cake will be served. All faculty, staff, and emeriti of the university are invited to attend.

CHAMBER ORCHESTRA CONCERT

Friday evening, Nov. 18, has been chosen for the first concert of the 1977-78 season for the Cal Poly Chamber Orchestra, according to Clifton E. Swanson, the ensemble's conductor.

Swanson (Music) said the concert will be presented at 8:15 pm in the Cal Poly Theatre. Admission will be free and the public is invited to attend.

Programmed for the performance are feature trumpet soloists Anthony Plogg and Lloyd Lippert, both from Los Angeles, who have been members of the San Luis Obispo Mozart Festival Orchestra for the past six years. Plogg has performed with the Los Angeles Philharmonic and Hollywood Bowl Symphony and Lippert is a member of the California State University, Los Angeles faculty.

The concert is being sponsored by the Music Department as part of its schedule of public performances.

COW PALACE GRAND CHAMPION

Student-shown animals from Cal Poly won major honors at the 33rd annual Grand National Horse Show and Livestock Exposition, which closed its 10-day run at the Cow Palace in San Francisco on Sunday, Nov. 6.

A steer shown by Kim Carey of San Luis Obispo, a junior majoring in animal science, was named Grand Champion of the show. The steer, a Maine-Anjou and Hereford crossbred, was purchased as a feeder calf and raised as a student enterprise project on campus.

A Maine-Anjou and Angus crossbred steer shown by Jeff Stone, a senior agricultural management major from Long Beach, was designated Reserve Grand Champion. The steer was purchased by the university as a feeder calf.

Other winners included Kelly Rodriguez, a junior animal science major from San Luis Obispo, who showed the Champion Shorthorn steer. First, second, and third places in the Junior Yearling Class and first and second places in the Summer Yearling Class, were also won by animals from the university.

Also included in the Cow Palace entry from the university was the show's Reserve Champion Pen of Lambs.

CANDIDATES FOR FACULTY POSITIONS BEING SOUGHT

Candidates for positions on the faculty of the university are presently being sought according to Donald L. Shelton, Director of Personnel 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.

Assistant Professor, \$14,256-\$17,136/academic year. School of Architecture and Environmental Design anticipates a full-time opening for Fall, 1978 in the area of Architectural Engineering. Prefer candidate with registration in civil engineering with a structural emphasis. Teaching and professional experience desired. Ph.D. required or in progress. Contact Dean, School of Architecture and Environmental Design. Closing date: 1-15-78.

Lecturer, \$14,256-\$17,136/academic year, School of Architecture and Environmental Design anticipates leave replacement openings for Fall, Winter, Spring Quarters, 1978-79 as Lecturers at the Assistant Professor salary range in the areas of Architecture and Architectural Engineering. Master's required. Prefer candidates with registration and teaching experience. Contact Dean, School of Architecture and Environmental Design. Closing date: 3-17-78.

Lecturer, \$5,980-\$7,208/quarter, temporary leave replacement position, Winter and Spring Quarters, 1977-78 academic year, School of Architecture and Environmental Design, in the areas of Architecture, Architectural Engineering and Construction. Duties: to teach courses in building support systems. Candidates should be a practicing professional engineer, knowledgeable in latest developments in energy technology, demonstrate experience in mechanical/electrical specifications, and hold a professional engineer's license. Master's degree and teaching experience required. Closing date: 12-1-77.

Lecturer, \$14,256-\$21,624/academic year, dependent upon qualifications and experience, Child Development Department, School of Human Development and Education. Possible position available for the 1978-79 academic year. A doctorate in Child Development or a closely-related field, demonstrated university-level and preschool-level teaching expertise are preferred. Duties: include teaching undergraduate courses in Child Development and supervising college students in on-campus and off-campus preschool laboratory settings. Closing date: 6-1-78.

Lecturer, \$4,336-\$5,712/one or two quarters only, 1978 winter and spring quarter, Physics Department. Duties: teaching of lecture and laboratory classes of introductory Physics. Advanced degree required. Closing date: 11-21-77.

Visiting Lecturer, \$5,980-\$9,116/quarter depending on qualifications and experience, Child Development Department, School of Human Development and Education. Sabbatical Leave Replacement, Spring Quarter 1978 only (March 23-June 10). A doctorate in Family Studies, Family Therapy, Marriage Counseling or a closely-related field and demonstrated university-level teaching expertise are preferred. Duties include teaching undergraduate courses in the Family Studies area. Closing date: 2-1-78.

Lecturers, \$4,752-\$7,208/quarter, based on 15-unit load and will be adjusted according to assignment. Graphic Communications Department, School of Communicative Arts and Humanities. Openings are anticipated during the Winter, Spring and Summer quarters 1978 for full and/or part-time lecturers in the following teaching areas: printing management, offset technology (camera, plate, image assembly and press) and other printing specialty areas. Duties: teaching lecture and lab classes to students at all levels as well as senior project advising. Industrial experience required, Bachelor or Masters degree preferred. Positions contingent on available resources. Closing date: 12-1-77.

Lecturer, \$11,960-\$16,592/year dependent upon qualifications, Business Administration Department, School of Business. Position available for the Winter and Spring Quarters, 1978 to teach undergraduate and graduate courses in Marketing. Doctorate in field is preferred but ABD's are encouraged to apply. Practical/professional experience desirable. Closing date: 11-30-77.

SUPPORT STAFF VACANCIES LISTED

Vacant support staff positions have been announced by Robert M. Negranti, Staff Personnel Officer. Descriptions of the positions and other vacancies are posted outside the Personnel Office, Adm. 110, Ext. 2236. Contact the Personnel Office to obtain an application. The 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.

Departmental Secretary I-B, \$814-\$974/month, Psychology Department. Duties: provide clerical support to the department head and faculty. Requirements: high school graduate, two years of clerical experience, type 45 wpm, shorthand 90 wpm, and must have taken the General Clerical Test. Closing date: 11-24-77.

Clerical Assistant II-A, \$729-\$871/month, Admissions and Records Office. Duties: working with student records, assisting with registration, preparation of grades, and processing applications for admission of students. Requirements: high school graduate, one year of clerical experience, type 45 wpm, and must have taken the General Clerical Test. Closing date: 11-24-77.



VACANT FOUNDATION STAFF POSITION

The Foundation is accepting applications for the following open position as announced by J. L. Fryer (Personnel Officer). Interested applicants may apply at the Foundation Personnel Office, University Union Building, Room 212, 546-1121. Cal Poly Foundation is subject to the requirements of Executive Order 11246 and is an Affirmative Action and Title IX Employer. All interested persons are encouraged to apply.

Office Supervisor, \$907-1087/month, Bookstore. Duties: Supervise cash handling, daily activity report, inventory adjustment report, coordinate student personnel hiring, maintain and prepare payroll for regular and student employees, and order office supplies. Requirements: two years office management experience, cash handling and supervision or related accounting assignment, and successful completion of at least four basic college courses in accounting (experience may substitute for two courses). Closing date: 11-24-77.



OFF-CAMPUS POSITION VACANCIES

Information on the administrative position vacancies listed below can be obtained from the Placement Office, Adm. 213, Ext. 2501.

East Texas State University, Texarkana, Executive Director of Academic Systems, \$36,540, earned doctorate and demonstrated leadership as an academic administrator. Deadline: Jan. 1, 1978.

Foothill-De Anza Community College District, Chancellor/Superintendent, salary is competitive with leading multi-college districts, earned doctorate and teaching and administrative experience required. Deadline: Jan. 6, 1978.

California State University, Fresno, Dean of the School of Professional Studies, \$29,748-\$35,976, earned doctorate and qualification for the rank of associate or full professor required. Deadline: Dec. 15, 1977.

encouraging notes

November 10, 1977

* CARE GRANT COMPETITION OPENS. Only one competition and application date for Creative Activity or Research Effort (CARE) proposals is scheduled for this academic year. The deadline is 5:00 p.m., Friday, January 20, 1977, for notification by the end of Winter Quarter.

CARE grant competition is open to all full-time faculty and academic employees on the tenure track. Proposals will be reviewed by the Research Committee on a competitive basis and recommendations will be forwarded to the Vice President for Academic Affairs for approval. Because of limited funding this year, special consideration will be given to proposals for seed grants that may lead to proposals for outside sponsorship. Proposals requesting less than \$1,000 will have a greater likelihood of success.

(Faculty members seeking support for instructional programs are encouraged to look elsewhere within the University for funding. The mini-grant program, funded for this purpose by the Chancellor's Office, is handled by the Academic Planning Office. Funds for FY 1977-78 have been allocated. If the program is funded for 1978-79, announcement and invitation for proposals will be made in February or March, 1978.)

Newly *REVISED* application forms are available as well as guidelines for the CARE grant in the Research Development Office, Administration 317, Extension 2982. If interested in applying, please contact the Research Development Office or your Research Committee School Representative:

Agriculture & Natural Resources	Art Duarte	Ext. 2047
Architecture & Environmental Design	Marcel Sedletzky	2972
Business	Milt Drandell	2932
Communicative Arts & Humanities	Ed Cairns	1202
Engineering & Technology	Phil Niles/Jon Hoffman	2643/2976
Human Development & Education	Mildred Roske	1116
Science & Mathematics	E. K. Perryman	2622
Social Science	James Coleman	2991

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* USDA - COMPETITIVE GRANTS FOR BASIC RESEARCH IN PLANT SCIENCES AND HUMAN NUTRITION. Congress and the President have approved a mission-oriented basic research grant program for FY 1978 in two areas of great importance to Americans and the world. The program is to build basic knowledge needed for major advances and breakthroughs in food production and human nutrition. It is designed to bring new people and organizations into these areas of research, under USDA's leadership. The program is not intended to replace or substitute for current, ongoing base programs in USDA and the State agricultural experiment stations. Funds will be used to support new research and accelerate existing highly promising research.

Areas of concern for plant sciences: (1) photosynthetic efficiency; (2) biological nitrogen fixation; (3) cellular and genetic engineering of plants; and (4) plant protection studies focusing on biological stresses placed on plants by such pests as insects, weeds, nematodes, viruses, bacteria, and fungi.

Areas of concern for human nutrition: (1) human requirements for nutrients necessary for optimum growth and well-being; (2) nutrient composition of foods and the effects of agricultural practices, handling, food processing, and cooking on the nutrients they contain; (3) surveillance of nutritional benefits in the evaluation of the USDA

food programs; (4) factors affecting food preferences and food habits; and (5) techniques and equipment to guide consumers in the selection of food for nutritionally adequate diets in the home or in institutions.

Guidelines are now being established for this program and will be announced.

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UPCOMING PROGRAM DEADLINES

- * 12/5/77 NSF - PUBLIC UNDERSTANDING OF SCIENCE PROGRAM. The Program objectives are: (1) to improve the scope, level and quality of information about science and technology addressed to the general public, especially with respect to the scientific and technological content of major public issues; and (2) to improve the techniques of distribution of information about science and technology to nonscientists. High priority will also be given to projects designed to increase public understanding of the consequences and implications of alternative technologies of energy, food production, and oceanic resource development. SE 77-60
- ** 2/1/78 EXXON IMPACT PROGRAM. Applications for funds under the IMPACT Program of Exxon Education Foundation may be submitted under these two deadlines. Under this program (Implementation of Materials and Procedures Affecting College Teaching), the Foundation disseminates information about certain educational innovations of demonstrated merit, and then shares the cost of implementation with institutions that wish to adopt one. All degree-granting colleges and universities within the United States are eligible. FRR 10/21
- * 2/1/78 NSF - ENGINEERING SPECIALIZED RESEARCH EQUIPMENT. Individual research workers, research groups, engineering departments, or engineering colleges may submit separate proposals which are exclusively for research equipment and do not request funds for faculty, graduate students or other staff. 77-45
- * 2/1/78 DOHERTY CHARITABLE FOUNDATION - FELLOWSHIPS FOR STUDY IN LATIN AMERICA. The Doherty Charitable Foundation offers a limited number of fellowships to U.S. citizens for advanced study in the republics of Latin America (Spanish- and Portuguese-speaking areas) in the disciplines of anthropology, economics, geography, history, politics and sociology. Grants will be made only to scholars whose primary interest is in Latin American Studies. Fellowship holders must spend a full twelve months in residence in Latin America; field research must be undertaken no later than December 1.
- ** 2/1/78 ROCKEFELLER FOUNDATION - ENVIRONMENTAL FELLOWSHIPS. The Foundation wishes to provide an opportunity for highly qualified individuals to acquire new knowledge and skills needed to resolve important environmental problems. This program seeks to allow persons with specialized training to engage for up to one year in research, public service or other relevant activities designed to broaden their capability for leadership in environmental affairs.
- * 3/1/78 JAPAN - U.S. FRIENDSHIP COMMISSION. The Commission has released an "Announcement of Programs: 1977-78" which is available for review in the Research Development Office. The Commission will fund a variety of programs to organizations in both the U.S. and Japan for: (a) Japanese Studies (for Americans); (b) American Studies (for Japanese); (c) The Arts (for both); and (d) Cultural Communications and Public Affairs (for the U.S.)

- * Guidelines and/or application forms are available in the Research Development Office, 317 Administration, 546-2982.
- ** Information requested by the Research Development Office and should be available soon.