

# CAL POLY

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## REPORT

California Polytechnic State University, San Luis Obispo

Vol. 41, No. 6      October 13, 1988

### Da Vinci II to be shown on national TV

Da Vinci II, the human-powered helicopter built by Cal Poly students, will be on national public television this month.

The popular PBS program "Discover: The World of Science" will air a segment on the craft as part of its season premiere, to be broadcast at 8 pm. Monday, Oct. 17, on most stations, including Los Angeles station KCET.

San Francisco public television station KQED plans to air the program first on Thursday, Oct. 20, also at 8 pm.

Repeat broadcasts are scheduled for 7 pm Saturday, Oct. 22, on KCET and 4 pm Sunday, Oct. 23, on KQED.

Cal Poly students have been trying since 1981 to be the first to achieve human-powered hovering flight. Their first helicopter was named Da Vinci in honor of Leonardo, whose 15th-century sketch of a man-pumped corkscrew-like device is the earliest known vision of a helicopter.

The aircraft to be featured on "Discover," Da Vinci II, was built last year and gained worldwide attention early this year. It was featured in magazines such as *Aviation Week*, *Popular Science*, and *Air & Space/Smithsonian*, in newspapers from coast to coast and overseas, and on radio and television in several countries.

Yet Da Vinci II never completely lifted off, and was severely damaged in a flight attempt in March.

About 35 Cal Poly students are now working on Da Vinci IIB. They include students majoring in aeronautical engineering and mechanical engineering as well as various other programs. They aim to test their new helicopter late this year or early next year.

In addition to entering the record books, the students hope to collect a \$25,000 prize the American Helicopter Society is offering to the first people who achieve human-powered hovering flight that meets specific criteria set by the society.

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### 'Cultural View' at Cal Poly

The Multi-Cultural Center is offering a look at global events and issues with its weekly "Cultural View" program.

The presentations are held every Tuesday at 11:10 am in UU 217-D.

The Fall Quarter schedule begins Oct. 18 with "Nigeria Today," a slide show and lecture by history professor Quintard Taylor.

Other presentations include: Oct. 25, "Chilean Poetry," by foreign languages lecturer Hernan Castellano; Nov. 1, "Crystal Consciousness: Perfection in the Universe," by Norma Tager, owner of Nature Gallery; Nov. 8, "Kenya and Tanzania," a slide show by local photographer and journalist Tina Amspoker-Ballantyne; Nov. 15, "Religion and Culture in South Korea," by theatre and dance professor Moon Ja Minn Suhr; and Nov. 22, "Nepal," by World Neighbors volunteer Phyllis Davies.

The Multi-Cultural Center is dedicated to increasing cultural awareness at Cal Poly by supporting the activities of more than 20 ethnic and cultural student organizations.

It houses a resource library with approximately 150 periodicals, journals and books.

For more information regarding individual programs or the Multi-Cultural Center call ext. 1405.

### Groups endorse Ballot Proposition 78

The California Taxpayers Association, the California Labor Federation, the AFL-CIO, the California Chamber of Commerce, the California Farm Bureau, and the California Teachers Association are just a few of the organizations who have endorsed Proposition 78 on the Nov. 8 ballot.

Prop. 78 is a \$600 million general obligation bond measure to fund construction and renovation projects at California's public colleges and universities over the next two years.

Five Cal Poly projects worth more than \$18.6 million will be included.

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### Women's Week proposals sought

The Cal Poly Women's Week Committee invites interested groups or individuals from the campus or the community to submit suggestions for participation in Women's Week 1989. To be held Feb. 10-17, the theme will be "Women and Creativity; Sharing Our Experience."

Send proposals, including your name, department or home address, phone number, and a brief paragraph about an individual presentation, panel organization, or guest speaker to Mary Whiteford, Academic Programs, by Oct. 20. If you have questions, call Willi Coleman at ext. 2476, or Mary Whiteford at ext. 2246. Please note that proposals submitted last spring will be considered for Women's Week, 1989.



### Cal Poly students will study abroad

Seventy-five students will be studying abroad this year as part of CSU International Programs. The students are among 391 chosen from the 19 CSU campuses. Cal Poly continues to lead the other campuses in the number of students selected for the program.

International Programs is the official overseas study program for the CSU. It offers qualified students the opportunity to study in one of 16 countries for an academic year. Students pay regular campus fees and receive resident credit for all coursework. Living and transportation expenses are paid by the student and regular financial aid (except work study) is applicable.

Forty-one Cal Poly students will be going to Denmark and Italy, primarily for architecture programs. Other locations where students will study are Brazil, France, Germany, Japan, Mexico, New Zealand, Quebec (Canada), Republic of China (Taiwan), Spain, Sweden, and the United Kingdom.

Two Cal Poly faculty members also will participate in the program as resident directors: Dr. John McKinstry in Japan and Dr. William Little in Spain.

### California growth in 1990s topic of talk

An internationally known economic researcher will speak in the Theatre on Tuesday, Oct. 18, on the outlook for real estate development in California and the nation in the coming decade.

Dr. John Hebert will lecture at 11:15 am on "California in the 1990s — Growth and Economic Realities." The audience will be able to ask questions at the end of the presentation.

In his talk, Hebert will examine such questions as the possibility of real estate booms in the 1990s, the

future of agriculture and tourism in California, and whether the state is reaching the limits of its growth.

As a researcher and consultant for more than 15 years, Hebert has specialized in analyzing market and economic trends. At the Batelle Institute in Seattle for nearly 10 years, he directed the efforts of 25 researchers in more than \$10 million of contract research on environmental and energy-related issues.

Hebert's lecture is sponsored by the School of Architecture and Environmental Design as part of its 1988-89 Distinguished Lecturer Series. For more information, contact Dr. Matt Wall in the Construction Management Department at ext. 1323.



### Traffic advisory

The official opening of the \$7.4 million Agricultural Sciences Building will take place at 10 am on Thursday, Oct. 20. Faculty, staff and students are reminded that traffic will be heavy in the vicinity of the new building after 9 am. In addition, certain streets will be blocked off for School of Agriculture festivities. You may need to take alternate routes to get to your usual parking place.

### Team Tournament Day set for Oct. 14

Special Olympics athletes will play Frisbee golf, earth games, run-dribble-shoot, and a variety of wheelchair sports during the Special Olympics "Team Tournament Day," set for Friday, Oct. 14.

The program is being organized by students enrolled in a recreation administration course, Recreation for People with Disabling Limitations.

Volunteers are needed as helpers during the event. They will assist athletes by giving instruction, carrying equipment, cheerleading, giving hugs, offering moral support, running messages, and, of course, helping set-up and clean-up. Volunteers can sign up ahead of time or show up the day of the event.

Team Tournament Day will begin about 9 am at the soccer field near the Mott Physical Education Building.

Lunch for the athletes will be provided by the San Luis de Tolosa Kiwanis Club. Kiwanis members will also present awards to the athletes for their accomplishments during the tournament.

For more information call Kim Veitch, ext. 2476, or the Special Olympics Office, 544-6444.



### Children's Center receives state grant

For the 13th consecutive year the California Department of Education has awarded the Cal Poly ASI Children's Center a cost-reimbursement grant for free and reduced-cost meals for children.

The grant will compensate the center for about 30% of the cost of providing meals to its children. Last year the center received just over \$11,000 in its cost-reimbursement grant.

Families using the center's services must provide income information to show their need for the services. Children in its infant-toddler and preschool programs are primarily the sons and daughters of Cal Poly students. Children of faculty and staff are admitted to the preschool program on a space-available basis.



## **Campus, Community create task force**

Students at Cal Poly will be encouraged to participate in community service activities while attending school, due to the newly organized Human Corps Task Force program.

Members of Cal Poly's staff and faculty and key community, business, and student leaders have joined to create the task force, formed as the result of Assembly Bill 1820.

The bill, introduced by Assemblyman John Vasconcellos (D-San Jose), is known as the Human Corps Bill. It creates a Human Corps within the University of California and the California State University systems, and encourages all students to contribute an average of 30 hours of community service during each academic year.

The purpose is to provide students the opportunity to help others, to become more familiar with social issues facing their communities, and to offer skills and assistance to community service organizations. It has been estimated that California could have as many as a half-million volunteer/intern hours per month as a result.

Examples of eligible activities are tutoring, literacy training, neighborhood improvement, increasing environmental safety, assisting the elderly or disabled, and providing mental health care to disadvantaged or low income residents.

Cal Poly already has several programs that meet many of the criteria of the Human Corps Bill.

These include Student Community Services, an organization that matches student volunteers with individuals and agencies in need of assistance; academically related internships and projects involving community service; student club service projects; many fraternity and sorority activities; and recognition programs that honor students for their community service.

Volunteerism is gaining momentum all across the nation. According to Business Week's 1988 "Hip Parade" survey, volunteering and social commitment

have replaced networking and materialism on the "What's In" list.

For more information about the Cal Poly Human Corps Task Force, call Sam Lutrin at ext. 2476.

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## **Wellness Decathlon to be held Oct. 18**

The Wellness Decathlon will be held on Tuesday, Oct. 18, from 10 am to 3 pm in the UU Plaza. Twelve stations will be available for you to assess your physical, emotional, social, spiritual and intellectual health.

Students, faculty and staff are encouraged to participate in as many events as they feel their bodies need. The finish line, staffed by Health Center professionals, will provide follow-up information for decathlon competitors. All events are free of charge. For more information contact Health Education at ext. 1211.

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## **Mottmann leads Physics Department**

Dr. John Mottmann, a 14-year member of the Physics Department faculty, is the department's new chairman.

Mottmann began a three-year term in the post this quarter, succeeding Dr. Leonard Wall, who returned to full-time teaching.

The new chairman earned a doctorate in astronomy at UCLA in 1972 after earning his bachelor's and master's degrees there.

His research has included work at the Image Processing Laboratory of Caltech's Jet Propulsion Laboratory in Pasadena, Aerospace Corporation's Space Radio Systems Facility in El Segundo, and other astronomical observatories.

Mottman came to Cal Poly in 1974 after teaching at Santa Monica Community College.

## **Thesis orientation workshops offered**

Three one-hour thesis orientation workshops will be offered this quarter for graduate students. The orientations will familiarize students with master's thesis procedures and submission requirements and use of the Kennedy Library in conducting research for a thesis. Points to be covered in library use include starting the initial research, on-line searching, and copyrights or patents.

The orientations will be held in the Library, Room 202, Wednesday, Oct. 19, 4-5 pm; Wednesday, Oct. 19, 7-8 pm; and Thursday, Oct. 20, 11 am-noon.

Students should attend only one of the sessions. For further information, contact Marilyn York at ext. 1508.

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## **Foundation board to meet Oct. 28**

The next regularly scheduled meeting of the Foundation board of directors will be Friday, Oct. 28, at 9 am in Admin. 409. This is a public meeting. For further information about this meeting or to obtain a copy of the meeting agenda, contact Al Amaral (executive director, Cal Poly Foundation) at ext. 1131. A copy of the agenda packet is available for public review at the Kennedy Library Reserve Desk (Room 114) and at the Academic Senate Office in FOB 25H.

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## **Library survey**

The Library Serials Review Committee is distributing a periodicals use survey to elicit opinions concerning periodical titles. Faculty are urged to respond, as survey results could be a determining factor in the decision to retain or cancel periodical titles. Copies of the survey will be available through individual departments.



### Dateline. . .

(\$) - Admission Charged

**THURSDAY, OCT. 13**

**Speaker:** Molly Giles (fiction writer) will speak as part of the WriterSpeak series. Sandwich Plant, 7 pm.

**FRIDAY, OCT. 14**

**Team Tournament Day:** Special Olympics athletes will compete in non-competitive organized sports. Soccer Field near Mott P.E. Bldg, 9 a.m.

**Soccer:** CSU Bakersfield, Stadium, 7 pm. (\$)

**SATURDAY, OCT. 15**

**Football:** Cal Lutheran, Stadium, 7 pm. (\$)

**Concert:** The Franz Liszt Chamber Orchestra will perform as part of the Quintessence Series. Theatre, 8 pm. (\$)

**Concert:** Shadowfax, Chumash, 7:30 and 9:30 pm. (\$)

**SUNDAY, OCT. 16**

**Exhibit:** "Light From Another Country" featuring art from California prisons. Continues through Friday, Nov. 11. UU Galerie.

**MONDAY, OCT. 17**

**Film:** "The Green Wall," Chumash, 7:30 pm. (\$)

**TUESDAY, OCT. 18**

**Speaker:** Dr. Quintard Taylor (History Dept.) will show slides and discuss "Nigeria Today." Multi-Cultural Center, UU 217D, 11 am.

**Speaker:** John Hebert (Hebert Smolkin Associates) will discuss "California in the 1990s — Growth and Economic Realities." Theatre, 11:15 am.

**WEDNESDAY, OCT. 19**

**Film:** "The Aristocats," Chumash, 7 & 9 pm. (\$)

**Soccer:** St. Mary's, Stadium, 7 pm. (\$)

**Speaker:** Howard Rosenberg (L.A. Times TV critic) will discuss "The Media and the Political Process." Theatre, 7:30 pm.

**THURSDAY, OCT. 20**

**Open House:** Ag Sciences Building Open House. Courtyard entrance to the new structure, 10 a.m.

**FRIDAY, OCT. 21**

**Laugh Olympics:** (Homecoming) Annual Laugh Olympics, Softball Field, 2 p.m.

**Banquet:** (Homecoming) Honored Alumni, Embassy Suites, 6 pm. (\$)

**SATURDAY, OCT. 22**

**Exhibit:** "Selections '88," features alumni artwork. Dexter Art Gallery.

**Alumni BBQ:** (Homecoming) Pre-Game, 3-Acre Park, 11 am. (\$)

**Football:** Cal State Hayward, Stadium, 2 pm. (\$)

**Reception:** (Homecoming) Post-Game, Alumni House, 4 pm. (\$)

**SUNDAY, OCT. 23**

**Breakfast:** (Homecoming) Senior Alumni, Staff Dining Rm., 8:30 am (\$)

### Position Vacancies

Vacant staff positions at Cal Poly and the Cal Poly Foundation are announced in this column and are posted outside the respective offices. Contact those offices (State: Adm. 110, 805-756-2236) — Foundation: mobile unit near the Fire Department (805-756-1121) for applications and additional position details. Both Cal Poly and the Foundation are subject to all laws governing affirmative action and equal employment opportunity. Cal Poly hires only individuals lawfully authorized to work in the United States. All eligible and interested persons are encouraged to apply. Applications must be received by 5 pm or postmarked by the closing date.

#### State

**CLOSING DATE: 10-26-88**

**Library Assistant II**, \$1902-\$2276/month, University Library/Cataloging.

**Power Keyboard Operator**, \$1574-\$1862/month, Cooperative Education.

**Power Keyboard Operator**, \$1574-\$1862/month, Personnel and Employee Relations.

**Secretary**, \$1607-\$1902/month, Fiscal Operations.

### Surplus equipment

Department technicians are invited to preview surplus equipment to be sold at the coming Surplus Property Sale. Preview dates are Monday through Friday, Oct. 17-21 only. If any surplus items are wanted by departments, technicians may arrange for transfer of the items until Friday, Oct. 21, 1988. No transfers may be made of surplus equipment after Friday, Oct. 21 — **without exception.**

### Resident directors for overseas centers

Applications are invited for assignments as resident directors of the overseas study centers of the International Programs of The California State University for 1990-91 and 1991-92.

Appointments are made a year in advance so that those selected will have adequate time to plan for a year or two overseas. The positions of resident director for Germany and Sweden are 12-month appointments. For France, Italy, and Spain the appointment is for an academic year. Part-time (1/5) appointments are made for Israel and Japan.

Qualifications include: Full-time, tenure-track, appointment to the faculty or academic administrative staff of a California State University; possession of a Ph.D. or other terminal degree, and some actual overseas experience. Ability to speak and write the relevant language (for France, Germany, or Spain appointments); language ability is desirable for all other countries. Ability to administer and coordinate all aspects of the International Programs at the study center abroad. It is desirable that the applicant have had experience in expending and accounting for state funds.

The deadline for submission of all application materials is Dec. 15. Applicants selected for an interview will be contacted shortly after Feb. 1, 1989, and all applicants will be notified of the final selections not later than May 1989.

Application forms and further information may be obtained from Donald Floyd, Social Sciences FOB 13-B, ext. 2828 or 2260; or from the Office of International Programs, The California State University, 400 Golden Shore, Suite 300, Long Beach, CA 90802-4275. Call (213) 590-5655.