

CAL POLY REPORT

California Polytechnic State University
San Luis Obispo, California 93407

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Alcohol fuel project asks help

Assistance of faculty members, students, and others who have technical data relating to the technology of alcohol fuel production is being sought by a team of five Cal Poly students. David Wyatt, spokesman for the student team which is working with project director Bruce Kennelly (Chemistry) said the group needs information in any of several forms that can be cataloged and maintained as a resource for the campus project.

Purpose of the project, which began in June, 1980, under a \$40,000 grant from the California Department of Food and Agriculture, is to develop an educational program in the technology of alcohol fuel. In reaching that goal, the team of agriculture, engineering, and science students hopes to develop an operating pilot distilling system for instruction, demonstration, and use in providing alcohol for experimental use in vehicles.

Wyatt, a biochemistry major, said the team is hopeful that the project building located across Highland Drive from the Crops Unit on the site of the old Swine Unit will become a clearing house and center for campus activity related to biomass fuel production.

Anyone who has data regarding alcohol fuel production and who is willing to share it with the project team can contact team members in Room D-31 of the Science Building during the afternoon on weekdays or leave a message, name and phone number in the Chemistry Department Office, Science D-1, Ext. 2693.

Public Affairs Has New Director

The man who has directed news and information services at University of Rhode Island for the past six years will become director of public affairs at Cal Poly next month. Appointment of Stan Bernstein to lead Cal Poly's multifaceted public affairs program beginning in mid-December has been announced by Dale W. Andrews (Executive Vice President).

Bernstein's selection for the position was recommended by a university-wide committee that conducted a national search and screened over 80 candidates for the position. He will succeed Donald L. McCaleb, who has been acting director of public affairs since May, 1979. McCaleb will return to his former duties as Cal Poly's public information officer.

The new director of public affairs has over 15 years of experience in the news and university relations fields. At University of Rhode Island since 1974, he

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has directed the internal and external communications for the major research university of approximately the same size as Cal Poly.

Before that, Bernstein was administrator of news and media services for Aetna Life and Casualty Co. in Hartford, Conn.; a public relations representative for International Business Machines Corp. in New York City; and a desk editor and writer for the Los Angeles Times.

A graduate of New York University, where he earned a bachelor's degree in business administration, and University of Missouri, where he completed study for his master's degree in journalism, Bernstein is a native of the Bronx, N.Y. He is a member of the Council for the Advancement and support of Education and was chairman of the District I Convention of that organization in Boston, in 1975.

Trustees' actions reported

The Board of Trustees of The California State University and Colleges took the following actions at its meeting on Wednesday (Nov. 12):

- Authorized the Chancellor to take the necessary steps, including an agreement with the Director of Finance, to seek a supplementary appropriation from the General Fund to fund student enrollment which exceeds by 3.5 percent the projected enrollment, upon which the CSUC budget was based, in order to ensure that all qualified students can be admitted to the system during the 1980-81 academic year.
- Approved a 1981-82 Support Budget request to the Governor and the Legislature totaling \$961.7 million for the CSUC system.
- Urged the Governor and the legislature to provide, by 1981-82, funds to permit an across-the-board increase of a minimum of 11 percent in salaries for faculty and other academic employees. Further resolved that since CSUC faculty real income has fallen behind for the past 12 years and their present salary reflects a decline of 26.7 percent in real income during this period, the Trustees request the legislature to address and remedy this decline, under a formula previously adopted, which would gradually remedy this loss beginning with an additional 6.7 percent increase this year. Also requested funds to permit fringe benefit improvements equivalent to those granted other state employees, including, if possible, a dental plan.
- Urged the Governor and the Legislature to provide by 1981-82 funds to permit an across-the-board increase of a minimum of 11 percent for the administrative, support staff, and other non-academic employees. Further resolved that since non-academic employees have fallen substantially behind in their real income, the Trustees request the Legislature to remedy this by an additional increase to these employees up to 6.7 percent. The Board also requested funds to permit additional equity salary adjustments for selected classes, such adjustments to be considered at the Board's January 1981 meeting; and requested funds to permit fringe benefit improvements equivalent to those granted other state employees including, if possible, a dental plan.
- Revised the policy on Student Health Services to provide family planning/birth control services as a basic health service supported within existing resources by the Student Services Fee, effective with the fall term 1981.

'Quintessence' features violinist

Violinist Mari Tsumura will perform as the second attraction of Cal Poly's Quintessence fine arts concert series on Friday (Nov. 21) at 8:15 pm in the Cal Poly Theatre. Miss Tsumura will present works by Tartini, Mozart, Brahms, Stravinsky, Debussy, and Paganini, accompanied on piano by Raul Herrera. The public is invited. Single tickets, available at the door, will be \$4 for students and \$6 for public.

Mari Tsumura has been recognized by the Mainichi, Merriweather Post, and Leventritt competitions, and has performed as soloist with more than 75 symphony orchestras. With the National Symphony, she performed for President Lyndon Johnson at the White House, and has played under well-known conductors Arthur Fiedler and Zubin Mehta.

'Fun Run' is for all

A "fun run" race with five and ten kilometer distances in three different categories will be held at Cal Poly on Sunday (Nov. 23). The race, sponsored by Cal Poly's chapter of California Association of Health, Physical Education, Recreation and Dance (CAHPERD), will begin at 9 am in front of the Business Administration and Education Building.

The public is invited to participate in any of the categories: age 16 and under, ages 17 to 35, and over 35. Turkeys, donated by Williams Brothers Market chain, will be awarded to the first finisher in each category. The race will go, rain or shine.

Pre-registration entry fees are \$2 for 16 and under (\$3.50 with a CAHPERD T-shirt) and \$4 for adults. Day of race fees are \$5 for all. Entry forms are available at the Cal Poly Physical Education Department office. Pre-registration ends Friday (Nov. 21).

Those under 18 must complete release forms signed by parents or guardians. The route of the race is detailed on the entry forms. Entrants may enter either of five or ten kilometer distances but not both. For further information, call Laura Wells (805) 541-6718 or Brad III (805) 543-2727.

The New York Times commented, "Where delicacy, lyricism, and color were in demand, Mari Tsumura's playing came close to perfection.... velvety tone, flickering coloration, and fine-spun phrases."

The program for the campus concert will be Sonata in G minor by Tartini; Mozart's Sonata in E minor K. 304; Sonata No. 3 in D minor, Op. 108 by Brahms; "Berceuse" from Stravinsky's "Firebird Suite;" Sonata in G major by Debussy; and two pieces by Paganini, "Moto Perpetuo," Op. 11 and "Moses Fantasy."

Quintessence is an annual recital series sponsored by the ASI Fine Arts Committee. Next concert in the series will be the Armadillo String Quartet on Friday (Jan. 16) in the Cal Poly Theatre. For ticket information, call the ASI Business Office, Ext. 1281.



Holiday Open House

Faculty, staff and their families are invited to attend a holiday Open House at El Corral Bookstore on Saturday (Nov. 22) between the hours of 10:30 am and 2:30 pm.

The party is intended to introduce the bookstore's new assortment of Christmas decorations and fine gifts. Please join in the fun! Free gift wrapping and refreshments!

Gift books and calendars now on display at El Corral Bookstore. Selections include childrens books, art, cooking crafts, antiques, and much more. Faculty and staff are invited to do their Christmas shopping early for best selection.

Christmas floral design show

"Christmas Decor from Shore to Shore" will be the theme of the annual floral design show to be presented by student members of the Cal Poly chapter of floral designers on Friday (Nov. 21). The free show, featuring Christmas decorations prepared by a four-student team, will be presented twice, at 7:15 pm and 8:30 pm, in Chumash Auditorium. The show will include commentary by Robert L. Gordon (Ornamental Horticulture), music by Dorothy Thomson at the keyboard; and a singing trio.

In addition to the show, there will be floral exhibits based on senior projects, classroom work and enterprise projects on display from 7 pm to 10 pm. A bus service will operate from the parking lot of the Grand Ave. campus entrance to Chumash Auditorium at regular intervals during the evening.

Socrates' theories for discussion

Death, variously described as the end or great transition in life, will be the topic of the Humanities Sunday Evening Forum Series program being planned for Sunday (Nov. 23) at Cal Poly. Featured during the program, which will begin at 7:30 pm in University Union 220 will be a showing of "The Death of Socrates," a film originally produced for the British Broadcasting Corp.

Described by the coordinator of the forum series, Judy Saltzman (Philosophy), as an excellent introduction to the Greek philosopher's last days in prison, he fearlessly faced death and presented arguments for the immortality of the soul to his disciples.

Following the film, the Socrates' death and arguments regarding the immortality of the soul, life beyond death, and reincarnation will be discussed by two new members of Cal Poly's philosophy faculty, Charles Hagen and Patricia Forgie. The program will be free and open to the public. The series is sponsored by the School of Communicative Arts and Humanities.

Thanksgiving Holiday schedules

FOOD SERVICE

Everette Dorrrough (Food Service Director) has announced the following food service hours of operation for the Thanksgiving holiday period:

Wednesday, Nov. 26

Staff Room 7:30 am to 4 pm

Vista Grande

Restaurant 11 am to 7 pm

Thursday, Nov. 27

Vista Grande

Restaurant 11 am to 5 pm

Friday and Saturday, Nov. 28-29

Vista Grande

Restaurant 11 am to 7 pm

Sunday, Nov. 30

Burger Bar 5 pm to 12 midnight

Vista Grande

Restaurant 11 am to 7 pm

Vista Grande Cafeteria closes after lunch on Tuesday, Nov. 25, reopens for breakfast on Monday, Dec. 1.

LIBRARY

The University Library will be on the following schedule during the week of Thanksgiving:

Tuesday (Nov. 25) ... 7:30 am to 5 pm

Wednesday (Nov. 26) 7:30 am to 5 pm

Thursday (Nov. 27) Closed

Friday (Nov. 28) 8 am to 5 pm

Saturday (Nov. 29) 8 am to 5 pm

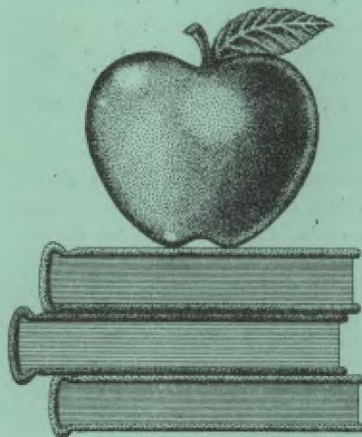
Sunday (Nov. 30) 1 pm to 10 pm

(entire Library)

Extended hours 10 am to 1 pm

10 pm to 12 midnight

The following areas of the Library are open during extended hours: lobbies, photoduplication room, circulation desk, limited loan/reserve room, room 207A, and the general stacks area.



Books at High Noon

President Warren J. Baker will review "At the Pleasure of the Board," by Joseph F. Kauffman at 12 noon, Tuesday (Nov. 25) in the Staff Dining Room, for the Books at High Noon program. The book deals with the duties and responsibilities of a college president. This is the last program for the Fall Quarter.

President Baker has an extensive background in university administration and teaching. Prior to his arrival at Cal Poly in Sep. 1979, he was Vice President for Academic Affairs at the University of Detroit. He advanced through all the professorial ranks at Detroit where he taught civil engineering. Baker received his Ph.D. from the University of New Mexico.

Conservation reminder

All faculty and staff are reminded that the university is required to comply with federal energy guidelines addressing the need for energy conservation. The Plant Operations staff will be adjusting building ventilation systems so that the ambient temperature in each area will be approximately 68 degrees farenheit, the maximum temperature allowed by law for heating conditions.

University employees are particularly cautioned that resistance electrical heating devices to raise room temperatures are specifically prohibited since they are grossly energy inefficient. It is hoped that the cooperation of the university community will aid in the energy conservation effort and reduce the ever-increasing costs of utility services.



Late payday

According to Tony Flores (Financial Manager), payroll warrants for the month of November will be available for distribution to Cal Poly employees on Tuesday (Dec. 2) at 3 pm rather than Monday (Dec. 1). This action is necessitated by the four-day weekend during the Thanksgiving Day holiday (Nov. 27 to 30) during which time the University will be closed. Employees are being notified at this time so that personal finances can be arranged accordingly.

Cal Poly Report copy intended for the next issue should be submitted to Betty Holland, Adm. 210, Ext. 2576, prior to 12 noon on Monday.

Cal Poly Dateline is compiled by the Public Affairs Office, Adm. 401, Ext. 2246, and is published on Mondays. Typewritten copy intended for the next issue should be submitted to Cathy Burt, Adm. 401, prior to 12 noon on Wednesday.

Publications Editor: Fred Wolf, Ext. 2158, Adm. 210.

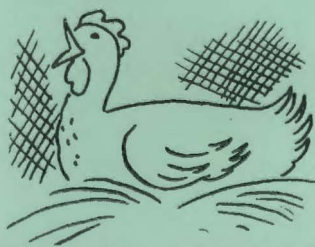
Farm-City Day

A touch of the country will be coming to the Madonna Road Plaza in San Luis Obispo on Saturday (Nov. 22) as the School of Agriculture and Natural Resources cosponsors its annual Farm-City Day observance.

The event, being hosted jointly with the Madonna Road Plaza Merchants Association, will feature such attractions as a petting zoo, a farm olympics, and agricultural exhibits.

Also scheduled are pony rides for the kids, a soils clinic and a demonstration of the bucking machine used by Cal Poly's rodeo team. Among the most popular attractions are the petting zoo, always a favorite with the children who will have an opportunity to pet small farm animals, and the farm olympics, featuring skill contests that are agriculturally related.

The event is scheduled from 10 am to 3 pm with over 10 clubs from the School of Agriculture and Natural Resources participating.



STAFF VACANCIES

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 II, \$1110-\$1330/month, Aeronautical and Mechanical Engineering Department. Duties: Ability to use word processing and modern dictating equipment; ability to do technical typing; ability to interface with students, faculty and guests. Knowledge of English, grammar, spelling and punctuation. Requirements: Four years of clerical experience, with at least one year of secretarial experience with a wide range of responsibilities and duties, type 45 wpm, and must have taken the General Clerical Test. Closing date: 12/5/80

Clerical Assistant II-A, \$473-\$565/month; half-time, Special Collections and Archives Department, Library. Duties: Check in and process University archival materials, prepare and receive senior projects on microfiche; responsible for membership record keeping for the Library Associates; type and file catalog and index cards, type and file general correspondence. Filing experience, must have an eye for detail; accuracy and systematic work habits are essential. Should be able to work well with the public. Requirements: One year of clerical experience, type 45 wpm, and must have taken the General Clerical Test. Closing date: 12/5/80

Clerical Assistant II-A, \$473-\$565/month; half-time, Reference Department, Library. Duties: File and insert hole-punched sheets into ring and post binders in the many updating services in the Reference Department; file other miscellaneous materials; perform other clerical duties as assigned. Filing experience and aptitude preferred; must have an eye for detail and accuracy; systematic and consistent work habits are essential. Requirements: One year of clerical experience, type 45 wpm, and must have taken the General Clerical Test. Closing date: 12/5/80

Clerical Assistant II-A/B, \$946-\$1198/month; six-month leave replacement, Placement Center. Duties: Handles inquiries and greets students and employer representatives who visit the Placement Center. Works with extensive mailing lists, logs in fees, maintains employment records on 4000 yearly graduates, files brochures, and types a weekly employment bulletin. Requirements: One year of clerical experience, type 45 wpm, shorthand 80 wpm (to qualify as "B"), and must have taken the General Clerical Test. Position available January 19, 1981. Closing date: 12/5/80

Lead Custodians, \$1038-\$1242/month; three positions to fill, Plant Operations. Duties: Guides, checks, corrects, reports on and works with a group of custodians; trains and instructs custodians in the proper use of equipment, materials, and accepted custodial techniques; assists custodians in the performance of their duties; make inspections; reports faulty equipment and repair needs. Requirements: Two years of custodial experience where the individual has displayed supervisory potential. Hours: 4 a.m. to 12:30 p.m., Monday-Friday, but shift may vary. Closing date: 12/5/80

FOUNDATION VACANCIES

The Foundation is accepting applications for the following open positions, 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 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 qualified persons are encouraged to apply.

Food Service Supervisor, \$948-\$1135; full-time, Responsible for all phases of service and production in a short order, walk-up facility and an ice cream shop. Requirements: High School equivalent plus three years of food service experience, one of which at a supervisory level. Educational training in food service may be substituted for up to two years of experience. Closing date: 12/4/80

FACULTY VACANCIES

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, \$17,964-\$21,600/academic year; depending upon qualifications, Music Department, School of Communicative Arts and Humanities. Tenure track position to begin Fall Quarter, 1981. Duties and responsibilities: Teach music appreciation and music history courses and guitar. Candidates must have Ph.D. in Music History-Literature or Music Education with expertise in the field of music in General Education at the college level. Closing date: 1/23/81

Lecturer, \$5,988-\$7,200/quarter, Soil Science Department, School of Agriculture and Natural Resources. Position available Winter and/or Spring Quarters, 1981, to teach Introductory Soil Science and Fertilizers courses. Duties will include teaching both lecture and laboratory sections of these courses. An MS in Soil Science is desired and the candidate should have had previous experience in teaching in the area of Introductory Soils and/or Fertilizers, as well as experience on the farm in agricultural production. Closing date: 12/4/80

Department Head, \$22,620-\$34,476/academic year; depending upon qualifications, Construction Department, School of Architecture and Environmental Design. Full-time position to teach courses in the major with part-time administration. Emphasis on teaching construction practice and theory, mainly in laboratory classes. Master's degree with approximately ten years in responsible construction operations; administrative experience desired. Background in engineering, construction practices, estimating, planning, scheduling, costs, economy and computer applications desirable. No tenure in Department Head position; however, tenure on teaching faculty can be awarded under current University guidelines. Position available September 1981. Closing date 2/2/81

encouraging notes

November 20, 1980

CAL POLY GRANTS. The 1980 annual report on training, research, and other projects has been distributed to all faculty. The report details proposals submitted and grants received during the 1979-80 Academic Year. If you have not received a copy, call extension 2982.

The CSUC system has published its annual report of grants and contracts received. Grants from all sources (including CARE grants) totalled 1,910 with a value of \$68,218,376. The most prolific campus in the system was Cal State San Diego, with 258 grants valued at \$14,717,797. Cal Poly ranked 12th on the list, with 52 grants valued at \$1,628,672.

- ** EPA - PARTNERS IN RESEARCH. The Office of Research and Development at the Environmental Protection Agency currently provides assistance for mission related research and development projects through headquarters and 15 major laboratories located throughout the United States. ORD's research objectives are contained in the annual Program Guide. Research topics supported by the Office of Research and Development are intended to stimulate long-range, investigator-initiated projects.

Consideration for the award of a research grant will be given to fully-developed proposals, provided: (1) the project is research (as compared with development, demonstration, survey, or preparation of materials and documents), (2) the project is of a long-range nature (frequently more than two years), and (3) the project is germane to EPA's mission. ORD supports research in environmental engineering and pollution control processes, the protection of human health from environmental pollutants, environmental chemistry and physics, and environmental biology.

DEADLINE: February 15, 1981

- * DOT - FACULTY FELLOWSHIPS AVAILABLE. Applications are being accepted by the Department of Transportation under the fiscal 1981 DOT Faculty Fellow Program. The application review process will begin on DECEMBER 15, 1981. However, applications will continue to be accepted after that date until all positions are filled. Faculty members from accredited colleges and universities in the United States are eligible to apply for the one-year fellowships. Under the fellowship program, the fellow's work will be done at a specified DOT facility and not at the university.
- ** NSF - INFORMATION DISSEMINATION FOR SCIENCE EDUCATION. Nonprofit organizations, including colleges and universities, are eligible to submit applications under the Information Dissemination for Science Education Program of the National Science Foundation. The program is intended to strengthen the capabilities of elementary and secondary schools, as well as colleges and universities, to improve science and mathematics education. Applications are due JANUARY 14, 1981.
- Special Focus Projects under the IDSE program provide an additional mechanism for encouraging innovative information dissemination projects in science and mathematics at all educational levels that focus primarily on women, minorities, and the handicapped. Formal proposals should be received by FEBRUARY 1, 1981, while NOVEMBER 30, 1980, is the date by which a brief letter of inquiry describing an intended project should be mailed by prospective applicants.

DEREGULATION OF HIGHER EDUCATION. At a recent meeting Sheldon Steinbach, American Council on Education Attorney and member of President-elect Reagan's task force on education, indicated that deregulation of education would be a high priority for the new administration. This goal presents an excellent opportunity for the faculty and administrators at Cal Poly to community their concerns and recommendations regarding Federal program and OMB regulations. Please forward suggestions for changes to the Research Development Office for transmission to our Washington Office, which will act as intermediary with the transition team. Following are some of the questions which you might wish to address:

1. Which Federal programs have unduly restrictive regulations and how should they be changed?
2. Which Federal regulations concerning facilities, students, faculty or programs should be eliminated altogether?
3. Which Federal regulations require excessive paperwork or reporting requirements? How might such burdens be reduced?

Please send all comments in writing by November 26, 1980.

* NSF - REMINDER. The National Science Foundation has set a JANUARY 5, 1981 deadline for applications under its Science Faculty Professional Development Program. Awards are offered to experienced college and university science teachers to pursue 3 to 12 months of research or study for the purpose of enhancing their instruction of undergraduate students at their home institutions. Recipients may affiliate either with academic institutions or with industrial laboratories or other non-academic organizations. Applications to affiliate with non-academic institutions are strongly encouraged. Approximately 70-90 awards are anticipated. Stipends are calculated on a salary-matching basis. A travel allowance and host institution allowance is also provided. A copy of the brochure is available in the Research Development Office.

*** NSF - COORDINATED EXPERIMENTAL RESEARCH. NSF's Division of Mathematical & Computer Sciences has set a DECEMBER 1, 1980 deadline for receipt of proposals for Coordinated Experimental Research. The goal of this new activity is the establishment of experimental research facilities, including equipment along with technical and professional support personnel, and large, multi-investigator projects in experimental computer research. Grants under this program are expected to have five-year durations. For more information contact: Dr. W. Richards Adrion, Program Director for Special Projects at (202)357.7375.

NSF - CELLULAR PHYSIOLOGY PROGRAM. NSF's Division of Cellular & Molecular Biology has announced establishment of a new Cellular Physiology Program. This new program will consider proposals for research in the areas of signal reception by cells, message transduction, and basic aspects of the immune response. Emphases will be placed on the mechanisms of hormone action, including hormone receptors, hormone-gene interactions, and hormonal effects on metabolism. In addition, the program will have responsibility for research proposals involving the cellular physiology of muscle. Information about the new program may be obtained from Dr. Norman Cohn, Cellular & Physiological Biosciences Section, (202)357-7905.

** EXXON EDUCATIONAL FOUNDATION. Exxon has announced interest in receiving proposals concerning general education and the role of values in education. An additional area of activity it is seeking to develop emphasizes the relationship of educational resources to the problems of society. The Foundation will give highest priority to projects that span disciplines, professions, and organizations. In view of the economic circumstances facing higher education during the next decade, it will be responsive to efforts to eliminate barriers between and within institutions. There are no specific deadlines for proposals.

* Guidelines and/or Application Forms Available in the Research Development Office.

** Information Requested/Available Soon.

*** Contact Agency Directly.