Spring Quarter CAR registration

Friday (Feb. 13) at 4 pm is the last time to submit CAR forms and fees to the Cashier's Office for Spring Quarter registration. Forms may be obtained from academic departments and instructions are included in the class schedule. Students who do not participate in CAR will need to go through an add/drop late registration when classes begin and pay an additional $5 late fee.

Career program

On Monday (Feb. 23) Cal Poly will host its second annual Career Symposium in Chumash Auditorium. Representatives from over 70 corporations and agencies will be available between 10 am and 3 pm, to meet informally with students, faculty, and staff about cooperative education and career opportunities available.

Several one-hour seminars will be held throughout the day in University Union 220 and will cover such subjects as "Your Interview: An Employer's Perspective of the On-campus and On-site Interview," "Key to Success Begins as a Freshman: Building your Skills from the Freshman to the Senior Year," plus several other key topics.

The symposium is being sponsored by the Placement Center, Cooperative Education Program, Career Development Center, and Relations with Schools Office. For additional information telephone Ext. 2501 (Placement Center) or Ext. 2645 (Co-op Education Program).

Valentine's Day Concert

The Cal Poly Mini Concert Series will present the combined talents of David Abel, violinist, and Ronald V. Ratcliffe (Music), fortepianist, in its Valentine's Day Concert on Saturday (Feb. 14) at 8 pm in the Cal Poly Theatre. The two gentlemen, who have known each other for 20 years, will be performing violin-piano sonatas from a rich period in musical history—the Classic Viennese Period. This will be their first concert together.

"During the 150 years from 1650 to 1800, musical styles for stringed instruments changed more radically than in any comparable period before or since," explains Ratcliffe. "The violin changed from a rather thin sounding instrument meant primarily for ensemble playing, to the expressive solo instrument that we associate with the Romantic Era."

The violin and the keyboard instruments to be used for the performance are modern copies of the instruments for which the evening's musical works were conceived. Due to the sensitivity of the instruments, the harpsichord and the fortepiano will both be on stage from the onset of the program. Any subsequent movement would cause them to go out of tune.

The evening's program will begin with Corelli's Sonata for Violin, Op. 5, No. 9; continue on with Bach's Sonata in A Major for Violin and Harpsichord and Mozart's Sonata in A Major for Violin and Clavier (K. 305) and close with Beethoven's Sonata in F Major for Violin and Clavier, Op. 24 "Spring."

The Valentine's Day Concert is the first of two musical events being offered by the Cal Poly Music Department and the School of Communicative Arts and Humanities as part of their Mini Concert Series. The other half of the series will be the Feb. 28 Month's End Concert. That evening, the Cal Poly Chamber Orchestra, under the baton of Clifton Swanson, will present its annual Baroque concert. The concert will feature Louise Ditullio, flute and piccolo, and Ratcliffe, organ.

For the first time, these two performances are being offered on a subscription basis which allows a discount if tickets are purchased for both concerts at the same time. General subscriptions are $8 and student subscriptions are $5. Single performance tickets are $5 for the public and $3 for students. For further information call Ext. 2406. Single tickets can be picked up at the University Union ticket office.

Nominations invited for Dean

Nominations are invited for the position of Dean, School of Agriculture and Natural Resources. Nominations (or applications) can come from all faculty and staff members, and should be addressed either to Hazel J. Jones (Vice President for Academic Affairs) or Donald L. Shelton (Director, Personnel Relations).

Members of the committee which will consider applications, and make recommendations, for the Dean position are: Alan Foutz (Crop Science), Tim LaSalle (Dairy Science), Thomas Ruehr (Soil Science), Joe Sabol (Agricultural Education), Ken Scott (Animal Science), Owen Svatonius (Management), James Simmons (English), Richard Dickey (electronic and Electrical Engineering), Kris Morey (Child Development and Home Economics), Richard Krejsi (Biological Sciences), Jens Pohl (Architecture), and two student members, Jamie Bledsoe and Ralph Leck.
Infrared heating system testing

An infrared heating system that may prove more energy efficient and economical in its use of natural gas is currently being tested at a Cal Poly greenhouse. The infrared system consists of an evacuated tube running the length of the greenhouse roof. Low pressure natural gas combustion takes place in the tube and radiant energy is given off. The tube must be placed at ceiling level in order to obtain the maximum radiation of energy.

The infrared system will be tested against a typical unit-heated greenhouse, according to Virginia Walter (Ornamental Horticulture) who proposed the project. Funding was obtained through a grant from the Agriculture Education Foundation.

"The radiation from the infrared system is much like radiation from the sun," said Walter. "Unlike a unit-heated greenhouse, there is no air movement with the infrared system." Last year Cal Poly's Ornamental Horticulture Department conducted informal studies of the system and found it used 50 percent less gas. "We want to substantiate that through more accurate, detailed studies," she said.

Walter said the information obtained from the study will be made available to the horticulture industry. "I feel we can provide a very important service to the community and the industry through the study." Cal Poly ornamental horticulture students will also benefit from the study, she said. "This study is a practical demonstration of the need to be seeking more efficient and economical energy systems in the industry; students will have the opportunity to compare the results of the study for themselves."

Purchase requisition reminder

Submission deadlines for purchase requisitions chargeable to current year expiring appropriations are listed below. Requisitions must be in the Purchasing Office by the following dates:

- Mar. 2 - Equipment items with an estimated cost of over $5,000. Some items require review by other agencies and have deadlines prior to Mar. 2. Refer to reminder memo of Jan. 12 for specifics.
- Apr. 15 - Non Contract supplies or equipment costing between $1,000 and $5,000.
- May 29 - Supplies or equipment costing less than $1,000.

Purchase requisitions received in the Purchasing Office after May 29 will be charged against 1981-82 funds.

Library holiday schedule

The Robert E. Kennedy Library will maintain the following schedule from Friday through Monday (Feb. 13-16, 1981), (Washington's Birthday Holiday):

<table>
<thead>
<tr>
<th>Day</th>
<th>Entire Library</th>
<th>Reserve Room Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday, Feb. 13</td>
<td>7:30 am - 5:00 pm</td>
<td>5:00 - 10:00 pm</td>
</tr>
<tr>
<td>Saturday, Feb. 14</td>
<td>8:00 am - 5:00 pm</td>
<td>5:00 - 10:00 pm</td>
</tr>
<tr>
<td>Sunday, Feb. 15</td>
<td>1:00 pm - 10:00 pm</td>
<td>5:00 - 10:00 pm</td>
</tr>
<tr>
<td>Monday, Feb. 16</td>
<td>8:00 am - 12 midnight</td>
<td>5:00 - 10:00 pm</td>
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</tbody>
</table>

Engine available

The AE 335 engines class has an excellent fully overhauled J1300 short block for 1966-69 Datsun pickup ready to release. Phone Ext. 2378 or 2626 for details.
Women in design professions program

Friday (Feb. 20) is the deadline for persons who are interested in the roles of women in the design professions to register for a two-day seminar on that subject. With "Design Forum '81: Women Up Front" as its theme, the seminar will take place from Friday through Sunday (Mar. 1) under sponsorship of the university's School of Architecture and Environmental Design and the student Society of Landscape Architects.

Design professionals from throughout California and the West Coast are scheduled to discuss such topics as marketing, management skills, small business management, and personal and professional images during the campus program.

Purpose of the event, according to Alice C. Loh (Landscape Architecture) its coordinator, is to provide valuable guidance for women who are working as design professionals or are planning careers in such fields as architecture, landscape architecture, interior design, and engineering.

A member of Cal Poly's landscape architecture faculty, she said a number of persons already in the design business and students from Cal Poly and other universities are expected to attend.

When paid by Thursday (Feb. 5), fees for the three-day seminar, including the cost of session materials and several meals, are $60 for professionals and $50 for students. After that date, the fees for registration with meals are $70 and $60 respectively. The student fee without meals is $30 up to Feb. 5, and $40 after.

Academic credit will be available through Cal Poly Extension to participants upon payment of extension fees. Those interested in learning more about the seminar, or obtaining a registration form may do so by phoning Mrs. Loh, at Ext. 1343, or leaving a message at Ext. 1321.

Books at High Noon

Books at High Noon continues its series of book reviews on Tuesday (Feb. 17) with Dan Krieger (History) as the speaker. Dr. Krieger will compare Kevin Starr's Americans and the California Dream, a scholarly account of the development of a "California culture," with the fictional version, Land's End, by the same author, showing how two different approaches to historical material can be used. Both of these books are available at the Cal Poly Library.

Dr. Krieger, though trained as a European and African historian, grew up in California, and has always been fascinated by California history. He is a graduate of San Jose State University, has his Ph.D. from the University of California at Davis, and came to Cal Poly in 1971. He is a Newbery fellow in state and local history. He is also president of the San Luis Obispo County Historical Society, and recently has been instrumental in reorganizing and renovating the County Museum. He considers himself very lucky to be able to teach a course in California history—his hobby.

Poly Plant Shop specials

Valentine's specials at the Poly Plant Shop include cut flowers, floral vases, tropicals and student projects:

Open 1 pm to 5 pm .... Feb. 10, 11, 12
9 am to 5 pm .... Feb. 13 & 14
Closed on ............. Feb. 16

Free delivery is available in San Luis Obispo on Feb. 13 only.

Children's Rights

A/H lecture

Lawrence D. Houlgate of Cal Poly's Philosophy Department will be the speaker for the next program of the Arts and Humanities Series on Thursday (Feb. 19). Announced for 11 am in University Union 220, Dr. Houlgate's remarks will focus on the area of children's rights. Both the public and members of the campus community are invited to attend. Admission will be free.

Dr. Houlgate is expected to engage in a critical review of recent U.S. Supreme Court decisions regarding the liberty rights of children. His belief being that the court's often-repeated claim that a child is indeed a person with constitutional rights is in fact an empty claim, he plans to suggest a normative principle that can be used in legislative as well as judicial contexts.

He has written many articles dealing with the philosophy of law and his book, "The Child and the State," is a recent contribution to the field of philosophy and children's rights. The Feb. 19 program will be the third of a group of four Winter Quarter presentations that has liberty as its unifying theme. The series is sponsored by the School of Communicative Arts and Humanities.

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.

Administrative Assistant, $9.51-11.45/hr.
Half-time, temporary, subject to contract funding. Irrigation Study Tour. Develop budgets, set up and maintain accounting system, coordinate agendas and travel arrangements, type letters, memos and reports. Requirements: Two years responsible administrative experience, preferably with University Sponsored Programs or equivalent; Bachelor's Degree (additional experience may be substituted on a year-for-year basis); working knowledge of office equipment; type 45 wpm. Working knowledge in technical irrigation field preferred. Closing date: 2-26-81.

Cal Poly Report - February 12, 1981
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.

Lecturers, salary commensurate with qualifications and experience, Biological Sciences Department, School of Science and Mathematics. The department seeks to augment a list of applicants for part-time lecturers during Spring and Summer Quarters, 1981; to teach one or more courses in biological sciences. Applicants should list each relevant course (lecture and lab) they wish to be considered for. Applicants must have a B.S. in Biology or related discipline. Those currently enrolled in the Department's Graduate Program will be given preference. Closing date: 2-27-81.

Assistant/Associate Professor, salary commensurate with qualifications and experience, Business Administration Department, School of Business. Position available for 1981-82 academic year. Candidates should have ability to teach Business Law, plus one of (a) architectural law (b) environmental law or (c) consumer law. J.D. or L.L.B. from A.A.L.S. accredited school required. Research and publication expected. Advanced business degree and prior teaching experience desirable. Closing date: 3-1-81.

Student Affairs Officer III (Counselor), $748-900/month; dependent upon qualifications and experience; temporary half-time position available March 30-June 13, 1981 only, Counseling and Testing Center. Generalist counselor with skills in counseling, both individual and group, in personal, career, social, educational and crisis intervention. Requires demonstrated ability in assessment, planning and evaluation of cases, and values clarification skills related to career planning and decision-making. Doctorate in counseling and guidance or counseling psychology preferred. Master's degree with five years experience will be considered. Must have knowledge and applicable working experience in a college/university setting with a multi-cultural population. Closing date: 3-1-81.

Assistant/Associate Professor, salary commensurate with qualifications and experience, Aeronautical and Mechanical Engineering Department, School of Engineering and Technology. American industrial experience and M.S. required. Doctorate and teaching experience preferred. Teaching energy conversion and thermo/heat transfer system design as well as basic courses in mechanical engineering. Closing date: 4-15-81.

Lecturer, salary commensurate with qualifications and experience, Aeronautical and Mechanical Engineering Department, School of Engineering and Technology. American industrial experience and M.S. required; doctorate and teaching experience preferred. Teaching mechanical and/or thermal design classes as well as basic courses in mechanical engineering. Closing date: 4-15-81.

Lecturer, salary dependent upon qualifications, experience, and teaching load, History Department, School of Communicative Arts and Humanities. Position available Spring Quarter, 1981. Duties: teaching general education courses in surveys of Western Civilization with the possibility of one course in British History, Modern Ireland or women's history. Preference will be given to those with teaching experience in the courses designated and a Ph.D. in history. Closing date: 2-27-81.

Assistant/Associate Professor (or Visiting Lecturer, salary commensurate with qualifications and experience, Business Administration Department, School of Business. Fall Quarter, 1981-82 academic year to teach in the Finance and Property Management area. Earlier appointment possible. Teaching responsibilities include managerial finance, investments and financial institutions/commercial banking at both undergraduate and graduate levels. Ph.D. or D.B.A. required. Research and publication expected. Prior teaching and practical experience highly desirable. Closing date: 3-15-81.

WHO...WHAT...WHEN...WHERE??

Jaime S. Colome, Biological Sciences, attended a National Science Foundation Chautauqua Short Course for college teachers Nov. 13-14, 1980. The course was titled, "How Life Began on Earth" and was directed by Sidney Fox, internationally known researcher into the origin of life.

February 12, 1981

* DOE - UNSOLICITED RESEARCH PROPOSALS IN ENERGY. The Department of Energy is seeking, on an ongoing basis, unsolicited research proposals in energy. Proposals may be submitted at any time, and at least six months should be allowed for processing and proposal review. Proposals may explore a method, approach, or an idea or carry out research and development, and if necessary, commercial demonstrations, which do not duplicate work already underway at DOE. Feasibility studies may also be accepted. Potential applicants are encouraged to consult with program contacts before submitting a proposal. Areas of interest and program contacts are:

  ENERGY RESEARCH - manages the basic energy sciences program and administers most DOE programs supporting university research. Contact: Kristing Forsberg (301)353-4154.

  CONSERVATION AND SOLAR ENERGY - directs the conservation and solar commercialization programs designed to improve energy efficiency and reduce energy consumption in transportation, buildings, agriculture, and industry. Contact: Martin Duby (202)376-1632.

  FOSSIL ENERGY - interested in developing technologies to convert coal to liquid and gaseous fluids, increasing domestic production of fossil fuels, and making coal burning more economically and environmentally viable. Contact: Robert Welleck (301)353-2784.

  RESOURCE APPLICATIONS - manages programs on health and environmental effects of all phases of energy technologies under development. Conducts research on biological energy conversion. Contact: D.D. Mayhew (301)353-3541.

  ENVIRONMENT - manages policies and programs to increase domestic fuel supplies, to reduce regulatory and financial constraints to resource development and utilization. Contact: Alexander Lyman (202)633-9567.

The "D.O.E. PROGRAM GUIDE FOR UNIVERSITIES AND OTHER RESEARCH GROUPS" and the "GUIDE FOR SUBMISSION OF UNSOLICITED PROPOSALS" are available in the Research Development Office.

* NSF - UNSOLICITED RESEARCH PROPOSALS IN SOLID MECHANICS. The National Science Foundation, through the Division of Civil and Mechanical Engineering, award grants ranging from $5,000 to $120,000 per year to colleges and universities, nonprofit nonacademic institutions, private profit organizations, foreign institutions, federal agencies and unaffiliated scientists. The purpose of this program is to advance the knowledge and understanding of the fundamental principles which underlie the bulk behavior of solid materials, as motivated by applications arising in engineering, medicine, agriculture, forestry and food processing. Although there is no deadline for this program, the best time to submit proposals is during the months of January, February and March.

** NSF - UNSOLICITED RESEARCH PROPOSALS IN SCIENCE AND TECHNOLOGY TO AID THE HANDICAPPED. The National Science Foundation, through the Division of Problem-Focused Research Applications, awards grants (averaging $60,000) to academic institutions and academically related nonprofit research organizations for projects that accelerate the application of science and technology to the problems of the handicapped. Research includes both technology to aid the handicapped and analyses of the institutional barriers that affect the successful integration of handicapped persons into the mainstream of society.

DEADLINE: March 25, 1981

RESEARCH DEVELOPMENT • ADMINISTRATION 317 • TELEPHONE 546-2982
CALIFORNIA POLYTECHNIC STATE UNIVERSITY • SAN LUIS OBISPO, CALIFORNIA 93407
** NSF - NATIONAL RESEARCH OPPORTUNITY GRANTS. ** The National Science Foundation will award $5 million in research grants to women scientists. The proposals will be reviewed like any other research proposal, i.e., on the scientific merit of the work to be done, the likelihood of bringing the project to fruition, resources, etc. Guidelines are expected to be available by mid-February with an expected **APRIL 15th** deadline.

* NATIONAL LIVESTOCK AND MEAT BOARD - NUTRITION RESEARCH PROGRAM. ** Awards grants ranging between $5,000 and $18,000 (but seldom exceeding $12,000) for one year of research in the form of experimental projects in the area of health and nutrition to gain further knowledge of the value of meat in our diets. Qualified nonprofit organizations with appropriate interests are eligible to apply. ** DEADLINE: March 1, 1981

** NATIONAL INSTITUTE OF EDUCATION. ** The NIE has announced closing dates for new projects under the experimental program for opportunities in advanced study and research in education. **

* Institutional Projects and Special Projects* that carry out experimental activities to explore and demonstrate ways to: 1) increase the participation of minorities and women in educational research and development; 2) enhance equality of opportunity within the education workforce; 3) increase the relevance and credibility of education R&D through greater inclusion of contributions and perspectives from these previously underrepresented groups; and 4) improve the overall quality of education R&D by increased utilization of the talent that is available. ** DEADLINE: April 21, 1981

* Unsolicited Proposals* for research projects which do not fall within NIE's areas of solicited proposals. NIE is particularly interested in receiving proposals from individuals and institutions who have not sought support, including women and minorities, teachers, administrators and other participants in local schools and other educational institutions and scholars from disciplines not normally involved in educational research. The program is very competitive. Last year NIE funded 47 out of 501 proposals. ** DEADLINE: March 10, 1981, January 5, 1982

** NSF - PROGRAMS OF SPECIAL INTEREST. **

* Research in Science Education (RISE)* - NSF maintains about a nine-month lead time. To begin a project in the Summer of 1982, submissions should be made by the end of Summer 1981 (no fixed deadlines). The current RISE prospectus focuses on the following five areas: 1) Science education for the early adolescent; 2) Science for women, minorities, and the physically handicapped; 3) Technology in science education; and 5) Cognitive processes and the structure of knowledge. **

* Development in Science Program (DISE)* - Closely related to RISE, DISE provides funding to "originate, develop, and experiment with significantly new ideas having potential for substantially improving science education - education aimed at any level and designed for any group of people." DISE's current emphases are: 1) Science for the Early Adolescent; 2) Improving Access to Careers in Science for Women, Minorities and the Physically Handicapped; 3) Science Literacy, and Science, Technology, and Society; 4) New Knowledge and New Skills - Education for Productivity; 5) Technology for Science Education. Additional supporting activities of DISE are an interest in the continuing education of non-academically employed scientists and engineers, especially as related to one of the emphasis areas. **

DISE and RISE are good programs to begin thinking about for long-range proposal development. DISE funded much of the development of the PLATO (CDC) educational computer system, for example.

* Guidelines, further information, and/or application forms available in the RDO. ** Information requested/Available soon.