

CAL POLY REPORT

California Polytechnic State University
San Luis Obispo, California 93407

March 20, 1980

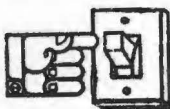
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Energy conservation

An energy conservation incentive of \$12,415 has resulted from a replacement effort during which Cal Poly employees replaced nearly 50,000 fluorescent tubes in campus buildings with reduced wattage lamps. President Warren J. Baker received a check for that amount from Donald L. Kennady, Los Padres District manager for Pacific Gas and Electric Co. It is part of a program in which the utility refunds up to 50 percent of the cost of the reduced wattage tubes to its larger customers.

E. Douglas Gerard (Executive Dean) said a total of 49,380 thirty-five watt tubes were substituted for 40-watt lamps located in 51 campus buildings. The replacement program is expected to result in an immediate savings of 12 percent in the amount of electrical lighting energy required by the university.

It is part of a broader energy conservation effort begun at Cal Poly nearly two years ago. Other such programs have included conversion of street and other exterior lights to high pressure sodium lamps, use of water flow restrictors in showers throughout the campus, and modification of several air handling systems for more efficient operation.



Rubella outbreak

James Nash (Health Center Director) has received confirmation that there is an outbreak of Rubella (German measles) at Cal Poly. The disease is communicable for one week before a rash appears and for at least four days after onset. Incubation period is two to three weeks. Although the disease has no significant effects on most patients, German measles can be disastrous to a fetus whose mother contacts the illness during the first few months of pregnancy. There is a 20 to 40 percent chance of severe fetal damage under these circumstances.

The following recommendations are provided by the Health Center:

1. If you are sick with fever and rash, see the Health Center staff or your own doctor.
2. If you are sick, stay away from pregnant women and stay out of class/work for four days after rash appears.
3. If you are pregnant and are sick or exposed to Rubella, contact the Health Center in person or see your own doctor.
4. Blood tests are available to determine your immunity—cost is \$8.00 and takes two/three days to obtain results.
5. Rubella immunization is available at Health Center for \$1.60. Immunization given now may not prevent German measles if you are already exposed. However, it will do no harm and has no significant side effects. One immunization will last lifelong apparently for most people.
6. Immunization is recommended to everybody now unless you are pregnant, have had Rubella immunization already, have had Rubella in past (most people and their parents really don't know), you have had a blood test proving you had Rubella (California pre-marital blood tests include this for women), or if you are already sick.

The Health Center will be immunizing students and staff. An immunization record will be given to all who are immunized. Reactions to immunization may occur two to four weeks after injection and is usually mild and transient. Aspirin, two tablets every four hours, may be taken for muscle and joint aching, fever and generalized discomfort. The Health Center should be consulted for reactions not controlled by aspirin.



New bilingual publication

CSUC Chancellor Glenn S. Dumke has announced two new bilingual publications to inform Hispanics about The California State University and Colleges. The booklet and folder, in both Spanish and English, are part of the CSUC's Student Affirmative Action Program to foster participation by underrepresented groups in higher education opportunities.

"For many years our campuses have striven to reflect California's multicultural society, and have had a degree of success," Chancellor Dumke said. "However, there are still many students with college potential who lack the necessary information or who do not receive encouragement to consider college as an attainable option in their future plans. These new publications address this important need for students of Hispanic ancestry."

The publications discuss the value of higher education, the types of programs available, costs of attending the CSUC, financial aids and admissions procedures. The names of administrators for Chicano students to contact at each of the 19 campuses are included in the booklet.

Titled "The California State University and Colleges and the Mexican-American Student," the booklet is an update of a publication which, when initially produced in 1976, was the first of its kind among the country's major higher education institutions.

The materials were developed by Chicano administrators and educators in the CSUC under Vincent Rivas, Assistant Statewide Dean of Student Affairs. Copies of the publication are available at Deans of Student Affairs Offices on all campuses of The California State University and Colleges.

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.

CSUC Board of Trustees has recommended a general 11% cost of living increase effective July 1, 1980.

Lecturer, \$14,940-\$24,828/academic year; readvertisement, salary adjustment. Construction Department, School of Architecture and Environmental Design. Department anticipates a full-time opening for the 1980-81 academic year teaching in the areas of construction practice, estimating, planning, scheduling, costs, economy. Minimum five years industrial experience required; teaching experience preferred; MSCE or construction. Assignment commences 9-15-80. Closing date: 4-30-80.

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

Susan L. McBride, Education, has an article titled "Kids and Games" published in the Winter, 1980 issue of the *Georgia Social Science Journal*. The article was co-authored with Regis McKnight of The University of Akron. A simulation game for elementary students which develops the concept of resource allocation is presented and evaluated. A movie of children playing the game was also produced by the two authors. It is titled "Price Simulation City" and is available through The University of Akron.

Joseph Sabol, Agricultural Education, spoke at the California Society of Parent Recreation Educators' Pre-Conference Institute held on Mar. 7 in Sacramento. Dr. Sabol's talk was titled, "Beyond the Podium: Teaching is More Than Telling."

Kenneth Barclay, Director of Activities Planning, will serve as chairman for the Region 15 annual conference of Association of College Unions-International, to be held at Cal Poly in the fall of 1981.

John Culver and Earl Huff, both Political Science, were asked by the Education Affairs Division of the American Political Science Association to submit an article describing the Cal Poly Political Science pre-law program. The article, titled "Pre-Law Advising at Cal Poly," was published in the winter, 1980 edition of the *APSA News*.

Assistant/Associate Professor, \$17,940-\$22,620/academic year. Journalism Department, School of Communicative Arts and Humanities. Specialist in public relations able to teach basic journalism offerings. Position available September 1980. Earned doctorate and substantial professional experience. Degree requirements may be waived for candidates with unusual and substantial qualifications. Closing date: 5-23-80.

Department Head (Associate/Full Professor), \$20,604-\$31,416/academic year; depending on qualifications. Management Department, School of Business. Position available September 1980. Includes administrative and teaching assignments. Tenure can be accorded as a faculty member in the department. Applicants must have an earned doctorate from a recognized School of Business with a record of published quality research; experience in industry, academic administration, or management consulting is desired. Preference will be given to candidates with Organizational Behavior qualifications. Closing date: 4-25-80.

Mary Brady, Library, was guest speaker on the program Education, Community and Youth on Sunday, Feb. 17, on KVEC Radio. She discussed the Learning Resources and Curriculum and the Instructional Materials Display Center.

Roger Osbaldeston, Landscape Architecture, gave a lecture titled "Landscape Architecture and the Other Arts" at the College of Environmental Design, U.C. Berkeley on Tuesday, Feb. 5.

James Delany, Edward Glassco, Stuart Goldenberg, Charles Hanks, Myron Hood, George Lewis, and Stephen Weinstein, all Mathematics, attended the Mathematical Association of America (MAA) Southern California meeting at California State University, Northridge, Mar. 8.

Patricia L. Hamer, Ornamental Horticulture, attended a two-day workshop conference in San Diego on Mar. 7-8, sponsored by the American Society of Landscape Architects (ASLA). The intense and practical workshop highlighted "Economy in Graphics" and "Presentations and Proposals."

John F. Kerr, English, gave a reading of his poems at the George Sand Bookstore in Hollywood on Sunday, Feb. 24.



Status report on service credit

The Governor has received the request from the Trustees to issue a proclamation to implement the two years' service credit legislation. The Chancellor's Office expects to receive the signed proclamation no later than the Trustees' March meeting. To implement the program the Trustees must adopt a resolution on Mar. 26.

As soon as notification is received from the Chancellor's Office, a *Cal Poly Report* article will be run and the Personnel Office will notify those individuals who have contacted their office for estimates. For further information, contact Robert M. Negranti or Barbara Melvin in the Personnel Office, Ext. 2236.

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.

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Equipment Technician I/II, \$1,339-\$1,767/month, depending upon qualifications. Engineering Technology Department. Duties: Constructs, repairs, installs and maintains equipment in the welding laboratories. Requirements: One year of experience in the maintenance, repair, and operation of welding and/or job related equipment for the Equipment Tech I level; two years experience for the Equipment Tech II level. Must have a working knowledge of electrical wiring and use of maintenance tools. Electronics and controls experience desirable. Closing date: 4-4-80.

Plumber I, \$1,516-\$1,663/month. Plant Operations. Duties: Install, maintain, inspect and repair all standard plumbing equipment concerned with water, gas, sewer, fire control, air and storm drain systems; troubleshoot, maintain shop, estimate material needs, advise on projects and direct unskilled laborers and/or student assistants. Requirements: Journeyman plumber. Hours: 7:30 am to 4 pm. Closing date: 4-4-80.



Volume 1, Number 2
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NORMAN D. ALEXANDER ROOM NAMED

On Feb. 4, the Campus Planning Committee endorsed a proposal to designate a Norman D. Alexander Memorial Reading Room in the new Robert E. Kennedy Library. President Warren J. Baker has approved the Committee's recommendation for the designation of such a room and has requested the implementation of the proposal.

The proposal was made by the Library's Norman D. Alexander Committee to honor the memory and achievements of the Library Director, whose life was tragically taken in January 1979. The proposal received endorsement from many student and campus-wide organizations, including the Academic Senate, Faculty Library Committee, and the Student Senate.

The room to be designated is the reading room of the Library's Special Collections and Archives Department. The room will be located in the northwest corner of the fourth floor of the new Kennedy Library, due to be completed in August.

The proposal states that the designation of the Special Collections and Archives reading room is particularly appropriate as Dr. Alexander gave strong support to the growth and development of Special Collections, believing its special research materials make an important contribution to total library service to the University. Appointed University Archivist in Sept., 1978, Dr. Alexander had begun to implement a program of acquiring and preserving documents and records relating to the history of Cal Poly.



LIBRARY SCHEDULE

MARCH 20-30

March 20, Thurs.	Main areas will close at 5 p.m.; extended areas open until 7 p.m.
March 21, Fri.	7:30 a.m. - 5 p.m.
March 22-23, Sat.-Sun.	Closed
March 24-28, Mon. - Fri.	7:30 a.m. - 5 p.m.
March 29-30, Sat. - Sun.	Closed

KENNEDY LIBRARY:

CURRENT PERIODICALS AREA

The soon-to-be-completed Robert E. Kennedy Library will feature a new service area for faculty and students. Located on the 2nd floor, the Current Periodicals Area will house current issues of periodicals to which the Library has a subscription. This area will maintain the current year of periodicals having bound backruns and three years for those with microfilm backruns.

The Current Periodicals Area, with its closed stack area, will greatly improve service and availability of the current periodical titles. Issues requested at the service desk by title and call number can be retrieved and circulated more quickly than students are now able to do it themselves in the present Library. The closed stack area will also provide the security necessary for complete inventory control, insuring that needed issues will be available to faculty and students. Mutilation of issues and theft of pages from current issues will be greatly reduced because of the improved control.

Faculty will have open access to the current periodicals collection and will also have a small reading area which will be located in the closed stack section of the Current Periodicals Area.

A small browsing collection of popular periodicals such as Time, Newsweek, and Sports Illustrated will be established in the Kennedy Library so that students will have open access to popular newsstand variety magazines for general leisure and recreational reading. Making this browsing collection of popular magazines directly available will allow the current periodicals staff more time to devote to assisting faculty and students who need specific issues of index-referred research periodicals.

TELEGRAM-TRIBUNE INDEX

Currently available in the Abstracts and Index Section of the Reference Department is an index to the San Luis Obispo *Telegram-Tribune*. This index is produced for the Library by Bell and Howell Corp. from indexing done by reference librarian Fred Genthner. The index contains three indexes in one, with separate subject, name, and geographical location sections. Separate monthly indexes are received for the current year with an annual cumulation on microfilm. Begun in January 1979, this index is proving to be most valuable to those wishing to find articles published in back issues of the *Telegram-Tribune*. The Periodicals and Microforms Department, located in the Reference Room, maintains a complete file of the *Telegram-Tribune* on microfilm, which may be used to read an article found in the *Telegram-Tribune* Index.

INFORMATION FOR RESEARCHERS

Information on research currently being done and grants awarded is available through the Library's computer retrieval system, DIALOG. The following databases contain information on current research.

- **CURRENT RESEARCH INFORMATION SYSTEM:** CRIS is a valuable current-awareness database for agriculturally-related research projects. The projects described in CRIS cover current research sponsored or conducted by USDA research agencies, state agricultural experiment stations, state forestry schools, and cooperating state institutions.
- **SSIE CURRENT RESEARCH:** SSIE (SMITHSONIAN SCIENCE INFORMATION EXCHANGE) CURRENT RESEARCH is a database containing reports of both government and privately funded scientific research projects, either currently in progress or initiated and completed during the last two years.
- **NTIS:** the NTIS (NATIONAL TECHNICAL INFORMATION SERVICE) consists of government-sponsored research, development and engineering, plus analyses prepared by federal agencies, their contractors or grantees.
- **FOUNDATION GRANTS INDEX:** Foundation Grants Index contains information on grants awarded by more than 400 major American philanthropic foundations, representing all records from the Foundation Grants Index section of the bimonthly Foundation News.

Computer searches are done by the Automated Retrieval/Interlibrary Loan Department in the Library, and charges are made for online time and print-outs. The Library subsidizes the first \$10.00 of a faculty member's search once a year. For more information, call 1222.



CHANCELLOR'S OFFICE

John Kountz, Associate Director of Learning Services for Library Automation in the Chancellor's Office, will meet with the Library Staff on Tuesday, March 25, at 10:00 a.m., in Room 126 of the Military Science wing of the Library building. He will discuss aspects of library automation in the CSUC System, including present accomplishments and future plans. Faculty and staff members interested in the subject of library automation are invited to attend this meeting.

FEATURED DEPARTMENT: LEARNING RESOURCES & CURRICULUM

If you are looking for material on solar homes, or have a student doing an assignment on plate tectonics or maybe aquaculture, then you may want to visit the Learning Resources and Curriculum Department located in Room 208 of the library. As an integral part of the library, the LR & C provides a wide range of print and non-print materials (pre-school to college level) in such fields as education, child development, children's literature, and some areas of the arts and sciences.

The department's audio-visual collection consists of sound filmstrips, color slides, audio and video cassettes, film loops, fine art prints, study prints and other non-print media aimed at the elementary, secondary and college levels. *Solar Homes*, *The American History Slide Collection*, *The Truman Tapes*, *Slaughterhouse Five* on tape and *Making It Count*, twenty lessons on computer and computer application, are only a few samples of the titles that are available for helping students to learn. The Department's textbook collection includes, in addition to the California State Series and secondary textbooks, laboratory manuals on the college level and programmed textbooks on all levels. Such titles as *Medical terminology*, a programmed text, *Tune-Up Service with Testing*, *Diagnosis and Troubleshooting*, and *Critical Thinking* provide students with enrichment over and above the classroom.

The Department recently expanded its curriculum guide collection with the purchase of the *Fearon-Pitman Curriculum Development Library* that provides samples of curriculum materials from all over the U.S. ranging in grades from primary to secondary and touching on numerous subjects; for students in education and psychology courses, the Department provides a standardized test collection of specimen sets and *Tests on Microfiche* from the Educational Testing Service.

The children's book collection comprises both the classic and the current, as well as the award winning books in children's literature. A popular title at the moment is a new reference source dealing with *Books to Help Children Cope with Separation and Loss*.

Special collections in the LR & C include non-print reserve materials, such as class lectures on audio tapes, color slide modules, video cassettes, and kits, placed on reserve at the request of instructors, and the Instructional Materials Display Center which serves the San Luis Obispo County as a center for instructional materials being considered for State adoption.

Mary Lou Brady is the head of the Learning Resources and Curriculum Department. She is the person to contact for the ordering of materials. Mary Lou is assisted by librarians Paula Scott and Ilene Rockman, the LR & C reference librarian. Support staff, also available to assist patrons, include Florence Hauge, Stella Nuncio, Denise Williams, Pamela Williams, and Donna Saldivar.

Faculty and staff are encouraged to visit LR & C where they may view the facilities and learn of the many services the department has to offer.

encouraging notes

March 20, 1980

- * DEPARTMENT OF TRANSPORTATION - FACULTY FELLOWS PROGRAM IN AVIATION RESEARCH. The National Aviation Facilities Experimental Center has recently established a Fellows Program for university professors to collaborate in joint research projects. This program supports faculty who are interested in the aviation-related research and development areas that are being conducted at NAFEC. Fellows conduct research programs of their choosing at the Center while still being employed by the university. Because the program is intended as an opportunity for academicians in aeronautics and transportation to pursue basic and advanced research in aviation as benefits NAFEC's mission, the choice of subject areas is limited to those where a direct interaction and contribution is expected. Application forms and an explanatory brochure are available in the Research Development Office.
- ** U.S. OFFICE OF EDUCATION - WOMEN'S EDUCATIONAL EQUITY ACT PROGRAM. Applications for Women's Educational Equity Act Program new general and small grants are now being accepted. The purpose of the awards is to develop educational materials and model programs designed to promote women's educational equity. Four million dollars is available for 10-20 new small grants of \$25,000 or less, 30-40 new general grants, and 10-15 major contracts. The discreet priority areas with separate competitions for general model project grants are: 1) Title IX compliance--25% of available funding, 2) educational equity for racial and ethnic minority women and girls--25%, 3) educational equity for disabled women and girls--10%, 4) influencing leaders in educational policy and administration--10%, 5) eliminating persistent barriers to educational equity for women--25%, and 6) other authorized activities--5%. Small grants applications, also with separate competition, may focus on innovative activities. For application forms and program information, contact: Women's Educational Equity Act Program, U.S. Office of Education, Room 217, 400 Maryland Avenue, S.W., Washington, D.C., 20202, (202) 245-2181.
DEADLINE: MAY 9, 1980
- ** U.S. OFFICE OF EDUCATION - CONSUMERS' EDUCATION PROGRAM. The closing date for applications under the Consumers' Education Program has been extended to MAY 12. The purpose of the awards is to assist institutions and agencies to develop and carry out innovative special projects designed to help people of all ages to function more effectively as consumers and in their roles as consumer-citizens. Priority is given to applications which are designed to serve as models or which build an organization's long-range capacity to provide consumers' education. All awards will be new and for a one-year period. Approximately \$3,617,500 is available to fund 55-60 projects with an average award of \$45,000, although no minimum or maximum amounts will be set. Application forms and program information may be obtained by writing: Office of Consumers' Education, U.S. Office of Education, 400 Maryland Avenue, S.W., Washington, D.C., 20202; (202) 653-5983, Dr. Dustin W. Wilson, Jr., Director.
- ** U.S. OFFICE OF EDUCATION - NATIONAL DEMONSTRATION PROJECTS UNDER UPWARD BOUND AND SPECIAL SERVICES FOR DISADVANTAGED STUDENTS. The deadline for applications for this program has been extended to MAY 30. The Upward Bound National Demonstration projects will differ from traditional Upward Bound projects in that the participants will be low-income high school youths who have an exceptional potential or demonstrated aptitude to pursue careers requiring a proficiency in natural and applied sciences. The Special Services National Demonstration projects will differ from traditional ones in that projects will institutionalize the supportive services



provided to participants by utilizing faculty members as mentors to provide academic, career, and personal guidance and counseling; the primary focus will be to prepare and assist disadvantaged students to enter graduate and professional schools. The \$3.2 million available for National Demonstration Upward Bound will fund 15 grants averaging \$200,000, and the \$1.9 million for National Demonstration Special Services will fund 13 grants averaging \$146,000. For application forms, program information, and concept papers which provide guidance for prospective applicants, contact: Division of Student Services and Veterans Programs, Information Systems and Program Support Branch, U.S. Office of Education, 400 Maryland Avenue, S.W., Washington, D.C., 20202.

- * U.S. OFFICE OF EDUCATION - ARTS EDUCATION PROGRAM. The Office of Education awards grants to assist in establishing, conducting, or improving arts education programs in elementary and secondary schools. Each arts education program to be assisted must be designed to provide opportunities for all students in the school(s) to acquire skills and understanding in and through several arts media, and to integrate these arts disciplines into the regular educational program. Eligible activities include: 1) leadership training and staff development, 2) community awareness programs, 3) technical assistance, 4) material and curriculum development, 5) planning and coordination, 6) documentation and coordination, and 7) dissemination. The Office expects to award 20-30 grants at an average cost of \$50,000.

CLOSING DATE: APRIL 22, 1980

- *** U.S. OFFICE OF EDUCATION - NATIONAL DIFFUSION NETWORK. An interview was conducted recently with Lee Wickline of the Division of Education Replication in the U.S. Office of Education. The purpose of this program is to spread the adoption of successful educational programs throughout the U.S. Funds are provided to directors of education programs which have proven their merits. To qualify, a project must have already undergone thorough evaluation to determine its impact and merit. The grant funds may be used for: 1) developing awareness materials, 2) refining materials already developed, 3) the development of a program to train others to install a similar project, or 4) travel to communicate about the program and train those who have already made a commitment for its adoption. Particular interest has been expressed in the areas of preservice and inservice teacher training, changes in the organizational structure of education, and adult education. Recipients of grants must maintain the operation of their exemplary project so others around the country can see it. The Network funded by the Division assists in the spread of information and facilitates linkages among the states. The FY 1981 budget proposed an addition of \$6 million over the FY 1980 appropriation to provide \$16 million in funds. The deadline for this program is in January each year but evaluation data should be submitted to the Joint Dissemination Review Panel in the spring or early summer. A preliminary prospectus may also be sent months in advance to Dr. Wickline, Director, Education Replication Division, Office of Evaluation and Dissemination, U.S. Office of Education, 400 Maryland Avenue, S.W., (Room 3616 ROB), Washington, D.C., 20201, (202) 245-2257.

- *** INTERNATIONAL COMMUNICATION AGENCY. The ICA has announced a program providing selective assistance, encouragement, and grant support to "private sector" organizations, that is, to organizations outside the Federal Government. The purpose of the program is to support the enhancement of Americans' competence in world affairs through greater understanding of other societies. Proposals are reviewed at irregular intervals. The first review panel will meet soon after April 1. For information contact: Office of Private Sector Programs, Associate Directorate for Educational and Cultural Affairs, ICA, 1776 Pennsylvania Avenue, N.W., Washington, D.C., 20547, (202) 724-9444.

- * Guidelines and/or application forms available in the Research Development Office.
 ** Information requested/available soon.
 *** Contact agency directly.