



Volume 27 Number 12

October 28, 1975

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THE BAND PLAYED ON

- ☐ The role of bands in America from revolutionary times to the present is the theme of an exhibit to be presented at Poly. Titled "Bands in America, 1776-1976," the display will open on Friday, (Nov. 7) and continue through Friday (Nov. 14) in the University Union Galerie. It will be open for public viewing from 8:30 am to 11 pm. Admission will be free. William V. Johnson (music) director of bands at Cal Poly, said the exhibit is being developed with the help of the Smithsonian Institution, Washington, D.C.

It will include reproductions of photographs, illustrations from newspapers and journals, lithographs from sheet covers, samples of music from band book collections, and instruments from bands of the late 1800's and the early 1900's. Among the major topics to be covered by the exhibit are bands during the early 1800's, bands for social dancing, famous bands and band directors of the late 19th century, the beginning of jazz, the swing band era, and rock.

The exhibition at Cal Poly is part of the California Bicentennial Festival of Marching Bands entitled "And the Band Played On." Along with the exhibit, the celebration will include a parade through downtown San Luis Obispo and a band show in the Cal Poly Mustang Stadium, both on Saturday (Nov. 8). The parade at 10:30 am will be combined with Cal Poly's traditional Homecoming parade. It will include Cal Poly's 130-member "Pride of the Pacific" Marching Band, 18 invited high school bands from throughout California, floats, and other parade units.

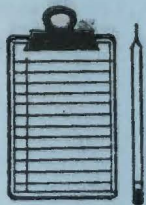
Scheduled for 1:30 pm, the show in Mustang Stadium will feature 8 to 10-minute field performances by 12 of the invited high school bands and by the Cal Poly band. Admission to the stadium will be \$1 for those who are school age and older. The bicentennial band festival is being sponsored by the School of Communicative Arts and Humanities with the help of the Homecoming Committee. It is one of a continuing series of activities being presented by the university in observance of the Bicentennial of the American Revolution.

☐ DEAN CLYDE FISHER DEAD

Clyde P. Fisher, Cal Poly's dean of science and mathematics, died on Saturday (Oct. 25), after an illness of four weeks. He had been stricken on Sept. 30 and, after being hospitalized for three weeks, was recuperating at home. His illness became more serious on Friday and he was returned to Sierra Vista Hospital in San Luis Obispo where he died during the early morning hours. Faculty and staff joined in a memorial service for Dean Fisher, which was on Tuesday (Oct. 28) in the sanctuary of the Church of the Nazarene, San Luis Obispo. Rev. Melvin Rich, pastor of the church presided.

Dr. Fisher had been a member of the Cal Poly Faculty and administrative staff since 1946 when he joined the mathematics faculty. Since 1959, he had also served as dean of educational services and curriculum planning, dean of the college, and dean of applied sciences. He was also acting vice president for academic affairs from December, 1973 to July, 1974. The family has announced plans to establish a scholarship for Cal Poly students in Dr. Fisher's memory. Contributions can be forwarded to the Financial Aid Office.

☐ AID CAMPAIGN IN FULL SWING



AID-United Givers campaign is now under way (October 20-November 7). Orientation sessions for group captains who were not able to attend last week's sessions have been scheduled for Wednesday (Oct. 29) in Davidson Music Center 125 beginning at 9:10 am, 10:10 am, and 11:10 am and again at 1:10 pm, 2:10 pm, and 3:10 pm. Captains who have not yet attended one of these sessions are urged to do so.

Persons contacted by captains are reminded that they may donate to AID-United Givers locally, or they may designate a charity of their choice. AID-United Givers makes it possible to contribute conveniently either by cash, check or through payroll deduction. The goal for this very important drive is to provide all campus employees the opportunity to participate. This campaign is the only charitable campaign conducted on campus and approved for payroll deduction purposes. Support in this worthwhile campaign is greatly appreciated by those at the receiving end.

☐ TRUSTEES' TAKE ACTION ON BUDGET

The Board of Trustees of The California State University and Colleges took action at its meeting on Wednesday (Oct. 22): approving a 1976-77 Support Budget request to the Governor and the Legislature totaling \$582 million for the 19-campus system, excluding salary and fringe benefit increases for faculty and administrative and support staffs (see attachment). Further resolved that the Legislature and the Governor be informed that the budget "reflects a substantial increase in certain items due to governmentally mandated programs, which compel an increase in existing staffing and a corresponding rise in the cost of government."

	<u>1975/76</u>		<u>1976/77</u>
	<u>Request</u>	<u>Final Budget</u>	
Enrollment (FTE)	230,015	230,005	233,080
Support	\$581,134,926	\$539,862,016	\$582,032,756 (a)
Capital Outlay	<u>75,838,000</u>	<u>22,949,000</u>	<u>46,538,000</u>
TOTAL	\$656,972,926	\$562,811,016	

(a) The total proposed program of salary and fringe benefits for CSUC employees has not yet been determined. Proposed salary increases for Academic employees have been adopted by the Board of Trustees which is estimated to cost \$27,100,000 and includes an across-the-board increase of 7.2%.

☐ AB 2164 (GREENE) EXTRA RETIREMENT CREDIT

Clarification has been received from the Chancellor's Office with regard to the recent legislation (AB 2164) concerning extra service credit to PERS members for retirement purposes. AB 2164 (Greene) provides for an additional two years of service credit for employees meeting specific criteria. To be eligible for this credit, employees must be subject to an impending mandatory transfer, demotion or lay-off resulting from the curtailment of services in order to qualify under this Bill. The Chancellor's Office has advised that CSUC employees do not meet this basic criteria. If at a future date this new provision becomes operational for CSUC employees, all personnel will be advised. Any specific questions with reference to this legislation should be referred to Robert M. Negranti (Staff Personnel Officer) at Ext. 2236.

☐ GENTHNER WILL BE GRAND MARSHAL



Frederick L. Genthner, head of special collections for the Walter F. Dexter Library, will be honored as grand marshal of Cal Poly's 1975 Homecoming Parade on Saturday (Nov. 8). Roland Yates, chairman of the Cal Poly Homecoming Committee, states Genthner is being honored because of the assistance he has provided to homecoming committee members when historical research on Cal Poly was needed in planning Homecoming activities. As grand marshal, Genthner will lead the parade in downtown San Luis Obispo.

He also will be a guest at other Homecoming activities, including a banquet honoring distinguished alumni of instructional schools, a bicentennial band festival in Mustang Stadium, afternoon barbecue, and the traditional homecoming football game, this year pitting the Cal Poly Mustangs against Idaho State. Genthner has been a member of the library staff since 1952. As head of the special collections section he is responsible for the university archives where historical documents relating to the university are catalogued and filed. Genthner currently is preparing a book manuscript titled History of California Polytechnic State University, 1901-1975.

☐ APPLICATIONS FOR INTERNATIONAL PROGRAMS DIRECTORS ASKED

Applications are invited for full-time assignments in Germany and Sweden (12 month appointments); France, Italy and Spain (10 month appointments); and part-time (1/5) appointments in Japan and the United Kingdom. The deadline for submission of applications is Jan. 1, 1976. Applicants selected for interview will be contacted shortly after Feb. 1, 1976, and all applicants will be notified of the final selections not later than May 1, 1976. Appointments are made a year in advance of the year to be spent abroad so that those selected will have adequate time to plan for the year overseas.

Information and application materials may be obtained on campus from School Deans, or off campus from the Office of International Programs, The California State University and Colleges, 5670 Wilshire Boulevard, Los Angeles, California 90036; ATSS telephone 8-627-2351; attention: Mrs. Bernice Crock.

☐ PSYCHO-ENERGETICS, AURAS, AND ENERGY FIELDS DISCUSSION

Current investigations concerning non-physical energy fields (sometimes called auras), surrounding human beings will be the subject of the November 2 First Weekend Program in Tenaya Lounge at 7:30 pm. The leader will be a recent Cal Poly Electronics graduate, Doug Modlin, who is currently a graduate student at Stanford and a research assistant to William Tiller at the Stanford Research Institute. Dr. Tiller is developing applications for Kirlian photography which pictures selected energy fields of organisms.

Visual material on psycho-energetics and Kirlian photography as well as excerpts from tapes made by Dr. Tiller, will be coordinated with comments and actual demonstrations of energy fields by Doug Modlin. Several members of the Cal Poly faculty will be invited to lead discussion and questions from the audience will be encouraged. Members of the community and students are invited to these programs which are sponsored by the School of Communicative Arts and Humanities. The Bicentennial theme, "Changing Views of Man 1776-1976" is being followed throughout this year.

☐ EXCEPTIONAL PIANO NOW AT POLY



A university professor's sabbatical leave in England, a British piano collector's wish to sell some of his antique instruments, the interest of a university friend, and the generosity of a California private foundation have resulted in an unusual piece of "laboratory equipment" for students at Cal Poly. The equipment, recently acquired by the Music Department, is a grand piano made in 1816 by the English firm of John Broadwood and Sons.

Its purchase was made possible by the assistance of a private foundation, which wishes to remain anonymous. Invaluable help in procuring the unique instrument was given by Mrs. Elmer Brown of San Luis Obispo.

The story of how the Broadwood piano arrived at Cal Poly began in 1973 when Ronald V. Ratcliffe (Music) was on sabbatical leave in England. During his stay there, Ratcliffe wrote and performed a British Broadcasting Company television program on early pianos, which was offered as part of a British Open University course on music history. The program was filmed at Bethersden (near Ashford), Kent, England, using the collection of instruments owned by C. F. Colt, a collector and restorer of early pianos, who has over 150 keyboard instruments.

Ratcliffe's interest in and enthusiasm for the early pianos he saw in the Colt collection led him to pursue the acquisition of one of the instruments for the Cal Poly Music Department. Now located in the Davidson Music Center on campus, the unusual piece of "laboratory equipment" was finished one year before an instrument of the same model was made by Broadwood and presented as a gift to composer Beethoven. The instrument at Cal Poly is beautifully ornamented in the Regency Style with inlaid brass and has been restored to playing condition by Colt.

Ratcliffe, who is known throughout the West Coast as a concert pianist and harpsichordist, says the early piano is as different from the modern piano as the harpsichord is from the modern piano. It functions differently, has an individual sound and requires different skills and understanding from the performer. An added dimension of understanding about the music of Haydn, Mozart, and Beethoven is being brought to Cal Poly students through the Broadwood grand. It will be used for concerts, as well as class demonstrations and instruction of advanced piano students. In addition to its musical value, Ratcliffe noted that the piano also gives Cal Poly students an opportunity to see first-hand the unusual skills and craftsmanship of the early 19th Century.

☐ P E R S ANNUAL STATEMENTS MAILED

The annual statements reflecting the Public Employees' Retirement System members' contributions and years of current service as of June 30, 1975 were recently mailed to campus members. Donald L. Shelton (Director, Personnel Relations) advises that employees should maintain and preserve these statements for future reference. This summarized information is not readily available on campus, but only upon written request by the member from the Public Employees' Retirement System in Sacramento.

☐ OCTOBER SALARY WARRANTS WILL BE AVAILABLE ON THURSDAY

October salary warrants for faculty and staff of the university will be available at 4 pm on Thursday (Oct. 30), the last day of the pay period. Warrants batched by department may be picked up at the Cashier's Office, Adm. 131-E, and those picked up on an individual basis may be picked up in the Business Affairs Division Office, Adm. 114, after that time.

☐ MOLECULAR EXPRESSIONISM HONORED



If one can imagine carbon molecules and hydrogen bonds arranged in what French impressionists and artists call pointillistic fashion -- a series of spots juxtaposed to bring a velvet illusion -- then one can imagine a member of the Cal Poly Chemistry faculty flying to Europe and presenting his art form of molecular expressionism. For Grant Delbert Venerable (Chemistry) his role at the seventh International Conference on Organometallic Chemistry in Venice, Italy, last month was twofold.

First, in front of an international audience of distinguished scientists, he gave a retrospective lecture with slides on the past five years of molecular expressionism. Dr. Venerable also presented an oil rendition of recent chemistry developments by Dr. Gregorii Razuvaev, the 80 year-old elder statesman of Russian organometallic chemistry and chairman of the organo-element division of the Soviet Academy of Science.

It all started last April when Dr. Venerable received a notice from the chairman of the previous international conference. The notice explained the discussions with the members of the Soviet Academy on their interest in the idea of chemistry and art in a blended form. This interest, Dr. Venerable said, provoked the Russians to ask him if he would render an oil painting of Dr. Razuvaev's chemical discoveries dealing with organic catalysts. Such discoveries, according to Dr. Venerable, are needed by both the United States and Russia in developing their research with the petroleum industry.

As soon as the Italian conference heard of this request it immediately arranged to invite the Cal Poly chemistry teacher to make the presentation in person. Dr. Venerable said the presentation generated a great deal of excitement, not only from the standpoint of the unique subject matter, but it was the first time an American chemist traveled to Italy to pay tribute to a distinguished Russian on canvas. The event also attracted 17 Russian scientists, reportedly the largest delegation of Soviet chemists ever to venture outside of the Russian sphere of influence for a professional gathering.

☐ ETHNIC FILM SERIES SCHEDULED

The public is being invited to share in the viewing of four films during the month of November depicting the life of ethnic groups in the United States. The films, to be shown in University Union 220, are sponsored by the Ethnic Programming Board of the A.S.I. Admission will be 50 cents for university students and 75 cents for all others.

Two films related to the life of the Chicano in California will be shown at 3 pm on Sunday (Nov. 2). Land is Rich is a documentary on the agri-business industry of California while 38 Families depicts the struggle of Chicano Farm workers in Salinas to obtain low cost housing and community self-determination. As Long As The River Runs, a film based on Indian efforts to retain fishing rights guaranteed by an 1854 treaty, will be shown at 3 pm on Sunday (Nov. 9). With the struggle of Indians in Washington State to retain treaty rights as the focal point, the film details the effort of the Native American to attain self-determination.

Negro Soldier, a World War II film designed to encourage the black American to participate in the military will be featured at 3 pm on Sunday (Nov. 16). The special film series will end with The Red Detachment of Women, a revolutionary dance drama from China, at 3 pm on Sunday (Nov. 23). The film from China features traditional Western ballet, Peking opera folk dances, calisthenics, and acrobatics. Through stylized romantic characters, it conveys the spirit of the reality of the Chinese revolution.

☐ OPEN PERIOD FOR DEFERRED COMPENSATION PLAN

The annual enrollment period for the State of California Deferred Compensation Plan began October 1 and will extend through November 30 to be effective for the next calendar year beginning with the January 1976 pay period. This program is sponsored by the State of California and administered by the Department of General Services, and should not be confused with the Tax Deferred Annuity program sponsored by the Chancellor's Office of the California State University. There is no open enrollment period required for participation in the CSUC tax sheltered annuity program.

The State sponsored plan permits the designation of part of an employee's monthly salary to the Deferred Compensation Plan. As these funds accumulate in investments and savings on the employee's behalf, the possibility of financial independence at retirement increases. Federal and State taxes will only be payable when the accumulated funds are actually paid to an employee or his beneficiary. After retirement most persons will have reduced incomes and should qualify for lower tax rates. These funds may be paid to the employee when he retires or leaves State service, either in a lump sum or in specified monthly amounts.

After a State employee chooses to participate, one or more of the following companies must be selected: California Western States Life Insurance Company, (offering Fixed and Variable Annuities); Nationwide Life Insurance Company, (offering Fixed and Variable Annuities); T. Rowe Price Growth Stock Fund Inc., and T. Rowe Price New Income Fund Inc. (offering shares in no-load mutual funds); and Great Western Savings and Loan Association (offering investments in a savings account). The minimum deduction amount is \$15 per month and the maximum deduction may not exceed 90% of a participant's total gross salary. An administrative fee of \$.50 per month is charged.

One may join the State's Deferred Compensation Plan only during an open enrollment period. Present participants may only make changes during the open enrollment, e.g., increase or decrease the monthly deduction, the type of investment method of payment of retirement or death benefits. A Deferred Compensation deduction may be cancelled at anytime, however withdrawals are not permitted without special authorization from the State Board of Control before retirement or separation from State service.

Representatives from the participating companies and the Department of General Services will be on campus on Friday (Nov. 7) at 2 pm in the Staff Dining Room to explain details of the program. Additional inquiries regarding participation in the State Sponsored Deferred Compensation Plan or The California State University and College plan may be directed to Robert M. Negranti (Staff Personnel Officer) by calling Ext. 2236.

☐ CSEA LUNCHEON MEETINGS RESUME

For the first luncheon a special treat will be presented. William Johnson (Music) will give a lecture/slide show highlighting the Cal Poly Band trip to Vienna. The Cal Poly Band represented North America at the International Youth and Music Festival in Vienna this past summer. The luncheon meeting will be in Staff Dining Room B, starting at approximately 12:10 pm and ending approximately at 12:55 pm. Lunch may be purchased or one can bring a brown bag. All faculty and staff are welcome.

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Typewritten copy intended for the next issue of Cal Poly Report must be received prior to 12 noon on Friday (Oct. 31) in the Public Affairs Office, Adm. 210. Copy intended for Cal Poly Dateline is due in the Public Affairs Office by 12 noon on Tuesday (Oct. 28).

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

David W. Hafemeister (Physics) has been selected as a Congressional Fellow by the American Association for the Advancement of Science. Dr. Hafemeister is in Washington, D.C. for the 1975-76 year and is currently assigned to the Interior Committee of the U.S. Senate as Science Adviser.

V. L. Holland (Biological Sciences) attended and presented a paper titled "A study of vegetation and soil under blue oak compared to open grassland" at the annual meeting of the American Institute of Biological Sciences at the Oregon State University, Corvallis, Aug. 18-23.

Pratapsinha (Pat) C. Pendse (Biological Sciences) attended a two day Symposium held in Albany, New York, from Oct. 14-15, on "Population Cytogenetics" conducted by The Birth Defects Institute. It was attended by over 200 delegates and famous Human Cytogeneticists such as Dr. John L. Hammerton and Dr. Patricia Jacobs addressed the Symposium.

Joe N. Weatherby, Jr. (Political Science) has recently been appointed to serve on the Academic Program Committee in Humanities/Liberal Arts. This is a feasibility committee which reports to the Consortium Advisory Board.

Michael J. Wenzl (English) has recently been appointed to serve on the Student Affairs Committee of the Academic Senate of the California State University and Colleges.

Walter (Walt) E. Elliott (Physics) and Dr. Carla Lowry (Physical Education, University of Texas at Arlington) are co-authors of an article on kinesiology and the physics of sports appearing in the November issue of The Journal of College Science Teaching. The research article reports results of an interdisciplinary teaching approach using modular materials developed by Elliott and co-taught by the authors at the University of Texas, Arlington.

John S. Stuart (Architecture and Environmental Design) attended high school counselor's conferences at Cal State Los Angeles, Cal Poly Pomona, Fresno State, Sacramento State and San Jose State Universities, Sep. 30 to Oct. 6. These conferences were sponsored by the California State University and Colleges System to acquaint the counselors with the impacted programs within the System.

Irving P. Babow (Social Sciences) presented a paper on "Tactile Communication: Perspectives of Sociolinguistics and Symbolic Interaction" at the Living English Conference at Cal Poly Pomona on Oct. 11. Dr. Babow also conducted a workshop at the conference.

Boyd N. D. Wettlaufer (Audio Visual Photographer) is appearing in the fifteenth edition of Who's Who in the West for his work as an archaeologist, geologist, photographer, and author of The Morlach Site.

☐ WOMEN'S CLUB WILL HEAR DR. J. BARRON WILEY

Members of the Cal Poly Women's Club will meet on Wednesday (Nov. 19) at 8 pm in the Cal Poly Theater. J. Barron Wiley (Education) will give a "Multi-Media Three-Screen Presentation" telling of the Cal Poly Symphonic Band's summer tour through Europe. Dr. Wiley was a member of the group which toured four western European countries performing in concerts. The general public is invited.

☐ NEW EMPLOYEES AND PROMOTIONS ANNOUNCED

Donald L. Shelton (Director, Personnel Relations) announces the following appointments to new positions and promotions in the support staff personnel for October, 1975. A hearty welcome is extended to the new members of the Cal Poly staff and congratulations to those who have been promoted.

NEW EMPLOYEES:

Chapman, Janelle M.	Clerical Assistant	Economics Department
Dimmitt, Laura L.	Intermediate Account Clerk	Account Office
Fladby, Laila M.	Clerical Assistant	Home Economics Department
Hoover, Patricia A.	Intermediate Account Clerk	Accounting Office
Lish, Cheryl D.	Operator	Switchboard/G.O.
Marquez, Mary Jane	Clerical Assistant	Political Science Department
Matthews, Cynthia J.	Clerical Assistant	General Office
Rinaldi, James W.	Groundsworker	Grounds
Satterwhite, Theresa	Clerical Assistant	Records Office
Slusser, Kenneth G.	Equipment Technician	Computer Center
Stanley, Donald	Groundsworker	Grounds
Walker, Dorothy C.	Assist. Administrative Analyst	Admissions & Records Office
Wilcox, James A.	Groundsworker	Grounds

PROMOTIONS:

Daniels, Patricia	Departmental Secretary	Special Programs
Flores, Christine M.	Clerical Assistant	Admissions Office
Harrington, C. Diane	Senior Account Clerk	Accounting Office
Hjerrild, Edna X.	Senior Account Clerk	Technical Services, Library
Kelley, Frederick C.	Supervisor	Duplicating
Mullins, Jerry L.	Payroll & Personnel	
	Transactions Clerk II	Payroll
Randrup, Peggy E.	Departmental Secretary	Agricultural Education

LATERAL TRANSFERS:

Brazzi, Michele L.	Clerical Assistant	Ornamental Horticulture & Animal Science
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☐ SUPPORT STAFF VACANCIES LISTED

Vacant support staff positions have been announced by Robert M. Negranti (Staff Personnel Officer). Descriptions of the positions and other vacancies are posted outside the Personnel Office, Adm. 110, ext. 2236. Contact the Personnel Office to obtain an application. This university is subject to the requirements of Executive Order 11246 and is an Affirmative Action Employer. All interested persons are encouraged to apply. The positions are:

Clerical Assistant II-A (\$603-\$734/month), (three positions available), Admissions and Records Office, Student Affairs Division. Duties and responsibilities include working with student records in University Records Office, assisting with registration, preparation of grades, etc; working in the University Admissions Office, processing applications for admission of students. Requirements: high school graduate, one year's clerical experience, typing 45 wpm, and must have taken the General Clerical Test. Closing date: November 4, 1975.

CROSBY GOLF FUND BENEFITS POLY STUDENTS

Students at Cal Poly will be the beneficiaries of a new loan fund made possible by the Bing Crosby Youth Fund. President Robert E. Kennedy said the \$2,000 revolving loan fund will be available to any student at the university who is enrolled in 12 or more units of course work and has successfully completed the freshman year of study. Amounts of up to \$500 can be borrowed without interest until after the student completes his or her study and is no longer enrolled at the university.

President Kennedy praised the directors of the Bing Crosby Youth Fund for their foresight in establishing what he called a "significant addition" to financial aid resources available to Cal Poly students. "This loan fund will be an important factor in offsetting the devastating effects of inflation on the incomes of students who are finding it increasingly difficult to meet the costs of going to college," Dr. Kennedy said. The Bing Crosby Youth Fund is a private, non-profit corporation headquartered in Monterey. It manages and distributes proceeds of the annual Bing Crosby National Pro-Am Golf Tournament for the benefit of young people. Student loan funds at 75 colleges and universities across the nation are supported by gifts from the youth fund.

☐ VACANT FOUNDATION STAFF POSITIONS

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

Vending Supervisor Assistant (\$752-\$914), Food Service Department. Person to be responsible for daily vending routes, maintenance, have ability to make mechanical repairs of all vending machines, handling cash and accountability of inventory. Requires a minimum of two years experience in the use and repair of vending machines and dispensing of vending products. Education: must be a high school graduate. Closing date: November 14, 1975.

Cafeteria Worker 'C' (\$2.50-\$3.18/hr), Food Service Department. Primary duties include serving of food in Staff Dining Room and for catered events, be responsible for cash handling. Must have banquet waiter or waitress experience. Must be high school graduate. Closing date: November 4, 1975.

Cafeteria Worker 'C' (\$2.50-\$3.18/hr), Food Service Department. Primary duties include assisting with the maintenance and stocking of area vending machines. Requires a person experienced in the care of vending machines and their products. Must be high school graduate. Closing date: November 4, 1975.

BICENTENNIAL TIME-LINE

Samuel Adams to Elbridge Gerry: "It should be remembered that history affords abundant instances of established armies making themselves the masters of those countries, which they were designed to protect."

Meanwhile in California, Mission San Juan Capistrano is established by Father Fermin Francisco de LaSuen.

☐ CANDIDATES FOR FACULTY POSITIONS BEING SOUGHT

Candidates for positions on the faculty of the university are presently being sought, according to Donald L. Shelton (Director, 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 the requirements of Executive Order 11246 and is an Affirmative Action Employer. All interested persons are encouraged to apply. Following is a description of the available positions:

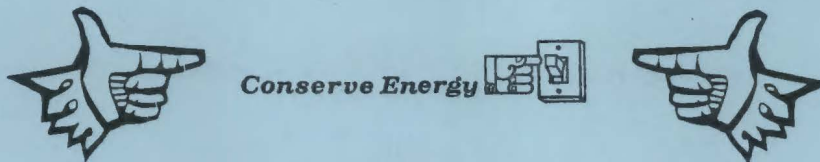
Lecturer (\$4,244-\$5,160/quarter), Industrial Engineering Department, School of Engineering & Technology. Duties & responsibilities include teaching in three or four areas: Production, Production Control, Manufacturing Engineering, Numerically Controlled Manufacturing Processes, Statistical Mathematical Modelling, and Operations Research, at the undergraduate and Master's level. An earned doctorate in Industrial Engineering and unique industrial experience is highly desirable. Appointment level will depend upon professional experience and qualifications. Position for Winter Quarter, 1976 only.

Lecturer (\$1,698-\$2,064/quarter), Social Sciences Department, School of Business and Social Sciences. Part-time position open for Winter Quarter only. Duties and responsibilities include teaching two sections of Cultural Anthropology. Ph.D. preferred. Application closing date: December 1, 1975.

Lecturer (\$1,698-\$2,064/quarter), Social Sciences Department, School of Business and Social Sciences. Part-time position open for Winter Quarter only. Duties and responsibilities include teaching one section of Economic Geography and one section of Global Geography. Ph.D. preferred. Application closing date: December 1, 1975.

Lecturer (\$4,244-\$5,160/quarter), Social Sciences Department, School of Business and Social Sciences. Full-time position open for Winter and Spring Quarters. Duties and responsibilities include teaching four sections of lower and upper division sociology. Specialization in Social Services and Ph.D. preferred. Application closing date: December 1, 1975.

Assistant Instructors (\$844-\$931/quarter, depending upon experience and assignment), Biological Sciences Department, School of Science and Mathematics. Part-time positions. Positions will be available Winter and Spring Quarters, 1976, which will involve teaching laboratories in General Bacteriology, Botany, and Zoology. Bachelor's degree in Biology or a related discipline required. Applicants with concurrent enrollment in the department's graduate program will be given preference. Contact Dr. Richard F. Nelson, Science North 219. Closing date for Winter Quarter is November 3, 1975; and for Spring Quarter, February 15, 1975.



☐ TIME TO ORDER

Calendar pads for 1976 and the most recent edition of the State of California Telephone Directories (August 1975) are now available on campus. Orders may be placed on Supply Order forms furnished by the Receiving Warehouse.

encouraging notes

October 28, 1975

Research Associateship Programs for 1976 - National Research Council
Deadline: January 15, 1976 (Awards will be announced in April)

These programs provide scientists and engineers with opportunities for postdoctoral research on problems in many fields of atmospheric and earth sciences, chemistry, engineering, environmental sciences, life sciences, mathematics, physics and space sciences.

Appointments are awarded on a competitive basis. The competition is open to recent recipients of the doctorate and in some cases to senior investigators. Some are open to non-US citizens also. Approximately 250 to 300 new awards will be made in 1976. Stipends will range from \$15,000 upwards. Grants will be provided for family relocation and for professional travel during tenure. Further information concerning application materials and specific opportunities for research is available from Administration 317 or from the Associateship Office, JH 606-P, National Research Council, 2101 Constitutional Avenue, NW, Washington, DC, 20418.

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Small Grants Program - National Institute of Mental Health (NIMH)
No Deadline

Support up to \$5,000 for one year or less is awarded in the behavioral, biological, and medical sciences relevant to mental health. Applications may be submitted at any time, but those with June, July, or August starting dates must be received no later than February 1st, in order to be reviewed in time for the award of summer support. Suggested areas of support include development and testing of a new technique or method, exploiting an unexpected research opportunity, analyzing previously collected data, or carrying out exploratory or pilot studies. For additional information and application forms, write: Chief, Small Grants Section, National Institute of Mental Health, 5600 Fishers Lane, Rockville, MD, 20852. (301) 443-4337.

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Fellowship and Research Opportunities in the Mathematical Sciences. A brochure with this title has been received from the Math Division of the National Research Council, Washington, DC, 20418. This brochure is for the use of mathematicians--students and researchers at the graduate and postdoctoral levels, including college seniors and their advisors. It lists a number of sources of fellowships, grants and other kinds of support for research and graduate education in the mathematical sciences to be awarded during the year 1975-76. The brochure contains two further sections. The first provides information for pre-doctoral students. The second lists research opportunities for PhD-level mathematicians.

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RESEARCH DEVELOPMENT • ADMINISTRATION 317 • TELEPHONE 546-2982
CALIFORNIA POLYTECHNIC STATE UNIVERSITY • SAN LUIS OBISPO, CALIFORNIA 93407

Canadian Research Opportunities. A brochure entitled "1976-77 Postdoctorate Fellowships in Government Laboratories" has been received from the National Research Council of Canada. This brochure lists research and associateship opportunities in Canada. It is not necessary to be a Canadian citizen to apply, but the applicant must meet all Canadian immigration requirements. Research areas covered include research in science and engineering in laboratories of the following departments and agencies: Agriculture; Communications; Energy, Mines and Resources; Environment; Forestry; Fisheries; Health and Welfare; National Museums; and the Atomic Energy of Canada, Ltd. This brochure is available in Administration 317.

Deadline: Applications and supporting documents should be received in Ottawa not later than January 15, 1976.

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Women's Equity in Education --Office of Education (USOE)
Deadline: Probably December 1 (for preapplications)

Programs must be designed in one of three ways: 1) To change the educational system to eliminate sex role stereotyping limiting the aspirations and options of women; 2) To create changes in educational institutions to overcome discriminatory practices which may be in violation of federal laws, executive orders, or regulations; 3) To provide special training for individuals to remedy the limitations of opportunities resulting from past or continuing discriminatory practices against women.

Further information available from: Joan E. Duval
Women's Program Staff
Office of Education
400 Maryland Ave., SW--Room 3121
Washington, D. C. 20202

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American Issues Forum--National Endowment for the Humanities (NEH)
Deadline: None given

A program to prompt millions of Americans to celebrate the Bicentennial through serious discussion of the country's past, present and future problems. Co-sponsor of the project is American Revolution Bicentennial Administration. (ARBA).

A related educational program, supported by a NEH grant, is the Bicentennial Youth Debates being organized by Speech Communication Association, a nonprofit professional association of speech educators. High school and college students will participate in formal debates on historical and current issues that will be coordinated with American Issues Forum topics.

For information about the Forum: National Endowment for the Humanities
806 Fifteenth St., NW
Washington, D. C. 20506

For details on Youth Debates: Bicentennial Youth Debates
1625 Massachusetts Ave., NW
Washington, D. C. 20036

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