cal poly report

CALIFORNIA POLYTECHNIC STATE UNIVERSITY
SAN LUIS OBISPO, CALIFORNIA 93407

Volume 28, No. 16 November 10, 1976

PRESIDENT SEEKS FUNDING AT 14,200 FTE LEVEL

A new budget projection for Cal Poly is being sought for the current fiscal year and for fiscal year 1977-78. President Robert E. Kennedy said that the University is seeking budget revision at the level of 14,200 full-time equivalent students for next year, and an adjustment for the current year, to equal current enrollment.

Dr. Kennedy said a published report that failed to include Cal Poly as one of four campuses having experienced a Fall 1976 enrollment increase did not take into account comparable figures that show 38 more students than last year. The six-week census report for Cal Poly shows 15,196 individual students enrolled, compared to 15,158 last year at the same time. The system-wide figures do not indicate that Cal Poly turned away nearly three thousand student applications in order to hold enrollment at this Fall's level.

In 1975-76, an enrollment target of 13,800 was exceeded by 430 FTE and this year will be exceeded by an estimated 400 FTE. FTE enrollment figures are based on an equivalent of 15 units for all students enrolled. Pointing out that the enrollment plateau has been necessary because of the University's long range need for facilities, Dr. Kennedy indicated that this year's completion of the Architecture Building will add 500 FTE students to the University's facility capacity, and completion of the Clyde P. Fisher Science Hall will add about 700 FTE capacity in 1978-79.

Dr. Kennedy said that the new enrollment plateau of 14,200 FTE is being set in order to provide budgetary support for students currently enrolled. A continuation of the same figure next year is necessary to avoid program imbalance which might make faculty and staff layoffs necessary. "We experienced exceptionally high 'show rates' for continuing and returning students in Fall 1975, and for new students in Fall 1976," Dr. Kennedy noted. This sudden reversal in show rate was experienced throughout the country, as well as here at Cal Poly. Even at institutions where overall enrollment has been declining, the show rate increased in 1975. This did not cause a hardship at some institutions, but it has been significant at Cal Poly where facilities are already over utilized. Dr. Kennedy said that plans are to maintain an enrollment level of 14,200 through 1980-81.

November 14-20 is EDUCATION WEEK

FACULTY/STUDENT EXCHANGE - SAN LUIS POTOSI, MEXICO

At the invitation of the Governor of the State of San Luis Potosí and the Rector of the Autonomous State University of San Luis Potosí, The California State University and Colleges has been invited to create a faculty and student exchange program (on a one-to-one basis) in San Luis Potosí (250 miles north of Mexico City on the highway leading to Monterrey and Laredo). These exchanges may be for a quarter/semester or for the full academic year.

Faculty members contemplating an exchange should be fluent enough in Spanish to lecture in their discipline area. In some special cases, such as in technical fields, the University of San Luis Potosí may be willing to provide translators. The Rector has expressed an interest in faculty exchanges in such academic areas as the sciences, agriculture, engineering, and architecture. Instructors in the humanities, especially in Spanish/Latin American-Mexican Literature, may have some difficulty working out an exchange. For more information and application contact the Office of International Programs, Adm. 317 at Ext. 2982.

PEACE CORPS WILL HAVE CAMPUS REP

A graduate student at Cal Poly will assist in the establishment of a continuous Peace Corps presence on the campus as the result of a $9,450 grant to the university by ACTION, the United States agency which oversees Peace Corps, Vista, and other similar volunteer organizations. The grant was made to enable Cal Poly to establish a model for campus representation of the Peace Corps. A graduate student in the international agriculture concentration of Cal Poly's Master of Science Degree in Agriculture will work under the supervision of Robert McCorkle (Agricultural Management).

The grant will provide funds for a graduate assistant salary and to reimburse the university for support services, including office space, clerical help, supplies, and materials. The graduate student Peace Corps specialist will cooperate with the Peace Corps in advising students at Cal Poly who have an interest in international agriculture about the role they can play through the Peace Corps. McCorkle has served a faculty assignment in Africa on an Agency for International Development project and has supervised international education projects for the university.

CHEESE GIFT BOXES AGAIN AVAILABLE

Once again the Poly Pak cheese gift boxes will be available for the Christmas season. This year the Poly Paks are offered for sale as a student project. Each box is full of assorted cheeses made at Cal Poly, coated in paraffin to insure freshness. The boxes come in three sizes to suit individual needs:

Box 1 includes two cheeses: Mild Cheddar and Monterey Jack, at $5.00.
Box 2 includes five cheeses: Mild Cheddar, Monterey Jack, Monterey w/Caraway, Colby, and Sharp Cheddar, at $11.00.
Box 3 includes eight cheeses: Monterey Jack, Mild Cheddar, Sharp Cheddar, Monterey w/Caraway, Colby, Processed American, Muenster, and Brick, at $15.00.

Each box comes ready to wrap and is easily sent through the mail, making good gifts for parents, friends, and business associates. All orders must be placed by Friday (Dec. 3), and can be picked up in the Campus Store during the week of Dec. 8-11. Order blanks are available in the Campus Store or may be obtained by phoning Nancy Raetz at Ext. 2560.

NEW TRUSTEE WILL BE ALUM

The California State University and Colleges' Board of Trustees will increase by one member next year with the appointment of a representative of the CSUC alumni/alumnae associations. The new Trustee, whose appointment will bring the Board's membership to 23, will be selected for a two-year term by the Statewide Alumni Council, comprised of representatives of alumni groups from the 19 CSUC campuses. Appointment of the additional Trustee will result from 1976 legislation supported by the Board of Trustees.

The Statewide Alumni Council announced that 20 nominations have been received from campus alumni organizations with selection to be made in January. Statewide alumni/alumnae representatives have been active for several years in the CSUC's systemwide matters, including participating in discussions of the Board of Trustees. The new Trustee will have full voting privileges, as well as being assigned to Board committees.

MOTORCYCLES SUBJECT OF NEW BOOK

"Motorcycles Mechanics" is the title of a new book co-authored by Lynn Mosher (Industrial Technology). The book, which will be published by Prentice Hall, Inc., in January, deals with the maintenance and repair of motorcycles. Dr. Mosher, who joined Cal Poly's faculty in 1974, believes the book, co-authored by George Lear of Northern Virginia Community College, will offer the motorcycle mechanic an adequate written theory and practical mechanical step-by-step instruction.

According to Dr. Mosher, "Motorcycle Mechanics," has been written to provide the student mechanic or motorcycle owner with basic theory, practical inspection, and repair techniques to accomplish a thorough, safe, and successful maintenance and repair process. Dr. Mosher is a graduate of State University College, Oswego, NY; St. Lawrence University, Canton, NY; and Utah State University, where he completed study for his doctor's degree in 1974.

MERIAM RECEIVES NEW HONOR

James L. Meriam (Mechanical Engineering) an authority in engineering mechanics has recently been elected as a fellow of The American Society of Mechanical Engineers (ASME). Fellow is a membership grade conferred by ASME on its members who have at least 10 years of engineering practice and have made significant contributions to the field of engineering. In addition to ASME, he also belongs to the Society for Experimental Stress Analysis, the American Society for Engineering Education, The Society of Sigma Xi, Tau Beta Pi, and Pi Tau Sigma.

A member of Cal Poly's faculty since 1972, Dr. Meriam is presently on leave working on revisions of his textbooks. He expects to return to his teaching assignment in January. A graduate of Yale University, where he earned his bachelor's, master's, and doctor's degrees, Dr. Meriam formerly taught at University of California at Berkeley and was dean of engineering at Duke University in North Carolina.

He is the author of two well-known textbooks on engineering mechanics. Now in their second editions, they have been universally accepted by engineering schools throughout the U.S. and Latin American. Dr. Meriam was the recipient of the Yale Engineering Association Award for the Advancement of Basic and Applied Science in 1952, and while at UC Berkeley, received the Tau Beta Pi "Outstanding Faculty Award."

ARTS/HUMANITIES WILL CLOSE WITH MUSIC

A joint concert by the Cal Poly University Singers and Chamber Orchestra will be presented during the next program of the Arts and Humanities 1976-77 series on Friday (Nov. 19). The concert, which will begin at 8:15 pm, will be presented in the Cal Poly Theatre, according to John Russell (Music), conductor of the University Singers, and Clifton Swanson (Music), conductor of the Chamber Orchestra. Admission will be free and the public is invited to attend. Programmed for the campus concert are numbers by W. A. Mozart, Franz Schubert, Francesco Geminiani, and Earle George.

After the Chamber Orchestra's opening rendition of Mozart's Symphony No. 27 in G Major, the choir will present George's "Songs of Innocence." Following intermission and the orchestra's playing of Geminiani's Concerto Grosso, Opus 7, No. 1 in D Major, the two musical groups will combine their talents in the finale of the night's program, Schubert's Mass in C Major, Opus 48. The Nov. 19 concert, sponsored by Cal Poly's School of Communicative Arts and Humanities and Arts and Humanities Student Council, will be the final Fall Quarter presentation of the Arts and Humanities 1976-77 series.

REGISTRAR REMINDS OF DEADLINES

Gerald N. Punches (Registrar) reminds all faculty and staff members that the 7th week of instruction ends at 5 pm, Monday (Nov. 15). This is the deadline for:

Submitting a petition to withdraw from a course. The university catalog states: "Except for University recognized emergencies, no withdrawals from courses are permitted beyond the seventh week of instruction."

Submitting a petition to repeat a course. If a student is repeating a course Fall Quarter at Cal Poly in which a grade of D or F has been recorded at this university or some other college or university, the petition must be filed in the Records Office to ensure the re-calculation of the student's grade point average.

LOST/FOUND AND SURPLUS PROPERTY SALE

There will be a sale of all unclaimed Lost & Found articles and all Surplus Property articles on Tuesday (Nov. 30) between 8:30 am and 4 pm in the university State Warehouse Building. Tuesday will be used for the receiving of bids. Bids will be compiled on Wednesday (Dec. 1) and lists of highest bidders will be posted on campus. All highest bidders will pick up items on Thursday (Dec. 2) only between 8 am and 4 pm. Friday (Dec. 3) will be used for second and third highest bidders to claim items not claimed by highest bidders. Clothing, books, jewelry, electronic equipment, a gas stove, balances, calculators, sewing tables, potter's wheels, a safe, a cash register, Corning cook top, and various miscellaneous items will be available. Of special interest to contractors is the fact that approximately 2,000 ft. of used 2½" fire hose will also be available.

INTERNATIONAL PROGRAMS/STUDY ABROAD PRESENTATION

Representatives of International Programs Office will meet with all students interest in studying abroad, in Chumash Auditorium Wing 204 on Tuesday (Nov. 16) from 1 pm through 5 pm and again from 7 pm through 10 pm. Application forms will be available at this time. A slide show will be presented at 2 pm and 7 pm.

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

Sonja S. Murray and Evelyn I. Pellaton (both Women's Physical Education) presented a program and demonstration on fitness, aerobics, Hatha Yoga, and "You are what you eat", for the Cayucos Lady Lions on Oct. 18.

Armando Pezo-Silva, Walter L. Harris, Maritza Kaestner, and Margarita Gonzales (all Educational Opportunity Program) attended a three day conference, Oct. 15 - 17, in Sacramento. As participants, they participated in a series of workshops that identified past, present, and future concerns of the EOP program throughout the state.

William Carl Wallace (Director, Educational Opportunity Program) participated as a group leader for an all day workshop held at Yale University, Oct. 15. He presented a series of exercises designed to improve the relationship of counselors to Afro-American students. The workshop was one in a series of special programs for Ethnic Heritage Appreciation.

Linda Atwood, Philip S. Bailey, Jr., Leland S. Endres, Thomas G. Frey, Ralph A. Jacobson, William A. Johnson, James D. Westover, Johnnie-Marie Whitfield (all Chemistry) and William C. Langworthy (Science and Mathematics) attended the Centennial meeting of the American Chemical Society on Aug. 29 - Sep. 3, at which the 75th Anniversary of the founding of the Society's California section was also celebrated. The meeting, attended by more than 10,000 members, included over 2800 scientific papers in 428 sessions, the largest meeting of its type ever held. Drs. Bailey and Endres participated in the preparation of a new standard ACS exam in organic Chemistry.

Raymond A. Wysock (Industrial Technology) has been licensed by the California State Board of Registration for Professional Engineers. The license was granted in the field of Manufacturing Engineering. Dr. Wysock has been employed in manufacturing, engineering, and management positions for over twenty years and earned the doctorate in Industrial Education at Utah State University, with a sub-field in Manufacturing Engineering.

Sham S. Luthra (Computer Science & Statistics) is coauthor of the paper "Optimal Design of Single Reservoir System Using & Release Policy", published in Water Resources Journal, Vol. 12, No. 4, Aug. 1976.

Irving P. Babow (Social Sciences) participated in the state-of-the-art survey of intercultural training and research conducted by the Society for Intercultural Education, Training & Research, University of Pittsburgh, and funded by the U.S. Department of State. Dr. Babow gave information on his ongoing study, "The Influence of Yiddish on American English: A Sociolinquistic Perspective."

Hazel C. Jones (Vice-President for Academic Affairs) and Barton C. Olsen (History) have been appointed by California State University of Colleges Chancellor Glenn S. Dumke to serve on a newly created, system-wide Student Writing Skills Committee. The 13-member committee was recently authorized by the Board of Trustees and is charged with the responsibility of setting up a program within the system which addresses the problem of writing problems of university students. The program is to go into effect by Sep. 1977.

Patricia A. Saam and Marjorie Cho (both Home Economics) attended the annual American Dietetic Association Convention in Boston Oct. 11 - 15.

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WHO...WHAT...WHERE...WHEN??? (continued from page 5)

David H. Thomson (Biological Sciences) met in Los Angeles with representatives of other California State Universities and Colleges to develop means whereby incoming students may receive general education credit in Biology. A passing grade in a newly standardized Biology test will allow high school seniors and community college transfers to receive 4½ quarter hours of credit in general education Biology.

Peter T. Jankay, David J. Keil, and Malcolm McLeod (all Biological Sciences) attended the California Botanical Society graduate student meetings Oct. 23 - 24 at U.C. Santa Barbara.

Shirley R. Sparling (Biological Sciences) gave an illustrated lecture on marine algae and led a marine field trip at Montana de Oro State Park on Oct. 24 as part of the docent training program at Morro Bay State Park.

Richard F. Nelson (Biological Sciences) attended the National Micrographics Invocation Mid-Year Conference at Denver Oct. 12 - 15. The meeting was designed for the exchange and development of unique concepts in the field of micrographics and COM graphics.

Robert E. Kennedy (President), Thomas E. Hale (Chair, Academic Senate), Barton C. Olsen (Statewide Senator), Ole Meland (President, ASI), and Dominic B. Perello (President, CCUFA-CTA-NEA) attended the sixth annual CSUC Academic Senate Retreat held at Asilomar Conference Grounds in Pacific Grove, Oct. 29 - 31.

Philip K. Ruggles and Joseph W. Truex (both Graphic Communications) were guests of the Printing Industries of Southern California at a one-day symposium, Nov. 4, in Los Angeles. General topic of the meeting was a recently published study which investigates management directions and profits in the printing industry.

Anthony E. Knable (Natural Resources Management) has recently been appointed by the president of American Fisheries Society to serve during 1976 - 77 as a member of the organization's Student Affairs and Membership Committees. The American Fisheries Society is a professional organization devoted to advancing fisheries' research and management.

H. Clay Little (Agricultural Management) was appointed to the Finance Task Force of a Small Farm Viability Planning Project. Six task forces have been formed to identify problems peculiar to small farms in California and to recommend public policies designed to alleviate these problems.

Walter E. "Walt" Elliott (Physics, on leave) has been appointed Visiting Associate Research Professor at East Texas State University in Commerce, Texas while on sabbatical leave (from Cal Poly). Dr. Elliott works with the local Atomic Collisions Group and uses an accelerator in his research.

James W. Reed (Speech Communication) presented a communication workshop for the administration and faculty of the Fillmore San Cayetano School Oct. 15-16, in Oxnard.

Thomas E. Eltzroth (Ornamental Horticulture) was elected to a three year term on the board of directors of the Western Garden Writers Symposium during a meeting at Stanford, Oct. 23-24. Five faculty members, Eltzroth, Charlotte B. Burns, Winton H. Frey, Garth G. Hokanson and Robert P. Rice, and eight students, (all Ornamental Horticulture) attended the symposium.

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WHO...WHAT...WHERE...WHEN??? (continued from page 6)

Frederick J. O'Toole (Philosophy) has published two books: Elementary Symbolic Logic, a logic textbook, and Mind, Body, and Parapsychology, an anthology for his introductory courses.

Michael D. Zohns, and Timothy A. Gaskin (both Ornamental Horticulture) attended a one-day short course in Palo Alto on "Tree Injection to Control Dutch Elm Disease."

John W. Boyd and Timothy A. Gaskin (both Ornamental Horticulture) attended the 1976 Turf and Landscape Show, Costa Mesa.

Robert W. Walters (Student Activities) and seven student officers of the Week of Welcome Board attended a conference of the National Orientation Directors Association in Knoxville, Tennessee, Oct. 23-27. Mr. Walters made two presentations on "Student Development in Orientation" and was selected to the National Board of Directors of N.O.D.A. He will be the National Chairman of the Association's fourteen regions and will act as co-chairman of the National Conference in Los Angeles in 1977.

Charles H. Lindamood (English) gave a lecture on "The Auditory Conceptual Factor and Master Planning for Literacy" at the California Association for Neurologically Handicapped Children held at California State Polytechnic University, Pomona, on Oct. 29.

Robert G. Lint (English) presented a paper titled "The Barrio Endowment to American Literature" at the Western American Literature Conference held Oct. 7-9 at Bellingham, Washington.

John F. Kerr (English) attended a meeting of the California State Poetry Society at Modesto, Oct. 8-10, to help install the new officers. Kerr also attended a conference of the California Association of Teachers of English at Yosemite National Park, Oct. 15-17, and gave a poetry reading.

John F. Harrington (English) presented a paper titled "When the Legends Die: Hollywood's Indian Rhetoric," at a meeting of the Canadian American Studies Society held at Manitoba, Canada, Oct. 19-23.

BICENTENNIAL TIME-LINE

Fort Washington on Manhattan Island is surrendered to the British.

From the Freeman's Journal: "We hear Colonel Ethan Allen is now on board ship at New York; that he has been treated since his being taken a prisoner with the utmost barbarity, . . . and we hope an exchange will soon take place."

Typewritten copy intended for the next issue of Cal Poly Report must be received prior to 12 noon on Tuesday (Nov. 16) in the Public Affairs Office, Adm 125. Copy intended for Cal Poly Dateline is due in the Public Affairs Office by 12 noon on Wednesday (Nov. 17).

NEW EMPLOYEES, TRANSFERS AND PROMOTIONS

Donald L. Shelton (Director of Personnel Relations) announces the following appointments to new positions, lateral transfers and promotions in the support staff personnel for October, 1976. A hearty welcome is extended to the new members of the Cal Poly staff and congratulations to those that have been promoted!

NEW EMPLOYEES:

Baker, Mary E.	Clerical Assistant	Library
Bettencourt, Edith I.	Custodian	Plant Operations
Hall, Mary	Clerical Assistant	General Office
Heideman, Christine	Helper Aid	Grounds
Jones, Douglas C.	Student Affairs Assistant	Activities
Knuckles, Gary L.	Groundsworker	Grounds
Lanferman, Janis C.	Clerical Assistant	Library
Leyva, Reuben F.	Warehouse Worker	Warehouse
Mc Grew, Carla M.	Clerical Assistant	General Office
Phillips, Carol J.	Clerical Assistant	Computer Science
Pinedo, John A.	Groundsworker	Grounds
Schuldt, Carol M.	Clerical Assistant	Library
Standley, George G.	Groundsworker	Grounds
Williams, Carolyn M.	Clerical Assistant	General Office
Wouters, Willy L.	Custodian	Plant Operations
Zigler, Janice L.	Clerical Assistant	Animal Science

TRANSFERS AND PROMOTIONS*:

Arata, Pamela F.	Intermediate Account Clerk	Financial Operations
Halstead, Lillian L.	Clerical Assistant	Economics
Landahl, Audrey J.	Clerical Assistant	Education
Mc Ilwain, Esther*	Clerical Assistant	Records
Tyner, Judith E.*	Departmental Secretary	Associate Executive Vice President's Office

LIBRARY HOURS FOR HOLIDAYS

Although Veteran's Day is an academic holiday, the University Library will maintain regular hours, i.e., it will be open from 8 am until 10 pm and the Reserve Book Room will remain open until midnight. Since no classes are scheduled to meet on Thursday (Nov. 11) the Library will close at 5 pm on Wednesday afternoon.

During the Thanksgiving holiday, the Library will implement the following schedule: Tuesday (Nov. 23) 7:45 am to 5 pm; Wednesday (Nov. 24) 8 am to 5 pm; Thursday (Nov. 25) Closed; Friday (Nov. 26) 8 am to 5 pm; Saturday (Nov. 27) 8 am to 5 pm; and Sunday (Nov. 28) 1 pm to 10 pm., Reserve Book Room open until midnight.

LIVESTOCK JUDGERS COMPETE IN NATIONALS

A livestock judging team from Cal Poly will participate in the national finals collegiate judging competition at Louisville, KY, on Monday (Nov. 15). The national contest is held in conjunction with the North American Livestock Exposition. The Cal Poly team, coached by Bill Jacobs (Animal Science) already has won first places at Denver, Ft. Worth, and Ogden, and second place in contests at Portland and San Francisco. Jacobs says 10 students participate in the team effort, with five representing the university at each of the contests.

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 and Title IX Employer. All interested persons are encouraged to apply. Following is a description of the available positions:

Assistant Professor,(Correction of 10/28/76 position vacancy announcement), ($13,572-$16,320/academic year, dependent upon qualifications), Psychology, School of Human Development & Education. Requirements: Ph.D. in Clinical-Community psychology and a minimum of 2 years of full-time teaching experience at the university level. Applicants should be primarily interested in teaching students of various technical backgrounds who are not majoring in psychology. Teaching duties include courses in personal development, abnormal psychology, behavior in organizations, & effective study skills, as well as a team taught multimedia course. Closing date: 2/1/77.

Assistant Professor, ($13,572-$16,320/academic year, depending upon experience and qualifications), Speech Communication Department, School of Communicative Arts and Humanities. Duties: teaching basic speech communication course, rhetorical theory as well as the application of rhetorical theory for secondary school teachers, possibly American public address, involvement in research, student advising and other departmental duties. Requirements: Ph.D. in discipline of Speech Communication at the time of hiring. Preference will be given to candidates with experience. Available September, 1977. Closing date: 1/15/77.

Lecturer, ($9,048-$10,880/Winter & Spring Quarters, 1977), Agricultural Education, School of Agriculture & Natural Resources. Duties: teaching undergraduate courses, assisting with co-curricular activities and possible supervision of student teachers. Vocational agriculture teaching experience required. Experience in supervision of student teaching and Master's desirable. Available 1/3/77 - 6/11/77.

Assistant/Associate Professor, ($13,572-$20,592/year), Business Administration Department, School of Business. Full-time position for 1977-78 to teach courses in Financial Management, Investments and Portfolio Theory, Financial Institutions, Money & Capital Markets. Applicants should expect to have a doctorate completed by September 1977. Opening in September 1977. Closing date: 2/1/77.

Lecturer, ($4,524-$5,440/quarter - salary quoted is for full-time & will be adjusted according to assignment), Education Department, School of Human Development and Education. Part-time openings for Winter and Spring 1977 to teach the following classes: Ed 402, Minority Student Counseling & Guidance; Ed 424, Organizing & Teaching Multiple Subjects; Ed 436, Diagnosis, Prescription & Evaluation; Ed 438, Instructional Processes; Ed 439, supervision of pre-student teaching field experience for credential candidates; Ed 440, supervision of student teachers in public schools; Ed 540, Appraising Career Development; Ed 503, Guidance Services; Ed 322, Community Laboratory (Spring Quarter); Ed 525, Group Guidance; Ed 528, Advanced Counseling Critique (Winter Quarter); Ed 539, Educational, Occupational & Community Information; Ed 546, Supervised Field Experience (Spring Quarter); and Ed 581, Focus on Women (Winter Quarter). Doctor's degree preferred. Send resume to Dr. Walter P. Schroeder, Head, Education Department. Closing date: 12/1/76.

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SUPPORT STAFF VANCANCIES 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 and Title IX Employer. All interested persons are encouraged to apply. The positions are:

Clerical Assistant II-A, ($673-$804/month), Admissions and Records, Student Affairs Division. Duties: working with student records in University Records Office, assisting with registration, preparation of grades, etc.; and working in University Admissions Office, processing applications for admission of students. Requirements: high school graduate, 1 year of clerical experience, typing 45 wpm, and must have taken the General Clerical Test. Closing date: 11/18/76.

Head Resident I, ($815-$975/month), Housing Office, Student Affairs Division. Duties: responsible for general welfare & proper functioning of resident hall; interviewing, training, & supervision of resident advisors; group facilitator to residence hall government & activities; assists residents in personal & social development; and represents Housing Department in communicating with public. Requirements: 2 years experience as head resident or full-time counselor & college graduate. Small 1-bedroom apartment, live-in position, 24-hour, 7-day coverage. Closing date: 11/18/76.

Equipment Technician I, ($553.50-$665.50/month), Graphic Communications, Communicative Arts & Humanities. Half-time. Duties: Install, maintain, repair & upgrade a variety of electronic, electromechanical and electrical equipment in printing laboratories & shops. Requirements: high school graduate, and at least 1 year of experience in the maintenance of electronic or mechancial equipment. Some formal training in electronics helpful. Closing date: 11/18/76.

FACULTY POSITIONS (continued from page 9)

Lecturer, ($9,048-$10,880/Winter and Spring Quarters 1976/77 Academic Year), Economics, School of Business. Duties include an instructional load of 12 hours per week per quarter, teaching primarily principles of economics. Minimum requirements: Dissertation stage. Position available 1/3/77. Closing date: 11/24/76.

Lecturer, ($13,572-$16,320/year - salary will be adjusted depending on teaching assignment), Economics, School of Business. Part-time position for Winter Quarter 1977 only. Duties include an instructional load ranging from 3 to 12 hours per week teaching primarily principles of economics. Minimum requirement: Master's Degree or dissertation stage. Closing date: 11/24/76.

Lecturer, ($2,477-$3,264/quarter), Agricultural Management, School of Agriculture & Natural Resources. Winter and Spring Quarters. Duties include teaching three sections of a 3-unit course in Agricultural Sales. Candidate must possess at least a B.S. Degree in Agriculture & been trained & experienced in sales. Closing date: 11/26/76.

Lecturer, ($905-$1,088/quarter), Agricultural Management, School of Agriculture & Natural Resources. Winter and Spring Quarters. Duties include teaching 1 section of a 3-unit course in Agricultural Law. Candidate must possess at least a B.S. Degree and have received training in law, preferably a law degree. Experience & training in agriculture is desired. Closing date: 11/26/76.

encouraging notes

November 10, 1976

TITLE VI-A MATCHING EQUIPMENT GRANTS. Guidelines are now available in each dean's office for proposals to purchase instructional equipment with matching grants under Title VI-A of the Higher Education Act of 1965. The University may request up to $20,000 to match a like amount.

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NSF - NATIONAL NEEDS POSTDOCTORAL FELLOWSHIPS. As a means of strengthening the science base of the nation, the National Science Foundation plans to award in mid-March 1977 subject to the availability of funds, approximately 100 fellowships for postdoctoral research and study on scientific problems related to national needs. Awards of these NSF Postdoctoral Fellowships will be made for appropriate study or research in the mathematical, physical, medical, biological, engineering, and social sciences. Applicants interested in interdisciplinary studies are encouraged to apply.

Application materials may be obtained from the Fellowship Office, National Research Council, 2101 Constitution Avenue, NW, Washington, DC, 20418.
DEADLINE: *December 6, 1976.* (SE 77-13)

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NSF - RESEARCH INITIATION AND SUPPORT PROGRAM (RIAS). The RIAS program has been established for the purpose of strengthening programs of training and research for young scientists at the graduate and postgraduate levels at educational institutions. Awards under this program may include support up to a maximum of three years and $200,000 for activities aimed at meeting departmental, interdepartmental, institution-wide, or interinstitutional training and research needs.

For further information and application forms, contact the Research Development Office (2982). DEADLINE: *December 10, 1976* (SE 77-38)

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NSF - SCIENTISTS AND ENGINEERS IN ECONOMIC DEVELOPMENT (SEED). Under the SEED program, scientists and engineers from U. S. colleges and universities teach and conduct research in developing countries in Africa, Asia, and Latin America. The program is funded by the Agency for International Development (AID) and administered by NSF. The program is designed to enable U. S. scientists and engineers to share their knowledge and experience in fields important to the economic development of the host country -- engineering, physical sciences, earth sciences, biological sciences, social sciences, and science education. Awards will be announced in April 1977. The program provides two types of awards: Research/Teaching Grants that enable scientists and engineers to spend five months to a year at an academic institution in a developing country. Stipends and fringe benefits may be paid up to $1,500 per month. International Travel Grants are awarded to scientists and engineers for short-term visits to conduct seminars, give lectures, review specific research projects, and survey education developments.

Further information is available in the Research Development Office. (76-19)
DEADLINE: *December 15, 1976.*

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

NSF - US/AUSTRALIA COOPERATIVE SCIENCE PROGRAM. Joint seminars/workshops may be on any appropriate scientific subject of mutual interest to scientists in both countries and may involve small groups of U. S. and Australian scientists meeting in the U. S. or Australia for the purpose of exchanging information or developing collaborative research. Academic institutions, government laboratories, professional societies, and other private or public scientific organizations interested in this program should refer to NSF brochure 74-23. This brochure may be requested from: Lori Trent, Program Manager, US/Australia Cooperative Science Program, NSF, Washington, DC, 20550. DEADLINE: *January 1, 1977.*

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NEA - CHALLENGE GRANTS. A multi-year program of Challenge Grants of the National Endowment for the Arts has been announced by the Endowment. Matching grants of federal funds will be made in amounts ranging from $10,000 to $500,000 per year for each organization. Matching of funds must be made on at least a three-to-one basis. Eligible institutions include art, science, and history museums, dance companies, orchestras, community cultural centers, and related arts associations.

Further information may be obtained by writing to Lawrence L. Reger, Director, Program Development and Coordination, National Endowment for the Arts, Mail Stop 651, Washington, DC, 20506, or by calling (202) 634-6110. DEADLINE: *January 3, 1977.*

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NSF - GUIDE TO PROGRAMS. This guide for FY 1977 is designed to provide summary information about programs of the National Science Foundation, and is intended as a source of general guidance for institutions and individuals interested in participating in these programs. Program listings describe the principal characteristics and basic purpose of each activity, eligibility requirements, closing dates (where applicable), and the address from which more detailed information, brochures, or application forms may be obtained. This guide is available for review in Administration 317.

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COMMERCE DEPARTMENT - WEATHER MODIFICATION RESEARCH. The Department of Commerce will conduct a program of weather modification research. The law authorizes $1 million for research on the use of weather modification to decrease the adverse impact of weather on agriculture, economic growth, and public welfare. Techniques for drought prevention and alleviation and other forms of weather modification and the international impact of a U. S. weather modification program will be studied.

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UMTA - URBAN TRANSPORTATION RESEARCH AND PROFESSIONAL TRAINING. The Urban Mass Transportation Administration has set a receipt deadline of *February 1, 1977,* for applications for research grants in problems of urban transportation and professional training grants in the fields of urban transportation, analysis, planning, engineering, and operations. The grants, which will be awarded to accredited institutions of higher education, are intended for work during the academic year 1977-78. The overall intent of this program is to fund specific university research and training activities, not to provide basic institutional support.

For more information, write: Division of University Research (UPP-35), Office of Policy and Program Development, Urban Mass Transportation Administration, Department of Transportation, Washington, DC, 20590. (Telephone: 202/426-0080)

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FOUNDATIONS: Private foundations can be a source of funding for a wide variety of purposes, including research. Further information about each of these is available in the Research Development Office through the Taft Information System, the Guide to California Foundations, and selected foundation annual reports.

FOUNDATION	PURPOSE
FLUOR FOUNDATION	Higher education.
FOREMOST-MC KESSON FOUNDATION	Grants to organizations in the following broad categories: education (research, scholarships, minority programs), health and welfare, civic, cultural.
FOREST LAWN FOUNDATION	Scientific, literary, and educational purposes.
LAWRENCE L. FRANK FOUNDATION	To college, receive, and dispose of funds exclusively for scientific, literary, or educational purposes; to provide prosthetic and other aid to crippled children and adults.
GILDRED FOUNDATION	Youth, education, minority development, new projects, health and hospitals, international relations.
MAXINE GILDRED FOUNDATION	Youth, education, minority development, new projects, health and hospitals, international relations.
LUKE B. HANCOCK FOUNDATION	The Foundation is interested in positive innovative programs responding to changing social, educational, cultural, economic, and environmental concerns through tax-exempt organizations in California and Nevada with preference for programs in the San Francisco Bay Area.
JOHN RANDOLPH HAYNES & DORA HAYNES FOUNDATION	Promoting the well-being of mankind.
THE HEARST FOUNDATION	Health care, research, social service, religion.
WILLIAM RANDOLPH HEARST FOUNDATION	Education, youth, culture, religion, relief of the poor.
W. R. HEWLETT FOUNDATION	Favored areas for support include: education, especially at the college-university level; the arts and humanities; population problems; preservation of the environment; and equality of opportunity.
EDWARD E. HILLS FUND	To receive, acquire, hold, manage, administer, and expend funds for religious, charitable, scientific, education, and literary purposes in furtherance of the public welfare and the well-being of mankind.

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BRIEF DEADLINE NOTES

December 1 USOE Student Research Program for Handicapped Research and Demonstration. Under this program USOE is interested in a broad range of student initiated and directed research and research-related projects focusing on the education of handicapped children. A second deadline will be March 15, 1977.

December 1 NSF Student Originated Studies. Studies are conducted by multidisciplinary teams of students, primarily undergraduates and are concerned with a problems of the physical, biological, or social environment.

December 1 NEH General Research Program Grants. The program supports individual scholarships as well as encouraging the development of collaborative, interdisciplinary research projects focused on the humanistic disciplines. Research on state and local history is encouraged.

December 1 NSF Engineering Research Initiation Grants. New engineering faculty members may receive up to $35,000 for a two-year grant period of engineering research, either on or off-campus.

December 1 NEA Architecture & Environmental Arts Program. This program includes: (a) Academic and Professional Research; (b) Design Fellowships; (c) Public Education and Awareness; (d) Services to the Field.

December 3 NSF Comprehensive Assistance to Undergraduate Science Education Program. CAUSE aims to strengthen undergraduate science education at two- and four-year colleges and universities, and improve the quality of science education at the undergraduate level.

December 3 NSF National Needs Postdoctoral Fellowships. Approximately 100 awards will be given to applicants who have received the doctorate within the past five years. The stipend will be $1,000 per month, with a tenure of from six months to one year. In addition, U. S. institutions will receive an allowance of $1,200 for each Fellow enrolled.

December 15 Teacher Corps Program Grants. For applications from institutions of higher education in combination with local education agencies. For further information contact: Teacher Corps, Room 1700, Donohoe Building, 400 - 6th Street, SW, Washington, DC, 20202. (202) 472-2582.

December 15 NEH Education Program/Humanities Consultants Grants. This program provides small grants to bring humanities consultants to campuses to advise on how to build successful humanities programs.

December 17 USOE Ethnic Heritage Studies Program. Approximately 50 major grants averaging $37,000 in size are expected to be awarded during FY 1977, and approximately 50 minigrants ranging from $10,000 to $15,000 will also be awarded. Applications available in Administration Building Room 317.

December 20 NEA Craftsmen's Fellowships. Non-matching fellowships of $5,000 will be available to professional craftsmen of exceptional talent and demonstrated ability (glassblowers, metalsmiths, potters, weavers, woodworkers, etc.) Contact: Visual Arts Program (Mail Stop 501), National Endowment for the Arts, Washington, DC, 20506. (202) 634-1566.

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