

CAL POLY REPORT

California Polytechnic State University
San Luis Obispo, California 93407

November 13, 1980
Volume 32, Number 12

Department faculty meet with president

President Warren J. Baker would like an opportunity to meet with the faculty of each department on a periodic basis to exchange ideas, listen to departmental views on issues of concern to the faculty, and review the goals of the department. Because of limited time, it is unlikely that all departments will be able to meet with President Baker each year but he would like to continue the practice on a periodic basis.

Last year the President met with 32 departments. Those departments that have not yet had a meeting, and wish to do so this year, should call Grace Arvidson at Ext. 2111 to arrange a mutually convenient time.

Committee dissolved

President Warren J. Baker has endorsed the unanimous recommendation by members of the University Committee on Committees to dissolve the Discrimination Study Committee effective immediately. The committee has been inactive since 1974 and it is felt that the Equal Opportunities Advisory Council and the Fairness Board can handle any issues that may come up.

Student Census Data Reported

Official enrollment at Cal Poly is now reported as 16,048 students for the 1980 Fall Quarter as compared with a recently reported preliminary figure of 15,943, and the 15,977 census date total reported for last fall.

Included in the 16,048, according to L.H. Dunigan (Director, Institutional Research) are 144 university employees who are currently registered as part-time students under The California State University and Colleges system's fee waiver program.

Dunigan reported that the 16,048 exceeds the university's enrollment total target for the Fall Quarter by several hundred students, due primarily to a larger than estimated number of continuing students. He explained that the university has no control over the large numbers of students who choose to continue their studies at Cal Poly from one quarter to another.

Presently included in the university's student body are 12,503 continuing students and 3,545 new graduates and undergraduates. An additional 5,500 qualified applicants for Fall Quarter admission to the university were refused and were redirected to other colleges and universities or to other educational alternatives.

Open hours with President Baker

President Warren J. Baker will continue his practice of holding open office hours for any faculty member, student, or staff member who would like to come to talk with him. For the rest of this quarter these open hours are:

Friday, (Nov. 14) - 2:30 pm to 4 pm
Friday, (Nov. 21) - 1 pm to 2:30 pm
Friday, (Dec. 5) - 1:30 pm to 3 pm

During the Winter Quarter, office hours will be on Fridays from 1:30 pm to 3 pm when President Baker does not have to be away from the campus. To avoid having to wait, please call Grace Arvidson at Ext. 2111 to arrange an appropriate time. When possible, the President would like to spend at least fifteen minutes with each person, and longer if time permits.

Also reported by Dunigan is a full-time equivalent enrollment for the Fall Quarter of 14,825.

Dunigan said Cal Poly has been at a planned enrollment plateau of 14,200 average annual FTE since 75-76, largely because of a shortage of instructional facilities, and that budgeted FTE is expected to remain at that level at least until the mid-80's.

Responding to an often-asked question regarding control of the size of the university's enrollment to precise numbers, Dunigan explained that the task is made very difficult by the uncertainties of the proportion of continuing students who will enroll for a given quarter. Also contributing to the complexity of such controls are the additional uncertainties regarding how many of those who apply for admission are granted space reservations, how many will be accepted, and how many will actually enroll.

Dunigan said that when enrollment projections for the following year are prepared, adjustments based on the most recent year's experience are made in the estimates of new students to be accepted in order to come as close as possible to the 14,200 budgeted FTE. The eventual official enrollment ceiling for Cal Poly is 15,000 FTE for the academic year.



Open to all

The Mustang Boosters are planning another barbecue just prior to this Saturday night's football game between the Cal Poly Mustangs and the Boise State Broncos. The event, held prior to all home football games, will take place at Poly Grove starting at 5:30 pm.

Everyone is welcome to attend. The cost is \$5 per person. For reservations or information, call 544-8990.

Following every home game, an after game party is held at the Hob-Nob Restaurant at the top of the hill near U.S. 101 and Los Osos Valley Rd. Hors d'oeuvres are furnished at the "no-host" event which is open to the public.

CSUC admissions information

The California State University and Colleges' 1981 fall term admission season opened Nov. 1, and it is urgent for some prospective students to apply early. Most of the 19 CSUC campuses will be accepting applications for several months, but a few specific programs are expected to fill quickly and will not accept applications after Nov. 30.

Cal Poly, San Luis Obispo retains its designation as an "impacted" campus because it is again expected to fill most of its programs next fall. Therefore, applicants to that campus are required to apply during November to be assured of full consideration.

In addition to San Luis Obispo, certain individual undergraduate programs are impacted at other campuses and cannot accept fall 1981 applications beyond Nov. 30. These are:

Architecture - Pomona and San Luis Obispo.

Architectural Engineering - San Luis Obispo.

Construction - San Luis Obispo.

Graphic Communications - San Luis Obispo.

Graphic Design/Applied Art and Design - Long Beach, San Jose, San Luis Obispo.

Interior Design - San Jose.

Landscape Architecture - Pomona and San Luis Obispo.

Medical Technology - Bakersfield and Dominguez Hills.

Nursing (basic/generic) - Bakersfield, Chico, Fresno, Hayward, Humboldt, Long Beach, Los Angeles, Sacramento, San Diego and San Francisco.

Nursing (R.N.) - Hayward, Long Beach and Sonoma.

Physical Therapy - Fresno, Long Beach and Northridge.

Telecommunications and Film - San Diego.

First-time freshmen and lower-division transfer applicants to San Luis Obispo and impacted programs at other campuses should plan to take required standardized admission tests at the earliest possible date. Advice regarding the supplementary admission criteria used in screening applicants to impacted programs and campuses will be sent upon receipt of an application for an impacted program or campus.

Charles Lindahl, Statewide Coordinator of Admission Services, emphasized that most other applicants will receive prompt notification from their first choice campus that space has been reserved for them for the fall term 1981. This notification, he said, will include a request for necessary records and will ensure admission if the applicant meets the basic university admission requirements.

A single non-refundable application fee of \$25 ensures applicants of consideration at an alternative CSUC campus for the same term if they wish to change their choice of campus. Next fall's prospective student should send an application to the first choice CSUC campus. An alternative choice campus and major may be listed on the same application.

Application booklets are available at Admissions Offices on all campuses of The California State University and Colleges, as well as at California high schools and community colleges, and include information about the availability of financial aid in addition to admission information.

Assignment of A V equipment

Faculty members are asked not to move, or allow students to move, overhead projectors from their assigned general purpose classrooms, according to Marcus Gold (Associate Director, Audiovisual).

Gold explained that there is an overhead projector assigned to each classroom. Faculty depend on their being in the rooms and have planned their lessons around the use of the overheads. When they are moved it creates an impossible situation for faculty and students. It also means a loss of instructional time that is impossible to make up.

Audiovisual will deliver an overhead when it is requested by 5 pm the class day before. Faculty, and students with authorization, may always check out equipment from the Audiovisual Services Office, BA&E-9, from 7:30 am to 9 pm Monday through Thursday, 7:30 am to 5 pm on Friday, and 8 am through noon on Saturday.

Books at High Noon

Frederick E. Wolf (Coordinator of Special Programs) will speak on Stephen King's novels at 12 noon on Tuesday (Nov. 18) in the Staff Dining Room. He will be discussing *'Salem's Lot*, *Carrie*, *The Shining*, *The Stand*, *The Dead Zone*, and *Firestarter* as they relate to each other, as they represent current interest in mysticism and the occult, and as an extraordinary publishing series.

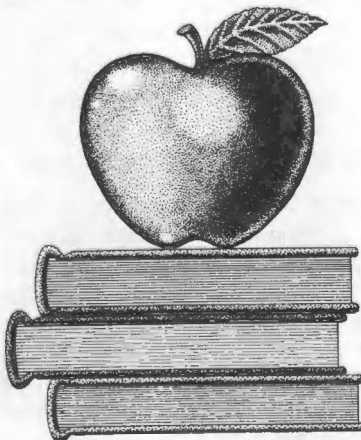
Wolf considers King not a traditional novelist of the occult, but rather a fantasy writer who is able to create strong impressions with his characters, change one aspect of their lives, and follow that unusual aspect through to its logical conclusion. The books are also interesting for their locales, which are well known to the author.

Wolf brings a varied background to his presentation. He has studied and worked in chemistry, theater, business, and translation, and has lived in Italy, France, Ethiopia, and other countries for extended periods as well as the United States. The public is invited to the Books at High Noon program, which is sponsored by the Cal Poly Library.

Intramurals note

Campus Intramurals is offering a continuing program of faculty-staff volleyball games every Thursday night in the Main Gym from 7:30 pm to 9 pm. There is no charge, and all faculty-staff are invited to play.

Intramurals also offers a free jazz exercise class for faculty-staff on Fridays from noon to 1 pm. For further information, call Denny Byrne in the Intramurals Office, Ext. 2040.



Architecture student wins top prize

John A. Spotorno, a senior architecture major at Cal Poly has been named the nation's top undergraduate architecture student and will receive the \$6,000 Paris Prize for overseas travel and study. The prize is awarded annually by the National Institute for Architectural Education.

Spotorno was selected by a jury of 25 architecture professionals who studied design presentations entered by 55 students from 22 colleges and universities across the nation. Also known as the Lloyd Warren Fellowship, the Paris Prize has long been the most prestigious competition of its kind, according to Raymond H. Yeh, (Head, Architecture).

System of Interactive Guidance and Information [SIGI]

Do people know what they want to be during their working life or when they retire? SIGI is a system of interactive guidance and information which helps people make informed and rational career decisions. The SIGI user sits at a computer terminal and the SIGI program asks the user questions. These help the individual identify and explore options, gain and interpret relevant information, learn strategies for decision-making, and formulate plans of action. The SIGI program uses the career seeker's own answers to formulate and individualize the questions which it asks as the program proceeds. The Career Development Center has two terminals for SIGI and two others are located in the Sierra Madre satel-

lite center. It is open to architecture students who are in their final year of study. The winner must pursue an approved program of overseas travel or study and must periodically report on their experiences, either graphically or in writing.

Entrants were given six weeks to provide an original design for a convention center to be located in the midtown Manhattan area of New York City. Theoretically the largest building of its kind in the U.S., the project would be located on the site of the former Penn Central Railway freight yard.

Although SIGI is designed for students, faculty who have attended orientation sessions have said that they found it helped them clarify their own career goals. They also said that using SIGI is enjoyable. Faculty and staff are invited to try SIGI for themselves. The Career Development Center staff is sure they will then want to recommend it to their students.

The system is particularly useful for students who have difficulty formulating questions about careers, have only vague goals, know little about career options, and have difficulty with systematically planning their futures. For questions, call the Career Development Center, Ext. 2511.

Internships available

The Western Interstate Commission for Higher Education is seeking student interns for programs in economic development and multicultural education. Students will be paid \$125 to \$175 per week. Faculty who know of qualified students interested in such programs, are asked to have them contact Linda Atwood (Associate Dean, Academic Planning), Ext. 2051, Adm. 308, for more information and application forms. There is no deadline, but early application is suggested by WICHE.

Faculty development

"Planning Is Never Having to Say You're Sorry" is the title given to a faculty development workshop to be presented by Dr. Don Maas (Education) at 11 am on Tuesday (Nov. 18) in Ag. Engr. 123. The one-hour workshop will be the first in a series of professional development programs sponsored by the School of Agriculture and Natural Resources. All members of the university faculty are invited to attend.

Urban Design lecture Nov. 18

Urban design will be the subject when Swiss-born architect Jurg Lang presents a campus lecture on Tuesday (Nov. 18).

Presently a resident of Pacific Palisades who practices in Los Angeles, Lang's Distinguished Architects Lecture Series appearance is scheduled for 8 pm in the Gallery (Room 105) of the Architecture and Environmental Design Building.

Admission will be free. Students, faculty, and anyone interested in architecture or urban design are invited to attend.

Lang holds certificates and diplomas earned at the Athens (Greece) School of Ekistics, the Swiss Federal Institute of Technology, and District College in Frauenfeld, Switzerland, and has practiced extensively in Switzerland, Greece, and Denmark, as well as in the U.S.

He recently has been involved in residential design in private practice and in preparation of an East Core Area plan for the City of Redlands as a member of the Urban Innovations Group, Los Angeles.

Lang's lecture at Cal Poly will be the last for the fall portion of the Distinguished Architects Lecture Series, which is sponsored by the university's Architecture Department.



Sale reminder . . .

This is a reminder that there will be a sale of all unclaimed lost & found articles and all Surplus Property articles on Tuesday (Nov. 18) between 8:30 am and 3 pm in the University Warehouse, Building #70. There will be clothing, books, jewelry, calculators, typewriters, duplicators, electrical and electronic equipment, drafting machines, cameras, musical instruments, and various miscellaneous items available.

New general education requirements

CSUC Chancellor Glenn S. Dumke has implemented a major restructuring of general education-breadth requirements for students entering The California State University and Colleges. The requirements, adopted by the Board of Trustees in May, will reshape the educational programs of more students than any single reform effort instituted anywhere in higher education.

Among the changes will be a 20 percent increase in minimum requirements, or from 40 to 48 semester units of general education courses required for students to earn bachelor's degrees. For the first time, the country's largest system of senior higher education institutions has, as a result of the requirements, a unified statement of purpose for general education on the 19 campuses.

CSUC graduates, according to these objectives:

- "...will have achieved the ability to think clearly and logically, to find and critically examine information, to communicate orally and in writing, and to perform quantitative functions;
- "...will have acquired appreciable knowledge about their own bodies and minds, about how human society has developed and how it now functions, about the physical world in which they live, about the other forms of life with which they share that world, and about the cultural endeavors and legacies of their civilization, (and);
- "...will have come to an understanding and appreciation of the principles, methodologies, value systems, and thought processes employed in human inquiries."

Chancellor Dumke implemented the new requirements by signing Executive Order 338 at a brief ceremony at which Alex C. Sherriffs (Vice Chancellor for Academic Affairs), Robert Kully (Chair of the CSUC Academic Senate) and Carl Wagoner (Member, Academic Senate Executive Committee) were present.

Many of the campuses in recent months, aware of the pending changes, have acted to bring their re-

quirements into harmony with the Trustees' action. The changes will apply to students enrolling in fall 1981 and subsequent terms who have not previously been enrolled continuously at a campus of the CSUC or the California Community Colleges.

Currently enrolled students will be permitted to complete their degree requirements under regulations which have been in effect previously on the individual campuses.

The new requirements emphasize cohesive general education-breadth programs rather than "cafeteria-style" offerings of courses. Additionally, among the 48 semester units now required, at least nine units must be taken while a student is a junior or senior. Previously it has been possible for students to complete G.E. requirements as freshmen and sophomores.

Although the general education changes are considerable, majors in professional programs are not expected to be substantially affected. The General Education-Breadth requirements include:

- A minimum of nine semester units in communication in the English language, to include both oral communication and written communication, and in critical thinking, to include consideration of common fallacies in reasoning.
- A minimum of 12 semester units to include inquiry into the physical universe and its life forms, with some immediate participation in laboratory activity, and into mathematical concepts and quantitative reasoning and their applications.
- A minimum of 12 semester units among the arts, literature, philosophy, and foreign languages.
- A minimum of 12 semester units dealing with human social, political and economic institutions and behavior and their historical background.
- A minimum of three semester units in study designed to equip human beings for life-long understanding and development of themselves as integrated physiological and psychological entities.

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.

Clerical Assistant II-A, \$946-\$1130/month, Admissions Office. Duties include working in the University Admissions Office, processing applications and transcripts for admission of students. Requirements: Equivalent to one year's clerical experience, type 45 wpm and must have taken the General Clerical Test. Closing date: 11/28/80.

Building Maintenance Worker, \$1385-\$1518/month, Plant Operations. This position requires that the employee be responsible for a wide variety of semi-skilled maintenance tasks. Cleans, maintains and repairs building fixtures and equipment. Must have good experience in roof repairs, i.e. wood, composition, asphalt builtup roof type. Assist as a helper to a skilled craftsman trade class. Operate automotive equipment and haul materials. Requirements: Two years' progressively responsible experience in building maintenance and repair. Closing date: 11/28/80.

Irrigation Specialist, \$1253-\$1504/month, Plant Operations. Repairs broken sprinkler heads, valves and related equipment; inspects, services, maintains and repairs automatic and manual sprinkler control devices. Establishes and maintains sprinkler system preventative maintenance programs. Requirements: Two years' experience in maintenance of landscaped areas/grounds, one year of which involved the repair and maintenance of irrigation systems. Closing date: 11/28/80.



FACULTY VACANCIES

Candidates for positions on the faculty of the University are presently being sought, according to Donald L. Shelton (Director of Personnel Relations). Those interested in learning more about the positions are invited to contact the appropriate dean or department head. This University is subject to all laws governing Affirmative Action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendments Act and the Rehabilitation Act of 1973. All interested persons are encouraged to apply.

Department Head, \$26,004-\$39,732/year, Graphic Communications Department, School of Communicative Arts and Humanities. Department duties include general department administration, coordination of ten teaching faculty and four staff, administering budget allocations, evaluating curriculum, and part-time teaching. Department Head appointed for an indefinite term. Tenure can be accorded as a faculty member. This is a 12-month position with 24 working days vacation. Position available September 1, 1981. Closing date: 12/31/80.

Department Head, \$32,892-\$39,732/12-month year, Electronic and Electrical Engineering (EL/EE), School of Engineering and Technology. Position begins September 1, 1981. Duties and responsibilities include leading 24 full-time faculty members in offering two accredited career-oriented programs to more than 800 undergraduate students. Qualifications: Earned doctorate in related discipline, a knowledge of current advances in EL/EE, significant full-time University teaching, and significant relevant industrial experience. Duties include 25 percent teaching and 75 percent administrative assignment. Closing date: 2/15/81.

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

Assistant Professor/Associate Professor, \$17,964-\$27,252/academic year; salary commensurate with qualifications, Department of City and Regional Planning, School of Architecture and Environmental Design. Minimum Master's degree in CRP; preference for candidates with Ph.D. Duties and responsibilities: teaching, research and public service, with teaching emphasis in economic development planning, local government finance, urban economics, planning theory. Tenure track position beginning September 14, 1981. Closing date: 2/16/81.

Assistant/Associate Professor, \$21,600-\$27,252/year, dependent upon qualifications and experience, Industrial Technology Department, School of Engineering and Technology. Position available for the 1981-82 academic year. Duties and responsibilities include teaching in the following subject areas in the Industrial Technology Baccalaureate program: plant facilities, electrical and mechanical equipment selection, plant maintenance management, cost reduction and control, packaging and material handling. A baccalaureate degree in a related field is required, a graduate degree in a related field is preferred. Also required are a minimum of five years of industrial experience at professional manager or responsible engineer level. Tenure track position. Closing date: 3/2/81.

Assistant/Associate Professor, \$21,600-\$27,252/year, dependent upon qualifications and experience, Industrial Technology Department, School of Engineering and Technology. Position available for the 1981-82 academic year. Duties and responsibilities include teaching in the following subject areas in the Industrial Technology and Industrial Arts baccalaureate programs: electronics, power technology and other industrial subjects. A baccalaureate degree is required, a graduate degree preferred, in engineering, technology or industrial education. Tenure track position. Closing date: 3/2/81.

Assistant/Associate Professor, \$17,964-\$27,252/academic year, dependent upon qualifications and experience, Architectural Engineering Department, School of Architecture and Environmental Design. Department anticipates openings for full-time tenure track positions beginning September 1981. Ph.D. preferred, but M.S. with extensive professional or academic experience given serious consideration. All areas of structural analysis and design and/or soil mechanics and foundations with special consideration given to applicants with emphasis in computer applications or experimental mechanics. Closing date: 2/15/81.

Assistant Professor, \$17,964-\$21,600/year, salary dependent upon qualifications and experience, Economics Department, School of Business. Anticipated opening for academic year 1981-82. We are interested in good undergraduate instruction, primarily in introductory courses, together with an active research interest in one or more of these fields: labor economics, economic history, and/or natural resource economics. Ph.D. required. Closing date: 2/28/81.

Assistant Professor, \$17,964-\$21,600/year, dependent upon qualifications and experience, Natural Resources Management Department, School of Agriculture and Natural Resources. Tenure track position on a 9-month academic year appointment to teach courses in outdoor recreation planning, environmental interpretation, and additional parks and recreation classes. The position will have other related duties, such as student advisement. Doctorate in parks and recreation or related field with emphasis in outdoor recreation. Position available September 1981. Closing date: 2/2/81.

Lecturer, \$17,964-\$21,600/year, for full-time appointment depending upon qualifications and experience, Economics Department, School of Business. Anticipated opening for 1981-82 academic year. We are interested in good undergraduate instruction, primarily in introductory courses. Ph.D. preferred, with specialization in one or more of these fields: labor economics, economic history, and/or natural resource economics. Closing date: 2/28/81.

Lecturer, \$2,380/month for balance of academic year, Veterinary Science Department, School of Agriculture and Natural Resources. Winter and Spring 1981. 75% teaching duty to consist of teaching basic veterinary science courses as required in the Animal and Dairy Science curriculums, 25% clinic duty to consist of providing veterinary service to the equines and food animal species of the University-owned herds and flocks. Closing date: 12/5/80.

Lecturer, \$17,964-\$21,600/year, dependent upon qualifications and experience, Physics Department, School of Science and Mathematics. Position available for the 1981-82 academic year. Duties include teaching undergraduate lecture and laboratory classes in physics and physical science. Ph.D. in physics and evidence of experience and effectiveness as a teacher are required. Closing date: 1/30/81.

(Continued)

FACULTY VACANCIES (Continued)

Lecturer(s), \$17,964-\$27,252/academic year; salary commensurate with education and experience, Landscape Architecture, School of Architecture and Environmental Design. Full-time leave replacement beginning September 14, 1981, anticipated for the 1981-82 academic year. Professional degree in Landscape Architecture required with professional and/or teaching experience. Duties and responsibilities: teaching (or team teaching) undergraduate design/construction studies and other courses in related areas of interest. Closing date: 2/16/81.

Lecturer, \$17,964-\$27,252/academic year; salary commensurate with background and experience, Landscape Architecture Department, School of Architecture and Environmental Design. Full-time terminal position, 1981-82 academic year beginning September 14, 1981. Minimum degree requirement is a Master's degree. Must have at least one degree in Landscape Architecture. Preference for prior teaching or professional experience. Duties and responsibilities: teaching undergraduate design/construction studios and other courses of related interest, with preference for demonstrated experience in following areas: 1) computer application, 2) natural systems, 3) behavioral sciences. Closing date: 2/16/81.

CORRECTION

Lecturer, \$299-\$575/month; part time, Agricultural Management Department, School of Agriculture and Natural Resources. Duties: Teaching Senior Seminar, Senior Projects and Farm Records Lab. A master's degree in Agricultural Economics or Business Administration is required and experience in teaching in Agricultural Management is most desired. Position for Winter and Spring Quarters 1981 only. Closing date: 11/20/80.



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

Dick Anderson, Stu Chestnut, Dwayne Head, Bill Hicks, and Jim Ralley, Physical Education, participated in the Western College Men's Physical Education Society Conference in Reno on Oct. 23-24. Presentations related to the recently proposed certificate programs in dance and public/private fitness by the Cal Poly conferees.

Lynn M. Jamieson, Physical Education, successfully defended her doctoral dissertation at Indiana University in early October. The results of the dissertation, titled "A Competency Analysis of Recreational Sports Personnel in Selected Institutional Settings," were presented by Dr. Jamieson at a Professional Development Workshop sponsored by the National Intramural-Recreational Sports Association in Indianapolis on Oct. 9-10.

Max T. Wills, Chemistry, on leave at the University of Washington, Seattle, gave a talk on "The Reaction of n-Butyl-lithium with an Azetidinium Salt" Oct. 24 to the Department of Chemistry at that institution.

David Walch, Library, with a panel of new library directors, participated in a program titled "Cooperative Collection Development: What We Can Do For You; What You Can Do For Us." The program was sponsored by the California Academic and Research Librarians and the Collection Development Chapter of CLA, and was held in Long Beach on Oct. 24.

Donald A. Grinde, History, and Robert L. Hoover, Social Sciences, participated in the annual meeting of the American Society for Ethnohistory in San Francisco, Oct. 23-25. Hoover's paper was titled "Acculturation at Mission San Antonio," and Grinde's paper was titled "The Navajo New Deal: Government Policy Versus Navajo Ecology in the Stock Reduction Program."

Virginia Bates Johnson, Health Center, has had an article published in the October issue of *American Pharmacy*, the journal of the American Pharmaceutical Association. The article is titled "Drug Product Selection Through the Decades."

Daniel Small, M.D., Health Center, board certified in internal medicine, has been notified that he has recently passed the special tests and is now certified in the subspecialty of rheumatology.

Herschel L. Apfelberg, Graphic Communications, has been elected to the Board of Directors of the Western Packaging Association.

Edward J. Clerkin, Electronic and Electrical Engineering, spent the summer doing High Frequency Active Filter Research in the Electronic Design Branch of EG&G Idaho Inc. at the Idaho National Engineering Laboratory.

Lynn M. Jamieson, Thomas J. Lee, Robert E. Meyers Jr., and Carolyn B. Shank, Physical Education, attended the recent National Recreation and Park Association Conference in Phoenix, Arizona. Sessions featured a keynote address by Senator Morris K. Udall and a variety of sessions in areas such as commercial recreation, outdoor recreation, therapeutic recreation, leisure counseling, and travel and tourism. The theme of the congress was "Life: Be In It."

Stan J. Dundon, Philosophy, gave the keynote talk on "An Overview of World Hunger" at the Political Action Session of the World Hunger Seminar at the Hillcrest Baptist Church, Washington, D.C., on Oct. 28.

Laurence Houlgate, Philosophy, was a guest on the KSBY-TV interview program, "Viewpoint." The program was aired on Saturday and Sunday, Nov. 8-9. The topic was "Children's Rights."

Shirlene Soto, History, attended the Twenty-Sixth Annual Meeting of the Pacific Coast Council on Latin American Studies at Laguna Beach, Oct. 10-13.

New "how-to" series

Women's Programming and Panhellenic will present "Holiday Festival," the first event in the newly created "How-To" series. A workshop on Christmas decorations and gift ideas will be held, including demonstrations of how to make padded fabric picture frames, wreaths, calico Christmas ornaments, decoupage candlestick holders, gift wrapping ideas and much more.

Attendees may purchase inexpensive supplies and actually make the craft items there; instruction will be provided. Santa Claus will be there too. Come when you can. The program begins on Wednesday (Nov. 19) at 11 am in University Union 204 and ends at 3 pm. Everyone is invited.

encouraging notes

November 13, 1980

- * CARE Grant Guidelines & Application Forms. Updated guidelines and application forms are now available for the University-sponsored Creative Activity Research Effort (CARE) grant program. Deadline for completed proposals is Friday, January 16, 1981. Call the Research Development Office for an application package.
- * ASSOCIATED WESTERN UNIVERSITIES. The Associated Western Universities (AWU) coordinates programs for faculty and student participation in the research activities at Department of Energy laboratories, both government and private. The program offers a ready opportunity for faculty and student access to excellent research facilities at 24 laboratories.

The objectives of AWU, among others, are: (1) to assist in assuring adequate manpower for working on and solving the nation's energy problems; (2) to strengthen and augment the educational institutions' capabilities in the fields of energy production and related areas including environmental control and conservation; (3) to infuse the cooperating laboratories and centers with university-generated ideas and theoretical expertise; and (4) to develop within academe a better understanding of energy-environmental tradeoffs.

AWU programs include: the Laboratory Graduate Participant Program; the Thesis Parts Participant Program; the Student Participation Program; and the Faculty Participant Program. Detailed information is available in the Research Development Office. Faculty participants typically spend a summer working in an AWU lab. Applications for such appointments should be at AWU by January or early February.

The current laboratories involved are:

Atomics International/Canoga Park, CA
Bartlesville Energy Research Center/Bartlesville, OK
Crocker Nuclear Laboratory/Davis, CA
EG&G Accelerator Center/Santa Barbara, CA
General Atomic Company/San Diego, CA
Grant Forks Energy Research Center/Grand Forks, ND
Idaho National Engineering Laboratory/Idaho Falls, ID
Inhalation Toxicology Research Institute/Albuquerque, NM
Jet Propulsion Laboratory/Pasadena, CA
Laboratory of Nuclear Medicine and Radiation Biology/Los Angeles, CA
Laramie Energy Research Center/Laramie, WY
Lawrence Berkeley Laboratory/Berkeley, CA
Lawrence Donner Laboratory/Berkeley, CA
Lawrence Livermore Laboratory/Livermore, CA
Los Alamos Scientific Laboratory/Los Alamos, NM
Nevada Test Site/Mercury, NV
Radiobiology Laboratory/Davis, CA
Richland Laboratories/Richland, WA
Sandia Laboratories/Albuquerque, NM
Sandia Laboratories/Livermore, CA
Solar Energy Research Institute/Golden, CO
Stanford Linear Accelerator Center/Stanford, CA
U.S. Geological Survey/Menlo Park, CA
U.S. Army/White Sands Missile Range, NM

(continued on reverse)

- * Guidelines and/or Application Forms Available in the Research Development Office.
- ** Information Requested/Available Soon
- *** Contact Agency Directly.



RESEARCH DEVELOPMENT • ADMINISTRATION 317 • TELEPHONE 546-2982

Dean William Langworthy (School of Science and Mathematics) recently represented the University at the fall Education and Research Committee meeting of the Associated Western Universities, Inc. The meeting included extensive tours of Lawrence Livermore Laboratory and the Sandia Laboratories-Livermore. Both facilities welcome faculty summer participants, and accommodations occasionally can be made for longer visits. Both graduate and undergraduate students also can be accommodated. Those interested in the two Livermore facilities should make applications promptly because both also conduct classified work which requires security clearances for successful applicants.

Langworthy reports that both institutes are doing exciting energy-related research work, including investigations into solar collectors and combustion (Sandia) and nuclear waste disposal, shale oil recovery, laser fusion, and magnetic fusion (Lawrence).

Faculty interested in these two facilities specifically are invited to direct any questions to Langworthy. Applications for all AWU programs are available in the Research Development Office, as well as annual reports describing research activity being conducted at each of the 24 laboratories.

- * EDUCATION DEPARTMENT. The Department of Education has issued its calendar of postmark deadlines for new applications for FY 1981 funding. The deadlines and programs, beginning with December closing dates, are:

| <u>Postmark Deadline</u> | <u>Program</u> |
|--------------------------|--|
| December 16 | Media Research, Production, Distribution, and Training Program |
| December 22 | Ethnic Heritage Studies Program |
| December 22 | Bilingual Vocational Training Program and Bilingual Vocational Instructor Training Program |
| January 6 | <u>Preapplications</u> - Fund for the Improvement of Postsecondary Education |
| January 12 | Bilingual Education |
| January 20 | Fund for the Improvement of Postsecondary Education - Unemployed Youth: A Postsecondary Response |
| January 27 | Program of Research Grants on Teaching and Learning |
| January 30 | Regional Education Programs for Deaf and Other Handicapped Persons |
| January 30 | Biomedical Sciences Program |
| February 2 | Consumers' Education Program |
| February 17 | Gifted and Talented Children's Education |
| February 27 | Arts Education |
| March 2 | Handicapped Children's Early Education Outreach |
| March 17 | Handicapped Student Research: Second Cycle |

- ** DEPARTMENT OF HEALTH AND HUMAN SERVICES - SMALL GRANTS. Small grants requesting early summer starting dates should be received at National Institute of Mental Health by DECEMBER 1, 1980. Applications with July and August starting dates must be received no later than FEBRUARY 1. Small grants at Alcohol, Drug Abuse and Mental Health Administration (ADAMHA) provides support of up to \$10,000 in direct costs for up to one year, primarily for newer investigators or those at colleges without substantial grant support, for exploratory or pilot studies, or to analyze data previously collected. An estimated \$2 million is budgeted by the three ADAMHA Institutes for the support of small grants.

- *** NATIONAL RESEARCH COUNCIL - RESEARCH ASSOCIATESHIP PROGRAMS FOR 1981. Approximately 250 new awards will be made on a competitive basis to recent recipients of the doctorate and, in most programs, to senior investigators as well. Most programs are open to non-U.S. nationals as well as to U.S. citizens. Stipends will be individually determined and will begin at \$20,500 a year. Grants will be provided for family relocation and for limited professional travel during tenure. These programs provide opportunities for research in many fields: Atmospheric and Earth Sciences, Life Sciences, Chemistry, Mathematics, Engineering, Physics, Environmental Sciences, and Space Sciences. POSTMARK DEADLINE FOR APPLICATIONS IS JANUARY 15, 1981. Prospective applicants may request information and application forms from the Associateships Office, JH 610-P, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418, telephone 202/389-6554.