

# CAL POLY REPORT

California Polytechnic State University  
San Luis Obispo, California 93407

May 1, 1980

Volume 31, Number 34

## Alumni weekend in Los Angeles

The Cal Poly Alumni Association San Luis Obispo County Chapter announces Cal Poly Alumni night at Dodger Stadium on Saturday (May 17) and a private tour of the Norton Simon Art Museum in Pasadena on Sunday (May 18). The L.A. Dodgers will host the Pittsburgh Pirates for a 7 pm game. The cost is \$54 per person and includes round-trip transportation, motel room (double occupancy), ticket to the Dodger game and the private tour of the museum.

The chartered bus will pick up alumni, faculty, staff, and friends of the university in front of Vista Grande Restaurant Saturday (May 17) at 12 noon, driving to the motel for check-in and a chance to freshen up before continuing to Dodger Stadium. Sunday the bus will travel to the Norton Simon Art Museum for the private tour at 10 am and return to San Luis Obispo at approximately 4 pm. Bus space is limited, therefore please make reservations by May. 1. For further information, contact Steve Riddell (Coordinator, Alumni Services) in Adm. 210, or call Ext. 1261.



## TALBOTT NAMED TO HEAD I.T. STATE

Appointment of Laurence F. Talbott as permanent head of the Industrial Technology Department has been announced by President Warren J. Baker. Dr. Talbott, a faculty member since 1966 and acting head of the Industrial Technology Department since last fall, assumed the new title immediately, according to the announcement.

Robert G. Valpey (Dean, Engineering and Technology, which includes the Industrial Technology Department), joined Hazel J. Jones (Vice President for Academic Affairs) and a faculty committee in recommending the appointment. Dr. Talbott, succeeds Mac McRobbie who retired last June after having been head of the department since 1962.

A specialist in plant engineering education, the new department head is a graduate of San Diego State University, University of Southern California, Utah State University, and Cal Poly. He earned his doctor's degree in industrial and technical education and manufacturing engineering at Utah State in 1972. Dr. Talbott also spent 14 years as manager of test quality control, project engineer, and plant engineer with the Rocketdyne Division of North American Aviation Inc.

A registered professional engineer in both quality and industrial engineering, he has been actively involved



*Laurence F. Talbott*

in the California and National Associations of Industrial Technology, American Society of Quality Control, American Institute of Plant Engineers, Engineers Council for Professional Development, and National Association of Private Non-Traditional Schools and Colleges. The new department head presently is international vice president of AIPE, and over the past five years has been president of CAIT and a member of accreditation visit teams representing both ECPD and NAPNSC.

## Two years service credit available

Legislation has recently passed that could be of significant importance to employees who are eligible for retirement. The Governor has issued a proclamation which was implemented by the CSUC Board of Trustees to make operative Chapter 656, Statutes of 1979 (AB 876-Hughes) which provides up to two years additional service retirement credit to CSUC employees who retire between March 28 and June 29, 1980.

To receive this additional service credit, an individual must currently be an employee of the CSUC Trustees; have attained age 50; have five years of more PERS service credit and retire with an effective date of retirement between March 28 and June 29, 1980.

Employees who have attained age 63 and are less than 68 accrue maximum benefit under this program since they have entitlement to retirement at the maximum factor and also receive a full two-year service credit. This legislation expires June 30 and there is no indication that benefits will be extended to those with an effective date of retirement after June 29.

Additional information prepared by PERS further explains this retirement provision. To receive this additional information or for any questions about this short-term retirement provision, please contact Robert M. Negranti or Barbara Melvin (Personnel Office) at Ext. 2236.



## Library associates book sale

All faculty, staff, and students are invited to the first annual book sale of the Cal Poly Library Associates. The sale will be held on Saturday (May 3) from 10 am to 3 pm, in the patio area in front of the library building. A wide variety of books and magazines will be available at bargain prices.

## FFA blue on campus again

A "Galaxy of Opportunity" is the theme for this year's 52nd annual convention of the California Association of Future Farmers which will be held on the Cal Poly campus Saturday through Tuesday (May 3-6). Scheduled to address the nearly 1,000 high school FFA delegates are California House Minority Leader Carol Hallett (R-Atascadero); Warren J. Baker, Cal Poly president; Bobby Tucker, former national FFA president; and Phil Benson, national FFA secretary and former California FFA president.

The convention opens at 3 pm on Saturday with opening remarks by FFA President Harmon Kaslow of Santa Ynez and a welcome on behalf of Cal Poly by President Baker. Also scheduled for the opening session are the presentation of state contest and proficiency awards, the State Farmer Degree ceremony and recognition of the sectional and Star State farmer recipients.

On Sunday (May 4) "State Farmer Day," the State Farmer Degree recipients will be honored with a barbecue at 11:30 am at Poly Grove. State farmers, their parents and school administrators are invited to attend. Also scheduled for Sunday at the opening session, which begins at 8 am is the keynote address by Tucker, the former national FFA president and student body president at Texas A&M University.

The annual convention banquet will be held Sunday at 7 pm in Chumash Auditorium. Regional Star Advisors and Honorary State Farmers will be recognized. Election of the new state FFA officers will take place at the Monday (May 5) afternoon session of the convention. Installation of the new officers will be held on Tuesday as the last order of business before the convention adjourns at noon.

**Cal Poly Report - May 1, 1980**

## Student development workshop

All faculty, staff, and administration have received announcements about the workshop on student development, presented by the Campus Consultation Services of the Counseling Center, to be held on Wednesday (May 14) from 8:30 am to 4:30 pm in University Union 220.

Student development is a topic of great interest and concern particularly with so many changes occurring in the education system, the economic system, and in what have been considered traditional roles. These changes impact the entire University community—students, staff, faculty and administration.

The deadline for enrollment is Wednesday (May 7) but due to limited seating, people are encouraged to sign up as soon as possible.

## Nothing to worship?

"What Is There Left To Worship? — The Experience of Nothingness" will be the title of the third talk in a mini-series on worship being presented as part of the 1979-80 Arts and Humanities Series. Kendrick W. Walker's (Head, Philosophy) lecture on that topic will begin at 11 am on Thursday (May 1) in University Union 220. Admission will be free and the public is invited to join members of the campus community in attending.

Dr. Walker points out that when one seeks an object of worship it is not uncommon to find oneself experiencing "nothingness" in a sense of alienation, emptiness, or disillusionment. He expects to examine that theme, which is common to historical and contemporary authors such as Shakespeare, Nietzsche, Camus, Sartre, and Novak, in his campus lecture.

Dr. Walker, who holds three degrees earned at University of Southern California, is a former professional baseball player. He has taught philosophy at Cal Poly since 1973. The Arts and Humanities Series is presented by the School of Communicative Arts and Humanities in cooperation with the California Council for the Humanities, and the National Endowment for the Humanities. Theme of the 1979-80 series is "Work, Play, and Worship."

## Placement program planned

The Placement Center is providing another opportunity for students in education by sponsoring "Careers in Education" on Friday (May 9) whereby the students will be able to meet with personnel from several school districts. Some of the recruiters will be seeking teaching candidates for the upcoming year. The day will begin at 10 am and continue to 12 noon with an open forum in University Union 220. School districts will make themselves available to students for discussion of career paths, job trends, position openings and interview scheduling.

From 1:30 pm to 4:45 pm, interviewing will take place for those qualified students who have made mutual arrangements with the school districts that day. For more information please contact the Placement Center, Adm. 213, Ext. 2501 and ask for Carolyn Proctor or Marguerite Gingrich.



## Books at High Noon

Joan Cirone, a Nurse Practitioner at the Cal Poly Health Center, will be the final speaker for this quarter's Books at High Noon series. On Tuesday (May 6) she will review *Fundamentals of Human Sexuality* by Herant A. Kat-chadourian and Donald T. Lunde.

Cirone has been at the Health Center since 1971 when she studied for her RN at Cuesta College. From 1973 to 1974 she took additional training at UCLA and became a Nurse Practitioner. She now teaches and coordinates the Human Sexuality course at Cal Poly and also does mental health nursing at the Health Center.

Books at High Noon is sponsored by the Cal Poly Library. The programs are held at Noon in the Staff Dining Room. Staff, students, and the public are invited to attend. The series of speakers will resume in the Fall Quarter.



## Baker receives award, lectures

President Warren J. Baker has returned to campus after being honored by his alma mater and speaking during a session of the American Society of Civil Engineers' annual meeting. He was one of three persons who received 1980 Engineering Honor Awards during the annual Honor Award Ceremony of University of Notre Dame's College of Engineering on April 18 in South Bend, Ind. The other awards went to Clifford D. Marks, a vice president of McDonnell Douglas Astronautics Company, and Richard A. Van Auken, president of Van Auken and Bridges, an architecture firm located in Cleveland.

The citation recognized Dr. Baker's contributions to engineering education, administrative leadership while at University of Detroit, achievements as a consultant, participation in professional associations in the field of engineering, and continuing interest in engineering education at Notre Dame.

President Baker also delivered the keynote address for the ceremony. After being introduced by Notre Dame President, the Rev. Theodore M. Hesburgh, he spoke on "Technology, Public Policy and Risk."

Dr. Baker was one of three speakers for a department heads forum held during the annual meeting of the American Society of Civil Engineers, which took place in Portland, Ore., Apr. 14-16. Joining him on the program, which focused on problems and opportunities for civil engineering departments during the 1980's, were educators from University of Washington and Colorado State University.

## Sale reminder

This is a reminder that there will be a sale of all unclaimed lost and found articles and surplus property articles on Tuesday (May 6) between 8:30 am and 3 pm in the university warehouse, Building 70. There will be clothing, books, jewelry, calculators, typewriters, electronic equipment, an electric welder, photo equipment, a balance beam, TV sets, a couch, bicycles, and various miscellaneous items available.

## Alums sponsor melodrama

The Cal Poly Alumni Association is sponsoring an alumni night at the Great American Melodrama and Vaudeville Review in Oceano on May 9. The entire house has been bought out by the San Luis Chapter of the Cal Poly Alumni Association and all alumni, faculty, staff and friends are welcome to attend. Tickets are \$6 per person and part of the proceeds will go towards the CPAA Development Fund.

The presentation for alumni night will be "The 49ers" followed by an old-time vaudeville review. The show starts at 8 pm, with the doors open at 7:30 pm. Refreshments, plus hot dogs, potato salad, popcorn, and pretzels will be available. All reservations are on a first come, first served basis due to limited seating. For more information contact Steve Riddell at Alumni Services (Ext. 1261).



## FOUNDATION VACANCIES

The Foundation is accepting applications for the following open positions as announced by J.L. Fryer, Personnel Officer. Interested applicants may apply at the Foundation Personnel Office, University Union Building, Room 212, 546-1121. Cal Poly Foundation is subject to all laws governing Affirmative Action and equal employment opportunity including but not limited to Executive Order 11246 and Title IX of the Education Amendments Act and the Rehabilitation Act of 1973. All interested persons are encouraged to apply.

**Accounts Payable Clerk, \$843-\$1,007.** Assist in processing accounts payable and cash disbursements control; prepare vendor purchase orders; perform vendor and account analysis. Requires High School equivalent, additional business education preferred; minimum one year experience performing accounts payable or related business functions, type 45 wpm. Closing date: 5-8-80.

## 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.

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

**Lecturers, \$5,980-\$10,472/quarter;** full-time salary, to be adjusted depending upon salary level and assignment. Management Department, School of Business. Part-time positions available for Summer Quarter 1980. Positions may be available in the general areas of Industrial Relations, Management, and Management Information Systems. Individuals who feel they would be able to teach one or more courses offered by the Management Department should submit an application listing each course that they would want to be considered for. Master's degree in appropriate discipline required; Ph.D. preferred. Experience (private or public) in related field desired. Closing date: 5-9-80.

**Department Head, \$23,700-\$36,204/year;** 12-month appointment at Associate or Professor rank. Departments of Child Development and Home Economics, School of Human Development and Education. Position available July, 1980. Doctorate in Child Development, Home Economics, or appropriate field from an accredited college or university. Prior university experience preferred with demonstrated administrative ability. Closing date: 5-30-80.

**Cal Poly Report** copy intended for the next issue should be submitted to Betty Holland, Adm. 125, Ext. 2576, prior to 12 noon on Monday.

**Cal Poly Dateline** is compiled by the Public Affairs Office, Adm. 401, Ext. 2246, and is published on Mondays. Typewritten copy intended for the next issue should be submitted to Cathy Burt, Adm. 401, prior to 12 noon on Wednesday.

Publications Editor: Fred Wolf, Ext. 2158, Adm. 210.



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

**Virginia R. Walter, Ornamental Horticulture**, recently returned from Madison, Wisconsin, where the 39th Annual Inter-collegiate National Flower Judging Contest was held. The Cal Poly team, coached by Walter, placed 11th out of the 24 teams participating. The contest is sponsored jointly by the Society of American Florists and Pi Alpha Xi, the Ornamental Horticulture Honorary. Walter was elected National Secretary-Treasurer of Pi Alpha Xi during the National meeting held in conjunction with the judging contest.

**Marilynn Dorsey, Education**, has been elected to the Board of Directors of the California Association of Counselor Educators and Supervisors as the counselor education representative. The group is a division of the California Personnel and Guidance Association.

**Marilynn Dorsey, Education, Michael Asch, Rosalyn Phillips, Michele De Roza-Klegh, all graduate students, and Lola Friedmann, Learning Assistance Center**, attended the recent California Personnel and Guidance Association convention held in San Francisco. Mr. Asch presented a workshop, titled "A Career Exploration Experience for Junior High School."

**Habib Sheik, English**, presented a paper at the annual state conference of California Teachers of English to Speakers of Other Languages on April 19 in San Diego.

**Donald Lazere, English**, has been awarded a \$20-thousand fellowship from the National Endowment for the Humanities for the 1980-81 academic year. The fellowship will enable Dr. Lazere to take part in a post-doctoral seminar on Literature and Literacy at the University of Southern California as well as to pursue research on the rhetoric of contemporary politics and mass media.

**Walter P. Schroeder, Head, Education**, Chairman of the Higher Education & Professional Preparation Committee, for the Association for California School Administrators, Region 13, met with the state committee in Burlingame on March 25. As ACSA representative, he met with other organization representatives at a Commission for Teacher Preparation and Licensing meeting April 8 to examine the Commission proposal to require yearly registration for all credential holders.

**Del Dingus, Soil Science**, was guest speaker at the monthly meeting of the Santa Ynez Farm Bureau March 11. Dr. Dingus spoke on "The Role of Soil Testing in Crop Management."

**George Suchand, Social Sciences**, represented Cal Poly at the National Chicano Studies Conference in Houston, April 17-19. His attendance was recommended by the Chicano Coordinating Committee, and was funded by the campus Affirmative Action Recruitment Outreach Program. Suchand was involved in publicizing Cal Poly position vacancies at the conference.

**Locksley Geoghagen, Economic Opportunity Program**, was the university representative at the Fifth National Conference on Blacks in higher Education, held April 11-14 in Washinton, D.C. Funded by the campus Affirmative Action Recruitment Outreach Program, his attendance was recommended by the Concerned Black Community. Geoghagen was involved in publicizing Cal Poly position vacancies at the conference.

**Robert Cichowski, Chemistry**, has won a \$250 Science Teaching Achievement Recognition (STAR) Award in competition co-sponsored by the American Gas Association and the National Science Teachers Association (NSTA). The STAR awards are given each year in recognition of science teachers who have developed new or unusually effective programs in science education. Dr. Cichowski received the award during the recent NSTA national convention in Anaheim for his production of "The Scientific Wizard of Oz: A Science Experience for Children."

**Dennis Michael Nulman, Education**, with the help of fellow faculty and staff members, successfully defrosted the department refrigerator (using only secretarial scissors) on April 9.

**A. Charles Crabb, Crop Science**, attended University of California sponsored short courses on Deciduous Fruit Tree Pest Management and Tomato Insect Pest Management on April 9-10 at Davis, California.

**Arthur L. Schwartz Jr., Business Administration**, published an article in the January-February 1980 issue of *The Real Estate Appraiser and Analyst*. The article is titled "Valuing Real Property Purchase Options," and was co-authored with Professor Don Kummer of the University of Missouri-St. Louis.

**Quintard Taylor, History**, presented a paper titled "The Great Migration: The Afro-American Communities of Seattle and Portland During the 1940s" at the 23rd Annual Meeting of the Missouri Valley History Conference, Omaha, Neb., March 8.

**Joanne B. Ruggles, Architecture**, has received an invitation to participate in her third international art biennale since 1968. Ms. Ruggles will exhibit two large figure drawings in the "7th International Exhibition of Original Drawings and Prints," Museum of Modern Art, Rijeka, Yugoslavia, from July 2-September 30.

**Sherman A. Phillips Jr., Crop Science**, has his surgical technique of removing post-pharyngeal glands (important in absorbing oil-based pesticides) from fire ants included in the February issue of *National Geographic* article titled "The Pesticide Dilemma."

---

## 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.

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

**Clerical Assistant II-B, \$901-\$1,077/month; temporary through 12/31/80 with possibility of extension**, Agricultural Education Department. Duties: Typing, machine transcription, filing, duplicating, Xeroxing, answering phone. Requirements: One year of clerical experience, type 45 wpm, shorthand 80 wpm or dictation equipment experience, and must have taken the General Clerical Test. Closing date: 5-15-80.

**On-Call Custodians, \$858-\$1,025/month; possibility of transition to full-time at later date**, Plant Operations. Duties: Sweep, scrub, mop and polish floors, blackboards, windows and venetian blinds. Lock and unlock doors and windows, empty trash cans and wastebaskets. Cooperate with faculty and staff in moving furniture and equipment. Assist in special activities such as athletic events, assemblies, and graduation. Hours: 10:30 pm to 7 am, Monday-Friday. Closing date: 5-15-80.



# encouraging notes

May 1, 1980

FACULTY PANEL ON GRANTSMANSHIP. Members of the Cal Poly Faculty who have been successful winning proposals for research and instructional grants and contracts from public and private sponsors will give a panel on how they did it. The presentation is scheduled for 3:00 to 5:00 P.M. in UU 220 on Wednesday, May 7.

The panel will be moderated by Del Dingus, Chairman of the University Research Committee, a successful grantsperson himself. Others on the panel will include:

Jay Bayne, Computer Science & Statistics  
Ed Carnegie, Agricultural Engineering  
Ken Haggard, Physics  
Phil Niles, Environmental Engineering  
Norm Pillsbury, Natural Resources Management  
Judy Saltzman, Philosophy

All University faculty members are invited to attend to learn more about how to develop useful contacts with public and private sponsors.

VISIT FROM NATIONAL SCIENCE FOUNDATION PROGRAM OFFICER. Arthur Ezra of the National Science Foundation will be on campus Monday, May 12, as a resource person offering information about opportunities for funding within the Directorate for Engineering and Applied Science (EAS). Dr. Ezra is program officer for Water Resources and Environmental Engineering within the Civil and Environmental Engineering Group of EAS.

President Baker will introduce our guest to the faculty at a meeting in UU 220 at 10:00 A.M. Dr. Ezra will give an overview of the various programs within the EAS Directorate, and then answer questions as possible until noon.

In the afternoon, Dr. Ezra will be available in Computer Science 115-B from 1:30 to 4:00 for consultation with individual faculty members about potential research projects. If you would like to meet with him, please make an appointment by calling the Research Development Office (Extension 2982).

The following summary covers the broad mandate of NSF's EAS Directorate.

The Directorate seeks to strengthen the U.S. engineering and applied science research base and enhance the links between research and applications in meeting selected national goals. This is accomplished by identifying and supporting basic research across a broad spectrum of the engineering sciences and applied research and related activities that have the highest potential for contributing to the understanding and resolution of significant societal problems.

EAS is organized around six major program areas: electrical, computer, and systems engineering; chemical and process engineering; civil and mechanical engineering; applied research; problem-focused research; and intergovernmental science and public technology.

The electrical, computer, and systems engineering programs support applied research in large-scale integrated circuit electronics, integrated optics, optical communications, automation and robotics, and mathematical studies of complex interactions in the manmade world.



The chemical and process engineering programs support research on such problems as the basic mechanisms of catalysis and various chemical and biochemical processes, and the methods for putting the resulting knowledge into industrial applications. The Division also supports research on general theories of mass transfer and separation processes, including the characterization and processing of fine particles, and the efficient recovery and use of resources that feed important industrial processes.

Programs in civil and mechanical engineering encompass a broad array of research areas ranging over mechanical and thermal phenomena important in engineering applications. Areas of research include fluid dynamic problems related to turbulence, studies of rock fracture, erosion and sediment transport, and robotics.

Applied research programs seek to accelerate the rate of technological innovation growing out of significant advances in selected fields of science and engineering and to provide information of relevance on public policy issues requiring a high degree of scientific input.

These objectives are accomplished in two ways. First, the program supports unsolicited applied research projects on problems of the investigator's own choosing that build upon discoveries in one or more of the basic sciences. Second, the program identifies certain technological opportunities or policy areas where the selective support of interrelated applied research projects has a high probability of providing a broad knowledge base for major technological innovations or for contributing to the solution of significant public policy issues. These "coherent areas" encourage and support unsolicited projects on problems relating to these topics. Current areas of special emphasis are: telecommunications; growth, income, and employment; public regulation of economic activity; and production research and technology.

The objective of the division of problem-focused research is to concentrate research on critical societal problems where it is clear that such research is essential for dealing effectively with the problems. The type and number of programs undertaken by the division will change as new problems are selected and as ongoing programs are transferred or phased out.

The division currently has six research programs: earthquake hazards mitigation; alternative biological sources of materials; science and technology to aid the handicapped; human nutrition; problem analysis; and integrated basic research. Each program concentrates research on selected problem areas in order to facilitate the incorporation of science as a working tool for problem resolution in the public and private sectors, provide support for problem-focused research that bridges from basic research discoveries to applications, enhance the capability and capacity of nontraditional research users to use research results and methods, identify and analyze major problems suitable for further NSF attention, and support additional basic research required to deal with problems of major importance.

The objectives of the intergovernmental science and public technology division are to: 1) facilitate the integration of scientific and technical resources into the activities of State and local governments; 2) test and evaluate selected incentives that the Federal Government may use to increase research and development investment in the private sector of the economy and stimulate the accelerated introduction of innovative technology into commercial use; 3) increase the capacity of scientists in selected States to perform competitive research; and 4) strengthen the technical and scientific base of technologies that are compatible with local environmental and resource conditions and the capabilities of local users. These objectives are carried out through four programs: the intergovernmental program, the industry program, the experimental program to stimulate competitive research, and the appropriate technology program.