

**CALIFORNIA POLYTECHNIC STATE UNIVERSITY**  
 San Luis Obispo, California 93407  
**ACADEMIC SENATE**

**Executive Committee Agenda**  
**Tuesday, October 20, 1987**  
 UU 220 3:00-5:00 p.m.

<u>Member:</u>	<u>Dept:</u>	<u>Member:</u>	<u>Dept:</u>
Andrews, Charles	Acctg	Lamouria, Lloyd H.	AgEngr
Baldwin, Marylud	Educ	Lutrin, Sam	StLf&Acts
Borland, James	ConstMgt	McGary, Stephen	AgMgt
Burgunder, Lee	BusAdm	Peck, Roxy	Stat
Crabb, A. Charles (CH)	CropSci	Terry, Raymond	Math
Currier, Susan	English	Weatherby, Joseph	PoliSci
Forgeng, William	MetEngr	Wilson, Malcolm	VPAA
Gooden, Reg	PoliSci	<b>Copies:</b> Warren J. Baker	
Kersten, Timothy	Econ	Glenn Irvin	
		Howard West	

- I. Minutes:  
 Approval of the October 6, 1987 Minutes (pp. 3-4). *10.6.87 minutes removed*
- II. Communications:  
 A. Materials Available for Reading in the Academic Senate Office (p. 2).  
 B. Agenda item which will appear on next week's Senate agenda is:  
     Resolution on Definition of "Close Relatives"
- III. Reports:  
 A. President  
 B. Academic Affairs Office  
 C. Statewide Senators
- IV. Consent Agenda:
- V. Business Items:  
 A. Vacancies Remaining on Academic Senate and Senate Committees (p. 5).  
 B. Replacement Appointment to the University-wide Academic Planning Committee.  
 C. Report on Measures of Effectiveness of Instruction - assign to various committees for review.
- VI. Discussion Item:  
 The Executive Committee has been asked to review and comment on the attached Proposal for a Specialist to Guide the Applied Research and Development Facility (pp. 6-12).
- VII. Adjournment:

**Materials Available for Reading in the Academic Senate Office (FOB 25H)**

June 1987	Documents/statistics/reports/etc. provided at the Student Retention Conference in June 1987
6/10/87	Correspondence from Eric Seastrand re allocation of lottery funds to the CSU and Board of Trustees' Committee on Finance Report on the Lottery Revenue Budget Process
6/22/87	Publications from the Office of the Chancellor re Teacher Education
7/14/87	CSU Committee of the Whole: New Priority Topics for 1987-88
7/28/87	Status Report #4-FY 1987/88, CSU Final Budget Quarterly Internal Report on Enrollment-Summer 1987
July 1987	<u>The Master Plan Renewed</u> , Commission for the Review of the Master Plan for Higher Education
8/3/87	Quarterly Internal Report on Enrollment-Summer 1987
9/23/87	1986/87 Discretionary Fund Reports
10/12/87	Executive Review Policies and Procedures

ACADEMIC SENATE AND  
COMMITTEE VACANCIES AS OF  
October 20, 1987

Senate Vacancies

SAED	One vacancy
SSM	One vacancy
SENG	Of the five newly elected senators, one is to be appointed to a one-year term

Committee Vacancies

SAED	Fall replacement for Tryon on Student Affairs Committee
SPSE	University Professional Leave Committee
SSM	Constitution and Bylaws Committee
PCS	Curriculum Committee

*passed  
refer to*

**DRAFT**

September 14, 1987

*Chas. Galt*

**RECEIVED**

**OCT 5 1987**

PROPOSAL FOR A SPECIALIST  
TO GUIDE THE  
APPLIED RESEARCH AND DEVELOPMENT FACILITY

**Academic Senate**

By

Robert A. Lucas  
Associate Vice President for  
Graduate Studies, Research, and Faculty Development

This is a proposal to contract for a research and consulting development specialist for the Applied Research and Development Facility at Cal Poly. It has been developed in consultation with the Facility Board comprising Ed Carnegie, Harry Fierstine, Ray Gordon, and Dick Zweifel.

Background: The Applied Research and Development Facility was established over two years ago, but its progress has been slowed by a lack of staffing and resources to develop it. When the plan for converting Building 04 to a research center was approved, no budget was provided for remodeling, equipping it, or day-to-day operation.

In May of 1986, a second proposal was drafted that outlined a plan to raise private funds to refurbish the building to house a selected number of activities. Funding of the plan depended upon private corporate support, approximately \$350,000 to be primed by a seed grant from the University of \$30,000 in travel, per diem,

and in kind clerical support.

This proposal outlines a way to take action on that proposal.

Problem: The University has limited resources to put into its research development facilities. The Facility is a large building with significant possibilities, but for these to be realized, considerable capital expense for extensive remodeling and for installing research equipment is required. Once the building is made operational, it will also need a steady flow of applied research contracts of sufficient scale and instructional relevance so that the facility can support itself. If grants and contracts are maintained at a sufficient level, the facility's operating expense can be handled through the indirect costs earned on research projects.

A catalyst is necessary to begin the process.

Opportunity: Wes Witten, a person with wide industrial experience, a friend of Cal Poly, Chair of the President's Cabinet, and a distinguished alumnus of the School of Engineering, has indicated that he is interested in assisting the University in developing the possibilities of the Facility. Through his work in industry and his role as Chair of the President's Cabinet, he has developed numerous industrial contacts and the background necessary to be an effective

entrepreneur for the facility.

Witten is willing to work as an independent contractor to develop the facility, subject to the following conditions:

- That the first call on his energies will be to identify faculty research interest and to locate industries interested in supporting that research, rather than to bring industry problems here in search of a solution.
- That once the initial contact has been completed and the link between faculty member and contact at the industry has been established, the principal investigator will be responsible for writing the proposal and shepherding it through university review.
- That he take responsibility for pursuing, at no cost to the university for his services, the corporate matching gifts which will make the facility operational by refurbishing and equipping it (see May 1986 proposal in the Appendix).
- That the source of his remuneration be an add-on percentage to the indirect costs recovered on industry grants and contracts obtained through his direct agency.

- That he be reimbursed by the University for out-of-pocket expenses for travel to develop project contracts and faculty development gifts, and that he receive office clerical support.
- That he have no responsibility for the day-to-day operation of the facility.

Operational Plan: Witten would enter into an independent consultant agreement with Cal Poly, beginning with the fall quarter of 1987, to seek applied research and development contracts for faculty to pursue activities related to their interests and funded by California industry. He will also enter into a one-year pilot agreement to work on the capital campaign to locate corporate funds to convert the facility into a working laboratory.

Fee for his services will be derived from the overhead on those contracts executed as a direct result of his activity. These contracts will be clearly identifiable from their indirect cost rates. Each will be two percent above normal indirect costs, using a total direct cost base for their calculation. The difference between the normal indirect cost rate and the augmented indirect cost rate will be Witten's fee, payable to him when the contract is executed.

Because some projects will require specialized equipment that is not in the Facility, they will be conducted at other sites on campus. Witten will also receive a fee for these projects if he was responsible for their award. Again, his role in their award will be clearly identifiable through the higher indirect cost rate.

Character of Applied Research: The May, 1986, proposal identified a number of research directions the facility could pursue as private funding came in. Such identification may have been premature. This proposal suggests that it is better to focus on projects that have a number of characteristics important to Cal Poly's educational mission. Applied research projects for the Facility should have a number of the following characteristics:

RELATED TO INSTRUCTIONAL DISCIPLINES: Applied research activities will provide learning opportunities for undergraduate and graduate students in their disciplines.

RELATED TO FACULTY EXPERTISE: Projects should build on current research momentum possessed by one or more faculty. Projects to solve industry problems that are of little interest to our faculty are not desirable.

VISIBLE: Visible projects will help the facility make a name for itself in applied research and will further assist the development of the facility.

INTERDISCIPLINARY: Projects that cut across departmental lines offer an excellent opportunity for faculty to learn about and work with others of like interest in different departments.

DIVISIBLE: Projects that have tasks that can be parcelled out have the virtue of involving more than one faculty member, and expanding the base of activity so that more Cal Poly faculty become involved in research.

CURRENT: Projects which pursue current topics and which are useful to society have the chance of being more readily funded and will highlight the applied nature of the facility and of the instructional program.

Once a number of projects have been funded, new directions will emerge that may suggest an identifiable focus for applied research in the facility. As this occurs, it may be appropriate for us to redefine the facility as a building with a more specific applied research mission.

The capital campaign effort will be coordinated with the Office of the Vice President for University Relations.

At the end of nine months, the success of the overall activity will be evaluated by the Facility Board, and a recommendation will be made to the Associate Vice President for Graduate Studies, Research, and Faculty Development concerning its continuation.