**Homecoming 1965 - 66, Reflections of a President**

CALIFORNIA STATE POLYTECHNIC COLLEGE

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FRIDAY, NOVEMBER 19, 1965

_San Luis Obispo, California—Karl Warran to the Cal Poly Alumni, has been named basketball coach with he general reserve as a fund to purchase and maintain two station wagons. Safety and transportation are primary reasons Cal Poly needs automobiles. Various things have gone wrong with individuals' cars; so, two extra help avoidably. Besides, athletic teams most frequently make out-of-town excursions as well as the judging teams, the Board of Publications, and RAC members for joint meetings," explains AHI graduate manager, Robert Spink.

It was pointed out that Cal Poly would get state rates and save a mile or two, Tra and section hide ranges from $2000 to $2000, according to Spink, for each of two 1965 or 66 mini-passenger station wagons, complete with warranty coverage.

Some of the main specifications and equipment include automatic transmission with three speeds forward, power steering, back up lights, electronically operated tail gate window, automatic floor covering, radio, telemeter, and heavy duty suspension.

A motion by John Tholen, Multi-Athletics, to table the automobile matter for two weeks was carried by a vote of 18-14. A January 27, will be held at the Kellolog Room where the American League and the National League will play activities and provide housing and meals. The Alan Louis Obispo campus will provide transportation either by a party train or bus. A social, intramural sports, tryout running, and a presentation by President Julian Mihalek comprised the agenda.

**SAC approves donation drives**

There are tentative plans to be offering a full 4-week quarter, starting the first week of December. The University Committee on the California State College's film project, which would be offered parallel to the summer quarter, is in the planning stage. According to Wilson, the session must be self-supporting in that it must fully pay for its operation. A $2500 fee will be charged to meet costs of family aid to be received.

The summer session will primarily consist of professional education courses.

Two publications, announcing the Summer Quarter, will be published about Feb. 1.

The subject of faculty participation in the selection of the college president came up at the press conference.

"The Chancellor or his designee, will he will be the vehicle by which an Advisory Committee to the Chancellor's Office for the selection of a president will be established.

The "Ad Hoc Consultative Committee on Presidents and Selection Procedures" is a Faculty-Raft Council committee now in existence. The primary function of the committee is to establish some type of advisory committee and its policy and procedures.

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**Fourth quarter confirmed**

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**Athletic Jungle between the two Poly campuses was also confirmed (Continued on page 4)**

*Three campus organizations, all of which had invested time and money in their donation drives before approval, had the drives approved by RAC at last week's meeting.*

A clause in the code on donation drives says that there can only be two donation drives going on at one time. The Young Farmers and the Horse Parade Float Committee have their drives approved under the code. Before these other three came up.

Crop Club had gone ahead and made plans to hold a drive at the same time but they had not yet been approved: George Gomes, AHI vice president said that he believed this to be an honest mistake on the part of the club and that the club stopped donation activity until approval. RAC set aside the code and approved the drive. The vote was 17-6. The drive is scheduled for Nov. 30.

Ken Wilson, Engineering Council representative, said that drives are a nuisance, and that, "that triple indemnity is a personal affront to the student body."

Then Rifle and Pistol Club drove ahead for approval. Publicity had already been put out. The drive, connected with a pistol shoot, is scheduled and Nov. 31. RAC set aside the code and approved this drive.

Ag Engineering Club was also up for a donation drive approval. Their drive is scheduled Nov. 30 through Dec. 1. The tickets had been printed and the prize bought. RAC then approved the drive.

Dave Brown, RAC Ag Council representative said that in the future clubs should not have purchase orders approved for selling their funds to print tickets, buy prizes and for publicity unless the drive has been approved by RAC.

Charles Dudley, representing Finance Committee, recommended that RAC appropriate $7,000

*Fourth quarter confirmed*
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The direct approach in ‘Learn-by-doing’

Do you have yours?

There has been a complete changeover in the campus post-office boxes because of the addition of $22,000 at the beginning of this school year. Many students still have not checked in with the post office to get their new post-office box assignments, according to the campus postmistress. It is necessary that all full-time students be registered with the post office.

The new post-office boxes are the only ready means that the college has of sending notices to students, according to Everett Chandler, dean of students. Failure to meet deadlines in appointment renewal will result in a $2 penalty charge.

Books at high noon

On Tuesday, Nov. 19, William Alexander, Social Sciences Department chairman, will review a thick book in which he says he has learned something on every page, “Kennedy” by Theodore C. Sorensen. Selections from the book appeared in LOOK magazine during the summer, and the book has been republished. The Saturday Review says of it: “Moreover, Kennedy was an extraordinary man, an extraordinary politician, and an extraordinary President,” who may well seem even larger in the long perspective of history. He had helped bring about a new era in race relations, in Soviet relations, and in the world’s perspective of history. He had helped bring about a new era in race relations, in Soviet relations, and in the world’s perspective of history.

Boots condemned

In reference to David Bigg’s letter, I must disagree with the comments concerning booing. I have always felt that the cheerleader job was to encourage a positive attitude in the stands and not a negative one. Certainly we do not enjoy watching the referees hand out penalties to our hard fighting team, but are all his decisions wrong when they are against us and right when in our favor? If the cheerleader would watch plays, he would understand the calls and not blindly boo correct decisions made by the referees.

Organized booing, which represents complaints against the referee, brings discredit to the school and are a number-one sign of poor sportsmanship. Let’s accept our team’s mistakes, and instead of booing hope about a few original cheers to keep up the spirit and drive our team to victory.

Few schools need a booleader, and Cal Poly definitely needs a better one to give the student body the best chance of advancing and being a great team. Good cheers are refreshing and welcoming, but the thoughtless boos and dummy cheers we have had this year have done nothing.

Boos condemned

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Fellowships to be offered for research

A $1,200 fellowship award for personnel research in the fields of college recruitment and placement was announced today by Eugeine R. Rittenhouse, campus placement director.

Interested in applying for the fellowship may obtain full details from Rittenhouse, whose offices are located in ADM. 203.

The award carries no restrictions on holding other fellowships, assistantships or other employment. Final date for application is December 2, 1965.

Mounts writes paper

Dr. Billy Mounts, head of the health center, recently attended a meeting of the Association of California State College Physicians at Sacramento. Addressing Mounts to the symposium were Dr. Mudge Jacks and Dr. Arthur Zane.

The association meets twice a year, now in the spring and again in the autumn. Mounts was elected president of the association during last year's spring meeting.

The purpose of the association is to promote better understanding among the physicians serving at various college health centers and to discuss the many problems common to student health.

At the recent symposium Mounts presented a report on infectious mononucleosis based on clinical experience with 220 cases. He drew on histories dating back to 1953 in preparing his paper.

"It is assumed to be inherited by a virus," said Mounts in describing the disease that usually affects young adults. "It is a representative strain at the moment of illness. The symptoms at the onset of the illness are vague and not unlike those seen in influenza.

"At our time the number students contracting the disease had to drop out of college, but in the last five years treatment has eliminated this necessity to leave school," reported Mounts.

Discussions on mononucleosis formed the major activity of the symposium. Dr. Eugene Fish of San Francisco State presented a report on his clinical experiences. A paper on "Laboratory Studies" was presented by Dr. Stephen Cowdrey of San Jose and Dr. Paul Metterley of Sacramento presented a paper on "Hepatitis Diagnosis and Its Limitations."

Harvey "to be given"

"Harvey," a comedy in three acts by Mary Chase, will be presented Nov. 19 and 20 as part of homecoming activities. The comedy is centered around Elwood P. Dowd, a man whose best friend is a rabbit. Harvey, the rabbit,DESIGN only four feet tall and knows nothing is going to happen in the future. But shuns mice on Sunday night, is 8:30 p.m. and tickets will be sold at the door.

SHAKESPEARE PRESS

The Shakespeare Press, owned by the late Charles L. Poppe (a former newspaperman), will be housed in the Printing Department of the graphic arts building.

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(Turned from Page 1)

By administrative policy the University of California禁止 spectators attending athletic events, except those specifically prohibited by administrative policy.

Andrews said that, "Competition in the body-contact sport, or one that is regulated by judicial rules, such as football, is at a decided disadvantage. It is not the result of the game in the casual game but the casual game over the same rules which would work against the goal of Cal Poly being fair.

Everett Chandler, dean of students, said that the teams compete in such sports at this time. The competition, he said, was between the better and the poorer and that relations between the two campuses was the result of the closeness of the two campuses and the fact that the two campuses were not one. The result of the game was that the University of California would be given a chance to play against Cal Poly.

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John attended one of Western Electric's three Graduate Engineering Training Centres and graduated with honors. Now, through the Company's paid Tunnel Bellboy Plan, John is working toward his Master's in Industrial Management at Brooklyn Polytechnic Institute. He is currently a planning engineer developing test equipment for the Bell System's revolutionary electronic telephone switching system.

If you set the highest standards for yourself, both academically and professionally, we should talk. Western Electric's vast communications job as manufacturing unit of the Bell System provides many opportunities for* engineering, mechanical and industrial engineers, as well as for physical science, liberal arts and business majors. Get your copy of the Western Electric Career Opportunities booklet from your campus Placement Officer. And be sure to arrange for an interview when the Bell System recruiting team visits your campus.
"Learn-by-doing," a quotation attributed to the Greek philosopher Aristotle, has become synonymous with the teaching philosophy at this college. But how well does the "learn-by-doing" philosophy work in practice? This is the question I am addressing in this article. What is it, in fact, really applicable to all fields of instruction carried on within the college? These and many other questions prompted the editors and staff of El Mustang to investigate and bring forth the following Query on the "learn-by-doing" philosophy.

On this page regular Query reporter Diane Schmidt presents the story of how Cal Poly received the "learn-by-doing" philosophy in its first piece and how present-day staff leaders view it.

On page six Ag beat head Jim Shepherd, Kim Schneider (floor) and Kigo Vierra (table) are learning-by-doing" as they work on an air conditioned lab project. The types and number of classes have constantly been changing, but the basic educational system has been here and is here to stay. That is what we will continue to do.

**Query looks into college philosophy**

Don Brown, Al major, demonstrates the basics of the "learn-by-doing" philosophy, in the feed lots of the cow barn. Brown learns his prospective job by actual on the job learning in the ag units. Agriculturally is the field in which the "learn-by-doing" philosophy has perhaps its most pronounced success.

Another question asked West deal with the changes which have developed since the college began, and what changes are foreseeable in the future. He answered, "We are always attempting to have a philosophy of keeping curriculum up to date.

Jim Shepherd, Kim Schneider (floor) and Elga Viera (table) are learning-by-doing" as they work on an air conditioned lab project.
"Learn-by-doing" philosophy of the Agriculture Division.

Proof of the pudding seems to lie in the great demand for Poly graduates. Many businesses are very impressed with the results of our unique system of plantation. (One of the ornamental horticulture instructors, T. Amato, stated that there are four to six job offers for every till graduate.

"The biggest problem we have is getting enough students graduated to fill job offers amid with us," stated L. Sunkoff, poultry instructor.

A. Dunn, a soil scientist, Legihoff, commented that the Poly student is a good person and student. "He is not afraid to get in and really work at something. He is wholesome and enjoys the work."

"A lab is like a storage room; the instructor must fill it up so the student may pick fruit benefit," commented L. Lencourt, dept. head of Agricultural Engineering. "If an instructor does not fill the lab with equipment before the lab period, it will be like a vast desert to the students. They will not know what to do in there."

The main objectives of the various agricultural departments, as well as other departments, is to get a well-balanced program of theory and practice. The balance has been fairly well established as most of the departments. Class sections are designed to explain the modern methods and techniques the lab permits follow closely to the lectures.

A good example of a modern technique put into use by the student, is the project of processing data brought in from a farm in the area and computing it on the electrical data processing machine. The results are compiled in Berkeley, Calif. and then returned to the Farm Management department.

Being able to see "what makes it tick" has been a great boost in student motivation. Because a student is theoretically required to state his major when entering Poly, he is subjected to the actual workings of that field in which he is interested, as intended by the "learn-by-doing" philosophy. Animal husbandry instructor H. Harris cited a good example of motivation. A student with foresight came in to talk to him about his future senior project before he was eligible to take the course. He was not required to take the many higher mathematics courses or statistics that would be needed to help him work out his senior project, but his desire to complete the research he had started compelled him to take these extra courses. The student learned all the preliminary steps through personal experience. He is able to work with a still student and provide a boost from his efforts.

A big problem existing, as estimated previously, is the necessity to keep up with the modern methods, techniques, research and education. A new method is not easily proven superior, but when business adopts it, it is time the school adopts it into the program. Not only should the instructors feel it with their responsibilities, but the administration should keep the school supplied with modern machinery, tools and equipment, as well. Students must be prepared to meet the challenges and demands within and beyond his occupation.
"Learning-by-doing" is a basic part of our education in the Engineering Division, according to Dean Harold Hayes.

"Our theory of "learning-by-doing" is typical of a lifetime situation, to take a fundamental principle and make a useful product out of it. Our up-to-date learning principle is to produce from a specific example to general applications. This way the student learns to generalize and apply his theories to many different situations and areas."

Hayes feels that the "learning-by-doing" philosophy has a lot to do with the fact that 40 per cent of California engineering students are enrolled in Cal Poly San Luis and Cal Poly Pomona.

Before coming to Cal Poly, Rodney Keif, recalled a significant incident.

"Teaching a class of seniors in mechanical engineering, I asked the students to draw a degree of a piston. Several had what it looked like. It was then and there, I decided that Poly's philosophy of "learning-by-doing" was the only effective way of teaching engineering."

"This philosophy does have one flaw," Hayes admits. "It appears that a student comes into a division not knowing exactly what he wants to do. It is a relatively easy thing to make an impression, a "learning-by-doing" philosophy within the first year, though. Giving him a taste of the technical part in the first quarter, we can help the student decide what he wants to do."

The "inter-department change within the first year, though, (living him to class prepared to ask and be asked questions."

The whole department reflects this extension of the "learning-by-doing" philosophy. Even the regular classes are more than lectures.

"We have lecture-discussion classes where the student comes to class prepared to ask and be asked questions."

"The head of the Aeronautical Engineering Department, Charles Davis, feels that the last way to express the effectiveness of the "learning-by-doing" philosophy in his department is by specific examples."

According to Davis, two Aero majors, Fred Philbrick and Del Hoffman, built a small plane last year as their senior project. They entered it in the National Air Races at Reno, Nevada, in the under-100 cubic inch division.

"I'm not sure what they planned," said Davis, "but just the fact that they entered the race with their project was quite a thing. They gained invaluable experience that they will carry into industry with them.""

"Poly stresses a good deal more lab experience than other schools." This is what makes it significant in his philosophy, according to Richard Wiley, head of the Welding and Metallurgical Engineering Department.

"We make a conscious effort to expose the students to the realistic, down to earth "learn-by-doing" philosophy."

"The main pro "learn-by-doing" argument, expressed by various members of this 43-student department, was "You can read all about machinery in books, but they don't tell you all the little idiosyncrasies that each machine has and what to do about them. That you have to "learn-by-doing.""

Fred M. Stork, head of the Electronic Engineering Department, believes that Cal Poly is something of a pioneer with its "learn-by-doing" philosophy.

"Some of the things we've been doing for years are just now catching on at other schools. The labs and senior project are two examples."

"Here in Electronic Engineering, we have from three to six hours of labs for each student each quarter," says Stork. During these lab hours the student gains practical experience to supplement his studies in the lecture classes."

A unique view of the "learn-by-doing" philosophy comes from Fred W. Bonder, who is head of the Electrical Engineering Department. "Learning-by-doing isn't enough. Coupled with "learn-by-doing" should be "learn-by-thinking.""

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By Marti White

In the Applied Arts Division, it is apparent that there can be found a wide range of diversity in the actual application of the "Learn-by-doing" philosophy. Carl C. Cummins, Applied Arts dean, now "learn-by-doing" as a comparative matter.

Cummins said, "It is like the fellow who was asked how his wife is and replied, 'compared to another college,' Cummins stated. "Here at Cal Poly," continues Cummins, "the emphasis is on the technical fields where the college teaching methods are easily recognizable. When you get farther away from the Applied fields, such as Business and English, it is more difficult to apply our philosophy. However, 'learn-by-doing' is ingrained into each and every department.

A.M. "Bert" Fellows, head of the Printing Engineering and Management Department, pointed out that "we (Cal Poly) have the only school in the United States in which the student body financially supports, writes and prints the college newspaper.

"If the college ever gives up this philosophy," Fellows continued, "we won't have anyone here. We have a down-to-earth group that are formed within the department."

Within the Technical Arts Department, Robert V. McKitrick, department head, feels that the "learn-by-doing" philosophy is "the key to success in our world. Our students get practical experience in writing and the workings of the newspaper while a member of the El Mustang newspaper staff. They also learn while they are doing in photo, business, industrial arts, and our advertising classes, just to name a few of the groups that are formed within the Music Department.

One has only to attend a Home Concert put on by the Poly Music Dept., to see if "learn-by-doing" is really achieving its goal.

As the journeymen and printers work together to put out the college paper, the feeling of "realism" is always there. The practical experience achieved parallels that of the business world.

Looking at the Technical Arts Department, we find the particular college prepares graduates for employment in a broad range of professional positions in industrial management, industrial marketing or industrial arts.

Department Head J. M. McKibbin explains that "the labs are project-centered, where the student gets practical experience in design planning, graphic processing, reproduction and the developmental aspects of technical problems. We can't get this out of books.

"We are on the ground floor, the 'learn-by-doing,' and are always looking for a way of teaching our curriculum even more practical. 'Learn-by-doing' is the only way to teach, and everyone on our staff has had practical experience.

The philosophy of "learn-by-doing" has been expanded upon in the Home Economics department of our college so that the girls not only get the practical experiences but also the "why" in what they learn, and what they do.

Dr. Marie Pfeiffer, department head, believes in the "learn-by-doing" system but means that she wants to teach the girls the reason why they are doing it, and what it is that makes it happen. When they take a biscuit, for instance, she wants them to realize why it is done. When they prepare a meal, she wants them to know why they are doing it, and what it is that makes it happen.

"Humanities occupy the very end of the spectrum within the Applied Arts Division and it is not easy to apply the "learn-by-doing" philosophy," felt Wilson Paynter, English. (Continued on Page 9)
The Education Department under the guidance of department head Walter P. Sell offers not only teaches professional courses but advises fifth-year and graduate students who are working toward bachelor and advanced degrees. The Education Department staff, under the guidance of department head Walter P. Sell, selects only teachers professionally equipped but advises fifth-year and graduate students who are working toward bachelor and advanced degrees.

"In business, we have many examples of "learning by doing," though it is harder to apply the concept. In public speaking courses, labs, business report writing and human relations courses the students are given examples that they would encounter on the job," says Department Head Owen Serviati.

The Education Department under the guidance of department head Walter P. Sell not only teaches professional courses but advises fifth-year and graduate students who are working toward bachelor and advanced degrees.
Students see need for improvements

by Suzanne Lewie

Perhaps, the strongest evidence of the Cal Poly "learn-by-doing" philosophy is apparent in the Agriculture Division. Junior Fruit Production major Doug Parks, a confirmed advocate of "learn-by-doing" in his field, since his department has the facilities for actual learning in the orchard and vineyard, he finds this manner of teaching is the best way to establish a firm foundation in fruit production. This department also has a particular program called Job Instructional Training, which allows the student to thoroughly construct a class by presenting a problem and helping the student to solve it under lab circumstances. Parks believes that with such attributes as this in the department, being a learn-by-doing agriculture major from Cal Poly will be an asset after graduation.

An excellent example of "learn-by-doing" in his major is Henry Struckman, a sophomore Dairy Husbandry student who lives at the dairy unit and is among those students who are responsible for its operation. Struckman believes the individual student will "remember more from his labs when he does it himself." In this manner, Dairy Husbandry emphasizes the Cal Poly philosophy by the opportunity its majors have to raise a specified number of cows that will pay for part of all of the year's expenses at school. Struckman's contribution from "learn-by-doing" was demonstrated recently at the Cow Palace, where he achieved first place in his Brown Swiss division, one of which won Grand Champion.

Instructor A. D. Rouse believes that there is not yet enough "learn-by-doing," and it could be remedied by a course offering in the type of position later to be occupied. However in the English Department, it seems that there isn't very much practical experience to be obtained. Assistant Professor Elroy Porter states, "From what I have seen, there are few ways in which to apply Cal Poly's philosophy in English, except by way of compositions in and out of the class, and by student teaching."

The Applied Sciences Division offers varying views towards practical experience in their particular majors.

In the area of Nuclear Science, sophomores Doug Miller and Bob Post believe there is no practical method of acquiring experience, since the major largely involves theory. From his viewpoint, the only way to confirm understanding in this field is by studying and testing. But, Miller also believes that the senior project and student teaching are two concepts of acquiring practical experience in Social Science. Perhaps, Bill Awbrey, sophomore Industrial Engineering, sums it up for everyone in this matter: "If you have practical experience, then you're doing something right."

The question of experience in the fields of Business and Economics is by students and faculty alike. As far as Business majors are concerned, they want to believe that there is a practical method of acquiring practical experience. However in the English Department, it seems that there isn't very much practical experience to be obtained. Assistant Professor Elroy Porter states, "From what I have seen, there are few ways in which to apply Cal Poly's philosophy in English, except by way of compositions in and out of the class, and by student teaching."

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**Sciences: part aid, part problem**

By Bud Ross

The Physical Sciences courses are traditionally "learn-by-doing," said Glenn Noble, Biological Sciences Department head. "It is a philosophy not limited to Cal Poly alone but one all colleges and universities must implement. After all, you can't very effectively teach anatomy out of a textbook without actually doing some dissecting."

Noble went on to say that university lecturers are given, but that the ideal learning situation is for labs to accompany lectures. Noble was asked if the college's philosophy, with respect to "learn-by-doing," really affected a department already oriented in this direction.

Noble answered that the department was in fact doing the college's encouragement of laboratory learning, since the department did not have to justify its position in labs as it might have to do in a liberal arts college.

On the other end of the Applied Sciences spectrum came a somewhat different idea of "learn-by-doing" from Eugene Smith, Social Science Department head.

Smith stated that although there were some very definite "learn-by-doing" projects within the Social Science department occasionally, it was never truly the department's philosophy to follow a "learn-by-doing" philosophy in the same sense of the term as it truly applies in the engineering department. The reason, Smith said, is the very nature of the subject matter in Social Sciences.

Smith made the point that the majority of Social Science majors expect to go into teaching and that student teaching is a definitely "learn-by-doing" process. Smith made the reservation, however, that student teaching did not come under the Social Science Department, but under the education department. He said the biological sciences department's primary objective as defined by the school was to train secondary teachers in the social sciences.

Senior projects, according to Smith, require a type of library research rather than a physical project.

Dr. Milo Whitson, head of the Mathematics Department, made the following statement regarding "learn-by-doing" in mathematics: "Frequently application gives rise to the need for a particular mathematical concept. This concept is then developed into a theory and returned for further application. Aside from this pure mathematical theory the remainder of the mathematician's time is spent in applying the theory."

When asked if there was a conflict between theory and practical application, Whitson replied that theory and application went hand in hand and that neither could exist separately.

He was asked how the "learn-by-doing" philosophy was implemented in the Math Department and his reply was that in preparing students to go into teaching, the department employs specific activities where practical techniques in teacher training, statistical analysis, and computer programming are learned.

When asked if Cal Poly was unique in its philosophy, Whitson said it was the amount of emphasis with regard to the type of math taught rather than the method. He explained that this college probably teaches more applied math than many institutions and less pure math theory than most institutions.

"I must remember that we are still primarily a service department," said Whitson, "We, as educators, try to bridge the gap between the theory and its application in other fields."
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President Julian A. McPhee at a barbecue, n.e., chef (upper left), with Leonidas E. Wrase, donor of scholarship funds (upper middle), as he first came to Poly (upper right), and mortising the class of 1964 plaque in front of Crandall Gym (directly above).

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Revolutionary house underway on campus

An architectural students are currently engaged in a project that may help to revolutionize housing in Southern California.

Plans to build a bridge house to occupy a supposedly impossible site in Poly Canyon are well underway.

Working under the direction of Craig Ellwood, architectural authority on building houses on inaccessible sites, are six architectural engineering seniors: Robert Gurlow, Lloyd Gardiner, Lloyd Suplee, James Kane, Tim Wrigley, and Ray Nishikawa.

The original idea of a bridge house was developed by Ellwood as a solution to the utilization of space and high-cost beachfront land in Southern California.

The basic concept of the bridge house is to span a valley or a canyon with two flat frames which support the entire structure and become the outer walls. The frames are exposed steel, and the top and bottom chords serve as the finished floors for the rider and roof. The area between the web members is glass.

As their senior project, the six students have designed their own version of Ellwood's basic idea. Their house, that will span a valley or a canyon, will be 24' by 48'. As Jim January put it, "It's going to be just like a bridge with a house on it." The participating seniors have divided themselves into two groups—the planning and the construction.

The participating seniors have developed a framework the planning and the construction. "We have been pretty lucky in securing our needed materials," said a participating senior. "Kaiser Steel donated the steel for the framework. Now all we need is a supply of concrete."

This is the first quarter these seniors have been working on the project. They hope to have it completed, as far as they intend to complete it, by April 17, 1965. Plans have it for them to design and build the house as far as the framework, leaving the rest for possibly a future senior project.

Ellwood, who has won one of the highest honors in architecture, the first prize at the International Exhibition in New Philadephia, has spent many hours on this campus helping the students with this particular project. He has become interested in the responsibilities and importance of education and has given his time to a wide program of teaching and lecturing. What is the purpose of a bridge house on the Poly campus? When it is finally completed, it will be an impressive place in which a visiting architect can stay and enjoy the benefits of Cal Poly's Philosophy of "learning by doing."

Awards presented to full sportsmen

Juliet A. McPhie, president of the college, will be the guest speaker at the first semi-annual Fall Sports Award Banquet to be held Thursday, Nov. 29, at the student dining hall.

Awards will be presented to members of the varsity football, cross-country and water polo teams. The E.C. Loomis Award and the Clarence Brown Award will be presented along with awards for the outstanding defensive lineman, defensive back, offensive lineman, offensive back, and for the best athletic achievement above a 3.0 GPA.

The banquet is open to all interested students. Arrangements can be made at the dining hall.

Auto wreck kills student

Thomas Flower, a senior mechanical engineering student, was killed in an automobile accident recently.

According to Everett Chandler, dean of students, the accident occurred in the foothill Los Osos Road area. Flower was apparently thrown out of the car. No exact details are available because he was alone at the time of the accident. The skid marks at the site measured 1000 feet so the mishap was probably the result of high speed driving.

Flower lived in Fremont and his home of record is listed as South Gate, Calif.
A study of concentration is shown by some of the members of the Cal Poly water polo team as they prepare for the state college tournament taking place at Cal Poly, Pomona today and tomorrow. Long Beach State College is favored in the tournament.

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**Gridden drinks Metraca to play good football**

**by John Shaw**

"If order for me to shine weight so I could play football here. I was too big when I came to the school a year ago, and I weighted 195 pounds," So said senior quarterback Bruce McPherson.

The 5-10, 185 lb. Jap-browian from Santa Cruz, attended the University of Oregon for his first year of college, "I didn't play ball up there because I wasn't sure I could make the team. There were too many guys who went to school for the sole purpose of playing football. Besides, it was too light and I wanted to concentrate on grades. I wish now I would have at least tried out for the team," McPherson added.

McPherson transferred to Cal Poly in his sophomore year, and he decided to play, but "CCAA rules pertaining to transfer students states that he had to play on the junior varsity squad.

In his first year here was a running back, but now McPherson will be taking the following season as a defensive center-back on the varsity squad. This year he is a backs- back for coach Harvey, "a machine.

In the first part of my high school years, baseball was my favorite sport, but that was changed. My older brother played football, and he talked me on going out for the light-weight team in school. Even then it has been football all the way," relates McPherson.

Bruce continued to play football, but he was not as important at school. He wanted to try out for the baseball team this year over Polly, but decided against it.

Bruce reflected his opinion of school athletic spirit, stating, "When we have a team out here, we all have kind of support, who begin to lose, the same people who contribute.

He continued, "This team can win the league next year if they have some depth in the line, and get some depth in the backfield.

Bruce feels that the root of the team's problem is the lack of self-confidence.

"If we get our attitude up, we can have a brand new team. The potential is there. All that needs to be added is that extra spark of confidence."

According to McPherson the team is extremely close and would spend much of their time together off the field. Before the team had an informal meeting of the players to talk about the ideas for the upcoming game.

Bruce mentioned playing for this team, and it has meant a lot to him. He has been on the team now for two years. He expects to see great things from the team in the future. He will take pride in getting better, but when they do, watch out."

**Unity sought by divisional council**

"Our primary goal this year will be to achieve unity among the several departments that make up the Applied Arts Division, forming a close-knit organization.

This, according to Applied Arts Council Chairman Dwight Perry, is one of several goals of the Council.

While striving for division unity throughout the 1961-62 academic year the Council is planning an effort to achieve better representation from the Student Affair Council.

Perry expressed optimism that "the Council will grow stronger in recognition of the importance it has taken on this year." He continued, "It is one of the most important Councils on the campus."

In his first year he was on the council, and he saw it grow. He believes it will continue to grow.

Perry added, "The Council is forming a closely-knit group of leaders for this year."

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Perry added, "The Council is forming a closely-knit group of leaders for this year.

"We have enjoyed playing on the Council this year with Perry as chairman. The other officers include: Coralie Sijveyor, vice-president; John Theilan, and Phillip Greaves, secretary; and Carolyn Drake, treasurer.

**CAL POLY STUDENTS**

This fall quarter brought an enrollment of 60 students at Cal Poly. Eighty-eight per cent came from California, including 17.3 per cent from Los Angeles County and 19.6 per cent from San Luis Obispo County.
Mustangs face UCSB Gauchos before Homecoming crowd; drop fifth straight game to Santa Clara, 6-2

Cal Poly's Mustangs will play host to the visiting Gauchos tonight at 8:30 at Mustang Stadium. The Mustangs try to get back on track after their fourth straight loss last Saturday to the Santa Clara Broncs.

**Game Statistics**

<table>
<thead>
<tr>
<th>Score by Quarters:</th>
<th>Cal Poly</th>
<th>Santa Clara</th>
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<tbody>
<tr>
<td>0 0 0 2</td>
<td>0 0 6 0</td>
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**Score Recap:**

- First down rushing: Cal Poly - 4; Santa Clara - 6.
- First down passing: Cal Poly - 3; Santa Clara - 3.
- Net yards rushing: Cal Poly - 125; Santa Clara - 124.
- Total offense: Cal Poly - 233; Santa Clara - 233.

The Mustangs didn't have too much luck as they lost to the Bronco, 6-2. The game was so even that both teams were unable to move the ball much during the first quarter.

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**HORSE SHOW**

Alumni Carol Ramsey will judge the Homecoming Horse Show to be held 7 a.m. Saturday morning at the Red Coliseum. Entries in the intercollegiate horse show are students in good standing. In the preliminary rounds, the judges may be held with the entry fee.

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Twenty-one floats compete in parade

By Michael O'Connor

There seems to be a penisial rapport among the Cal Poly students according to President John M. Chandler. "The amount of student enthusiasm in our coming-debut weekend has increased tenfold," he stated. This enthusiasm can also be seen in the fact that with only 500, 800, and 100 student registration forms, the registration effort ran out and still needed more. More than ever will be made eligible for the draft this year due to changes in the Defense Department's standards and in California's requirements. But for changes have directly affected only five Cal Poly men who have dropped out of school this quarter because of military reasons but this is only a slight indication of what is to come.

According to Cal. Kenneth H. Robinson, Executive of the California State Selective Service system, as many as 125,000 of the 156,000 college students now holding 4-D student deferments may be re-classified 1-A and made eligible for the draft by next June. Currently, only single men between 19 and 26 and whose ranks are becoming depleted that college students may be drafted in December is all the 4-D California quota. The only real opportunity for single men remaining is the group held on for deferment, according to Col. Leitch. Students who now hold 4-D student deferments will keep them until the end of the academic year but starting in June, 1-A deferments will be granted only to those students taking a sufficient number of hours of study and sufficient units to complete an eight year program in four years. "Although the college summer kids will be drafting like mad, students are advised to take at least 15 units if they are subject to the draft," stated Dean Chittenden.

Coronation Ball accents 1933-66

"The years '33 to '66 will be the theme of this year's Coronation Ball which is being held Saturday, Oct. 20, from 9:00 p.m. to 1:00 a.m. in the Men's Gym."

The dance, sponsored by the Y.W.C.A. club, will utilize the theme in its decorations which are to be quite stimulating according to Gary Rose, ball chairman. The 1-8C deferment can be applied for only after the final roll is turned in at the end of the quarter. Anyone who has been turned in to the local board for induction will be automatically classified 1-A. It is the duty of the local boards to classify all male students between 18 and 25 years old unless they have been accepted as inductees. Those who would like to apply for classification should first consult their local draft board and then visit the local draft board. The local draft board will then classify them 1-A or deferment and defer them until the end of the quarter.

The ABC club, will utilize the theme in its decorations which are to be quite stimulating according to Gary Rose, ball chairman. The theme is based on 1933-66 and will be held Saturday, Oct. 20, from 9:00 p.m. to 1:00 a.m. in the Men's Gym. The dance is sponsored by the Y.W.C.A. club, and will feature music and color photographs. The dance will also be available at cost for those who desire them. Refreshments will also be served. The theme is based on the years 1933-66 and will be held Saturday, Oct. 20, from 9:00 p.m. to 1:00 a.m. in the Men's Gym.

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