

El Mustang

CALIFORNIA STATE POLYTECHNIC COLLEGE

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SAN LUIS OBISPO, CALIFORNIA

WEDNESDAY, SEPTEMBER 1, 1954



CONSTANT PROGRESS . . . Hub of the 3,000-acre Cal Poly campus is shown in this recent aerial view. In background at left may be seen the five new dormitories that house close to 500 of the single students. Flanking the dormitories is the Poly View trailer area for married students. Open area in center of picture marks eventual location of the \$2,000,000 Science building, scheduled for completion July 1, 1955. Administration building, Agricultural Education building, cubicle unit classrooms and the Walter Dexter Memorial Library may be seen at left, near center. Building at right of area being graded is the recently completed Power building. In right foreground, Cal Poly football stadium and Grandall gymnasium. Photo was taken by Jim Deering, Student News Bureau photo chief from a plane piloted by James Merson, agricultural engineering department head.

Welcome All You Mustangs

Every year Cal Poly has a get acquainted period which familiarizes you, the new student, with campus functions.

First of all, numerous "all knowing" tests are given each applicant and from these counselors attempt to determine your likes, dislikes, and aptitudes.

During the off hours of these tests comes time for environmental adjustment. Various tours and activities have been arranged supplementing your knowledge of the campus. Through these, new acquaintances will be made, some of which will endure throughout your college career.

Orientation chairman

Phil Johanknecht, junior in mechanical engineering, and Bill Sloat, soil science senior, have been appointed chairmen of the freshman orientation committee. These two students, with the unrestrained co-operation of every department, have presented a schedule for the new student. It will enable him to familiarize himself with the numerous activities and responsibilities ahead. This convenient program has been printed on the back page and should be followed to the "T" for each item has been thoroughly thought out and presented in such a manner that all departments will be introduced in sequence. Failure to conform with this schedule will only lead to confusion.

Competitive events will be held during the placement test period. The freshman dorms in which you'll stay have volleyball, touch football and various other sports. Each dorm competes with others for a perpetual trophy, which will be awarded at the "Smoker." Competition between dorms in singing is one of the decathlon events.

Two assemblies of great importance, the faculty assembly and "meet the president" assembly, will be held in the stadium. All students are requested to attend these as shown on the schedule.

(Continued on page eight)

LA Fair Sets 'Cal Poly Day'

"Cal Poly Day" at the Los Angeles County Fair is slated for Monday, Sept. 27.

Bob Stein, former Cal Poly agriculture student and now assistant public relations director of the Los Angeles County Fair, has worked out with college officials at both the San Luis Obispo and Moorpark campuses special activities designed to attract both Cal Poly alumni and students to the "most beautiful county fair in America" on Sept. 27. Special parking stickers which will put Cal Poly fairgoers together in a shaded, reserved parking area close to the Palace of Agriculture are being mailed to alumni association members in the southern California area.

Stickers Available

John Jones, placement officer and secretary of the alumni association, said, today that there also would be a limited number of reserved parking stickers publicizing "Cal Poly Day" available for students at the San Luis Obispo campus who would be in the Los Angeles area the weekend of Sept. 26-27.

Cal Poly will be represented at the Los Angeles County Fair at Pomona during the entire season, Sept. 17-Oct. 3. In addition to livestock being shown from both campuses, Cal Poly will have an exhibit in the Educational section in the Grandstand building. Registration for alumni attending the fair will be at this exhibit. The Moorpark campus Young Farmers are exhibiting in the Junior Exhibit building and the Kellogg unit will have Arabian horses at the Arabian barn and a 6-horse hitch of Percherons in Aisle 1 of the Horse barn.

McPhee to Speak

Final event honoring Cal Poly on Sept. 27 will be the seventh race featured as the "Cal Poly Handicap." Students at the southern campus will provide a floral blanket which President McPhee will present in the Winners Circle with the assistance of the queen of the fair. President McPhee will address the students of the Moorpark campus at an assembly Monday morning, Sept. 27, and will be the honored guest at the President's Reception held on that campus in the evening. Alumni in the area are invited to attend the reception.

Prexies Extend Greetings

Pres. Julian A. McPhee Says—

When a person moves to a new town or new community, he is often referred to by the old-timer as a "stranger." In some of the backwoods areas of the country the natives consider such a newcomer as a "foreigner."

Now, it is true that new students sometimes find college a "strange" place. They often find themselves unfamiliar with the customs and traditions of the "natives." New students will find this to be just as true at Cal Poly as at any other college.

But there is a big difference which I know all the new students will soon discover. No one is a "stranger" at Cal Poly. As soon as you become a Cal Poly student, you become a member of the Cal Poly "family." Your faculty members and your fellow students, whether they are seniors or sophomores, are anxious to make you feel right at home. If you need help of any kind, whether it is the direction to the dairy barn or the procedure for getting a loan, ask a faculty member or an older student—you'll find that Cal Poly's "friendly campus" is more than just a motto.

Both personally and on behalf of the faculty and student body I want to welcome you to Cal Poly and extend best wishes for your future success as a college student. I'll be looking forward to the opportunity of greeting all new students personally sometime in the next few weeks.

El and R Initiates Car Radio Repair

The Cal Poly radio service shop has gone modern with the initiation of a drive-in car radio repair service, says Clarence Radius, El and R department head.

Before the new system was started, car radios had to be taken out of the car and packed up to the old shop in the Ag Engineering building. Students and faculty members had to remove the radios themselves, but with the new location of the radio service shop in CUC some car radios can be serviced in the car (Continued on page four)

Pres. George Martin Says—

As future members of the Associated Student Body of California State Polytechnic college you will be given the rights and privileges of a member plus the obligations therein. A few of these obligations being: 1) a working knowledge of the ASB constitution; 2) awareness of campus issues; and 3) participation in the activities sponsored by the college.

In our extra-curricular program you will find both quality and quantity. When in your investigation of prospective clubs to join you find puzzling questions contact the club officers, advisor, activity officers or your student body officers.

Welcome to Cal Poly, your home for the next four years.

Audio Visual Aids Offer Pictorial View Of Subjects

The audio-visual aids department functions as a part of the college library but in a somewhat different manner, as its primary objective is to furnish material in the form of films, slides, graphics, film strips, tape and disc recordings, and poster charts, for group study as an aid to classroom instruction.

"Audio-visual aids serve to provide instructors with teaching tools in their classroom procedures and they definitely have their place in the instruction program," asserts John Hines, manager of the department. "They are a supplementary tool, providing a pictorial view of the subject, plus a verbal description of the subject as it is being viewed, which taken with the book study, classroom lectures, and field practice, provides a well rounded program of instruction," he says.

The equipment room, located on the first floor of the library, has a total of 680 motion picture films which cover nearly every subject taught at this college. A rental program is carried out which provides about 80 films weekly (Continued on page eight)



George Martin

Thirty-Four Added To Faculty Rolls

Thirty-four new instructors have been added to the staff of faculty members at Cal Poly, President Julian A. McPhee announced today.

Liberal arts division shows the greatest gain with 15 followed by engineering and agriculture with 12 and six respectively.

Those joining the Cal Poly faculty are as follows:

Liberal Arts—Education and psychology, Dan Chase; English and speech, Sydney Hobb, Edward Lautner, Miss Virginia Wilson, Robert Johnson, D. K. Adams, Leslie Andreini; mathematics, Elmo Stewart, Chet Young, Charles Hanks, Dr. Irving Gussman, H.V. Wilson, Charles Lasky; social sciences, Dominic Perella, J. D. Avery.

Engineering—Aeronautical engineering, Robert Rendell, W. J. Werbock; electrical engineering, Lincoln D. Jones, J. A. Peterson; machine shop, Leo Rogers; mechanical engineering, Benjamin Brown, W. E. Holts, Millard Potter; printing, Milan Staffel; radio and electronics, Jerry Dillon, Laveen Kunal; welding, Glenn Mosher.

Agriculture—Agricultural engi-

(Continued on page four)



Julian A. McPhee

Backward Glances For Old Polyites

Cal Poly has had its face lifted during the past summer. To bring the old students up-to-date and to familiarize the freshmen with the activities which have been going on or are in progress, a brief summary of some of the major changes is listed below.

The mechanical engineering lab and central heat and power distribution building is completed, which brings most of the ME facilities under one roof. A new CFR fuel test equipment has been installed in the building, plus a new dynamometer.

Building in Progress

The campus was rocked several times this summer by blasting operations for the foundations for the new Science building. Foundations are now being poured, and the building is ready for the structural steel girders.

The ornamental horticulture department has been on the move to the hill behind the Poly View trailers, after a site clearance was made.

President Julian A. McPhee announced the addition of over 80 new instructors to the faculty. T. J. Zilka, ME department head, left for a one-year teaching job in (Continued on page four)

Parking Facilities Are Outlined

Chief Security Officer Robert C. Krag announces, "that parking facilities for Cal Poly students will be 10 to 15 per cent greater than last year." Campus parking facilities last year accommodated over 850 cars.

"Both sides of the recently completed power house, located on the southeast side of the campus, will be used for parking," says Krag.

"All automobiles brought on the campus must be registered with the security department. When you register your car you are given a decal sticker which will allow you to park in certain areas on the campus. Without this sticker you are not authorized to park on the campus," he says.

Krag explains that the student must register each car brought on campus and must notify the security department of change of address, change of license number, or sale of the car.

All parking regulations are strictly enforced. It is necessary to provide parking space for everyone, to maintain traffic control and for the safety of all persons on the campus, he says.

The fee for the first citation is 50 cents, payable to the student body office, Room 26, administration building. Some violations, such as parking by fire hydrants and failing to make a boulevard stop, will cost \$1 for the first citation.

As soon as a citation becomes delinquent, records are attached at the recorder's office. A student cannot re-register, receive grades, or have transcripts sent to another school until the delinquent citation is cleared.

Student Body Cards Set At \$15; Breakdown Shown

Student body cards will cost \$15 for the school year 1954-55, states Harry Wineroth, graduate manager.

The cost will be broken down by quarters. Fall quarter cards will cost \$7.50, winter and spring, \$3.75. Wineroth says the price is higher during the opening season because of concentrated activities such as football, dances and other campus events.

It is mandatory that all students registering purchase a student body card, says Wineroth.

Many students ask why this fee is compulsory. Briefly, says Wineroth, money derived from the sale of cards pays the expenses of student body government and is utilized in this manner for the good of all students.

"With purchase of the cards, you are entitled to all rights, privileges and activities carried on by the associated students. You may vote in the elections, enter into competitive activities, attend athletic events free of charge (most of the time), and purchase theater tickets at the student rate.

"Just think," says Wineroth, "If you had to pay a dollar for admission to a football game and attended ten during the season, it would cost you \$10 or more than the price of the card for that quarter."

Telling her child a bedtime story a movie actress began: "There was a mama bear, a papa bear and a baby bear by a previous marriage."

Uranium Present In Local Area? Could Be!

Could you use \$10,000? That's what the government is paying for new "strikes" in uranium, says Erwin Woelfle, electronics student and retail representative for Precision Radiation Instruments, Inc.

"Rock Hound" Erwin started selling Geiger counters to help subsidize his education and expected new arrival to his family.

At first Erwin tried to build his own counters, but found that it was actually cheaper to buy a commercial unit. The line he carries includes the "Snooper," "Professional" and the "Lucky Strike" models, which have been adopted by the Atomic Energy commission. Erwin first became interested in the use of a Geiger counter while in the navy. He became an ardent "Rock Hound" also while in the navy. He is the member of the San Luis Gem and Rock society and he and his wife spend the week-ends tramping around the hills in San Luis Obispo county.

Besides the government's \$10,000 cash bonus for a worthwhile strike, Erwin says, richness of the ore adds to this bonus and a good strike may net \$35,000 plus the price of the ore yield. The government has already paid over \$2,000,000 in the first two years that the bonus has been offered. Erwin cites the example of Charlie Steen, 38, who owed \$300 for groceries when he stumbled across a \$40,000,000 vein of uranium.

In case of an atomic attack, a Geiger counter would be indispensable, points out Erwin, even if you don't hit pay dirt.

Geiger Counters detect radiation because the radiated particles and rays can cause a specially designed tube to ionize (break down) each time a particle or ray enters the tube. The Scintillation counter, through the use of special screens, converts the radiated particles and rays to light, which is then converted to an electrical impulses and amplified.

The operation of a Geiger counter is not as complicated as it might seem, explains Erwin. The models are economical to operate because of low battery drain which sometimes need replacing only every three months.

Some prospectors have attached the counters to their cars or airplanes and an extensive survey of

the United States is going on by air.

Usually the aerial prospectors use Scintillator, because of its greater sensitivity. Radioactive radiation strength is an inverse function of the distance squared from the source, explains Erwin.

Geiger counters detect only radioactive material, but vanadium, radium, gold, lead and other valuable metals are often found in association with uranium.

You don't have to be a geologist to discover uranium, the only tool you need is a counter, because the government through bulletins, tells the prospective prospectors where the best locations are to try for the radioactive deposits, says Erwin.

If you are going on a fishing trip or vacation to the mountains, take your counter. Who knows, next year you might be driving a Cadillac. Erwin does not say whether he has run across any good veins, but his silence seems to point out that he just might be on the trail of a strike.

Mustangs Decked Out In New Uniforms

The Mustangs will take the field in new uniforms this year. The jerseys are gold with green stripes on the sleeves.

The football team knows the Polyites will turn out for the games and help them produce the winning team students are looking for.

At Poly, football players regard school spirit and attendance at the games as the twelfth man on the field.

El and R Division Has Rapid Growth

With the very rapid growth of the electronic engineering department to rival animal husbandry in size, expanded facilities have been urgently needed.

Beginning this September, all electronic engineering freshmen will find CU D (Cubical D to the new student) as their laboratory headquarters. All summer long work has been underway to provide the furnishings and new equipment to handle nearly 200 freshmen who will be taking six hours per week of practical work in radio technology. This early training provides specific skills and a qualitative understanding of radio circuits, thus making the engineering courses of the third year understandable.

In line with Cal Poly's learning-by-doing or theory-to-practice transition, this new laboratory has one end specially designed and equipped to operate as a model service shop, fully equipped to handle all types of radio repair with special provision for auto radio maintenance. Television servicing is related to sophomore course work and is handled in Room 217 of the Ag Ed building where the main labs of the department are located.

These shops handle the sale of parts and services to Cal Poly students and employees, and are operated by students of the department under the California Polytechnic foundation, a non-profit college corporation which handles all forms of sales and services rendered by the various departments.

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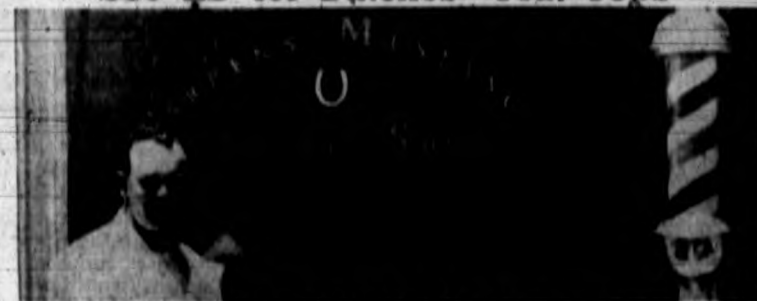
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Mustangs Point for Third Straight 2C2A Win



SWIVEL-HIPPED SPEEDSTER . . . Perry Jeter, elusive halfback with last year's championship Mustang team, will be showing his stuff when the locals quare away against San Diego Marines Sept. 18 in Poly stadium. (Photo by Jim Dearing)



TOUGH TANDEM . . . Guards Joe Bosnich, left, and Vic Buccola will spell plenty of trouble for opposing linemen this coming season. Both players were standouts at their positions with the 1953 2C2A conference champs.

Grid Season Underway; 49 Mustangs Turn Out

Forty-nine prospective football players will respond to head football coach Leroy Hughes' call, Aug. 31 when uniforms will be issued. Practice sessions will continue until school starts. The team will scrimmage Saturday, beginning at 9:30 to 11 a. m. and 3 to 5 p. m. Two-a-day practice sessions will continue until school starts. The team will scrimmage Sept. 4 under the watchful eyes of some 60 Pacific Coast Conference officials, who will be meeting on campus. Cal Poly fans will get a look at the Mustangs in action Sept. 18 when Poly stadium is invaded by the San Diego Marines. The Mustangs will be seeking their third straight CCAA conference championship.

The Mustangs last year were the highest scoring team in the nation, compiling 306 points to their opponents 48.

With 20 returning lettermen and a host of high school junior college hopefuls, the 1954 football season looks bright.

However, coach Hughes will have a tough job trying to replace men like halfback Alex Bravo, fullback Bob Lawson and Little All-American center Stan Sheriff. Bravo and Sheriff were drafted by the Los Angeles Rams and Lawson was picked by the world champion Detroit Lions.

Assistant coach Sheldon Harden will put the boys through conditioning drills beginning Sept. 1. Coach Harden will have 11 ends from which to pick his starters for the games.

Assistant coach Howie O'Daniel will put the linemen through drills and will have five centers, eight guards, and 10 tackles to get ready for the season-opener.

All Veterans
The prospective first eleven lists a complete squad of lettermen and in some cases are backed up by veteran reserves.

Clive Remund may get the starting call at center. Clive is a San Luis Obispo boy and was prep All-American in 1951. He lettered at Cal Poly in 1952 but injured his ankle and did not return last year. Position-by-position run down follows:

At left guard, Vic Buccola. Three-year lettermen at Poly, Vic was little All-Coast first team in '53, second team in '52, All CCAA in '51, '52 '53. He was first team All-Southern California small college in '53.

Joe Bosnich will be right guard. Bosnich is a three year letterman. He was Little All-Coast honorable mention in '53; honorable All-CCAA in '53; third team All-Southern small college in '53.

Dick Mathias may get the call at left tackle. Mathias plays guard or tackle. He has been used as "utility" in past seasons.

Bob Heaston will start at right tackle. Heaston was All-Coast honorable mention in '53, All-CCAA honorable mention, '53.

Bud Chadwick will be at left end. Chadwick was Little All-Coast honorable mention in '53; All-CCAA honorable mention; second team All-Southern California, small college.

At Moriarity or Jim Cox will be at right end. Moriarity lettered in '53, played prep football in New York. Cox is a transfer from Antelope Valley JC where he was an All-Southern California Junior college end in '53.

Neal Calling
The talented Bobby Neal will be at quarterback. Neal has played three outstanding years at Poly. He was honorable mention All-CCAA in '53; honorable mention All-Southern California small college in '53. Ready for his fourth year as Mustang quarterback, Neal has developed the poise that comes with experience.

Perry Jeter, little All-American from San Bernardino JC, will be at the left halfback spot. Jeter, last year with the Mustangs, scored 80 points. He is regarded by the Poly fans as the finest halfback in California. With his fantastic change-of-pace, he should have another tremendous season.

Thad Murrin, a highly regarded back will be at right halfback. Murrin averaged six yards per carry last year. Murrin should have a successful season.

Marion Anich may be at fullback. Anich lettered in '52, and was not in school in the '53 season. Anich is a superb line-backer and a good blocker. He might fill the shoes of Poly's Bob Lawson very well.

With 10 games scheduled, Poly's season looks tough. The Mustangs will travel to Abilene, Tex., Salem, Ore., Santa Barbara, Fresno and Los Angeles. Home games will be the San Diego Marines, San Diego State, San Francisco State, Humboldt State and Colorado Western.



BOBBY NEAL



DICK MATHIAS



THAD MURRIN



AL MORIARITY



BUD CHADWICK



BOB HEASTON

Four-Game Fresh Football Slate Announced By Hughes

A four game Cal Poly freshman football schedule has been announced by Leroy Hughes, athletic director.

Hughes states one more is being sought to round out the freshman campaign.

Fresh Coach Tom Lee estimates close to 40 former high school grid-ders are expected to report Sept. 7 for fall grid drills. The freshmen will work with the varsity until the start of classes.

The schedule:

Sept. 24 Santa Maria Junior college at Santa Maria, 8 p.m.

Oct. 2 College of Sequoias at Visalia, 8 p.m.

Nov. 5 Hartnell college at Salinas, 8 p.m.

Nov. 12 Coalinga Junior college at Coalinga, 8 p.m.

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Calendar—Fall Quarter

(All Dates Inclusive)

Monday, Sept. 13—Beginning of Academic Year (Faculty Only)
 Wednesday, Sept. 15—Testing of new students
 Friday, Sept. 17—Arrival date for new students previously tested
 Saturday, Sept. 18—Registration and scheduling of new students
 Monday, Sept. 20—Registration and scheduling of old students
 Tuesday, Sept. 21—Classes begin for all students
 Tuesday, Sept. 28—Last day to enroll for Fall Quarter
 Last day to return registration books
 Last day to add courses
 Tuesday, Oct. 12—Last day classes may be dropped without penalty
 Saturday, Oct. 16—Homecoming
 Oct. 25-30—Mid-Term Examinations
 Thursday, Nov. 11—Armistice Day—Academic Holiday
 Nov. 24-27—Thanksgiving—Academic Holiday
 Saturday, Dec. 4—Pre-scheduling for Winter Quarter
 Monday-Friday, Dec. 6-10—Final Examinations
 Dec. 13-Jan. 2—Christmas—Academic Holiday

Campus Postoffice Plays Vital Role

Freshmen at Cal Poly will receive extra dollars from dad or a letter from a "special someone" at a school-owned post office prepared to serve an expected enrollment of 2700 students, says Phillip McMillan, head postmaster.

McMillan emphasized his up-to-date mail system by pointing out the 1950 mail boxes that form the two side walls of his office. He and Margaret Hoyt, his assistant, expect to handle 1500 letters from across the nation and abroad daily plus 400 pieces of second and third class mail. He estimated his stamp and money order sales will total close to \$2000 each month.

During the summer months, a new campus mail system was established. Don Williams, postal messenger, now delivers the administrative and faculty correspondence. Williams travels ten miles

during his morning and afternoon deliveries at 48 campus offices.

McMillan stressed the importance of a box number on mail addressed to students for faster distribution. He added that it is advisable to check the mail box at least once each day as many freshmen will be receiving government subsistence, administrative notices or other important mail.

The post office is located near the central part of the campus. Mail delivery and pickup is twice daily with the sales window open for periods of two hours each.

McMillan has been postmaster since 1948. He said it wasn't any mental feat to know two thirds of the students on the campus.

"I've seen the boys come in as freshmen and leave as seniors," he said.



SHE FLIES! ... Cal Poly's old students returning to take up their burdens fall quarter will do a "double take" when they look for the familiar Curtiss Commando. The old "war-weary," a landmark on the campus since 1947, was sold to a private concern last July, and after some "skin" had been replaced and miscellaneous bird nests removed was flown off the airstrip without event. (Photo by Jim Dearinger)

1954 Football Schedule

Sept. 13	— San Diego Marines at San Luis Obispo, 8 p.m.
Sept. 25	— Willamette University at Salem, Ore., 2 p.m.
Oct. 2	— San Diego State at San Luis Obispo, 8 p.m.
Oct. 9	— Santa Barbara College at Santa Barbara, 8 p.m.
Oct. 16	— San Francisco State at San Luis Obispo, 8 p.m.
Oct. 23	— McMurry College at Abilene, Texas, 8 p.m.
Nov. 6	— Fresno State at Fresno, 8 p.m.
Nov. 13	— Los Angeles State at Los Angeles, 8 p.m.
Nov. 20	— Humboldt State at San Luis Obispo, 8 p.m.
Nov. 27	— Colorado Western at San Luis Obispo, 8 p.m.

Bookstore Gets Face Lifted; Self-Service Features 'New Look'

Hi, man, this is the most! Your book store, El Corral, has recently been modernized to make it completely self service and eliminate the long lines that form when students buy books.

Sounds good, doesn't it? When you enter the store you will find shelves provided for any books you are carrying. After placing books in these shelves you enter the display area through the turnstile. Now you select your books and supplies and pay the cashier as you leave through the check stands.

All books are stacked according to your major and under this they are broken down according to course number. Everything is marked, you'll have no trouble. "This system has been tried with great success by other colleges," says Harry Winoroth, student store manager.

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CLEARPRINT PAPERS:

by the pad, sheet or roll.

This store is geared to service your requirements with trained personnel and in a friendly manner.

Backward Glances—

(Continued from page one)
 Pakistan. Dr. Glenn Noble, bio science department head, returned to Poly after a one-year teaching assignment in the Philippines. Both men were recipients of Fulbright awards.

Poly was host again to the physical education men's and women's workshops.

Commando Missing
 Old landmark, C-46 Curtiss Commando was purchased and flown off Poly's airstrip to be put back in to commercial service. The aero department received a 800 m.p.h. wind tunnel from Point Mugu.

The first link in the new audio and communications cable was laid between the central audio distribution center in the Library and the new ME lab.

The El Corral has a new system, tried out this summer. It has gone self-service.

General Douglas MacArthur will sponsor bio science student, Dr. Masateru Fukamachi through Columbia university.

Point Four students attended summer session from all over the globe. Poly got one more woman teacher in the person of Miss Virginia Wilson, who will be in the English department.

New Teachers Appointed—

(Continued from page one)
 neering, J. L. Reid; animal husbandry, Darren Nelson, Harry McLachlin; dairy and dairy manufacturing, D. McGlasson; soils, Lisle Green; feed mill, J. E. Walker.

Captain Earle Fletcher has been named to succeed Major Howard Braunstein as instructor in military science and tactics.

Car Radio Repairs—

(Continued from page one)
 drive-in service lot between CU C and CU D, says Radius.

Another reason for the electronic department moving in to the CU C was the need for more classroom facilities with the increased enrollment this fall. The rear of CU C has already been wired as a lab and classroom, says Radius.

Typical of man's genius is the way he develops a bomb designed to drive us into the cellar about the time he starts building homes without any cellars.
 Hemet, Calif., News

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A Welcome To New Poly Men

Cal Poly was founded by a state legislative act which defined purpose of the school as "to furnish to young people of both sexes mental and manual training in the arts and sciences, including agriculture, mechanics, engineering, business methods, domestic economy, and such other branches as will fit the students for the nonprofessional walks of life."

Under the name of the California Polytechnic School, Poly opened its doors to students for the first time October 1, 1908. When the cornerstone for the administration building was laid on January 31 of that year, the road to the campus was a wagon track through a muddy field. On the opening day the main building was not completed and the debris left by the builders had not been cleared from the dormitory. Nevertheless, director and Mrs. Leroy Anderson moved into the dormitory and called together the three faculty members and 15 students in the unfinished parlor of the building.

In 1921 it was found necessary and desirable to raise the level of instruction to that of a junior college. In 1929, enrollment of new students was limited to men. In 1938 the institution was changed from a junior college to a two-year technical college, offering terminal instruction in agricultural and industrial fields. A third year of terminal instruction was added in 1938 and, in 1940, a fourth year, and the college was authorized by the State Board of Education to grant the bachelor of science degree. First baccalaureate exercises were held in 1942.

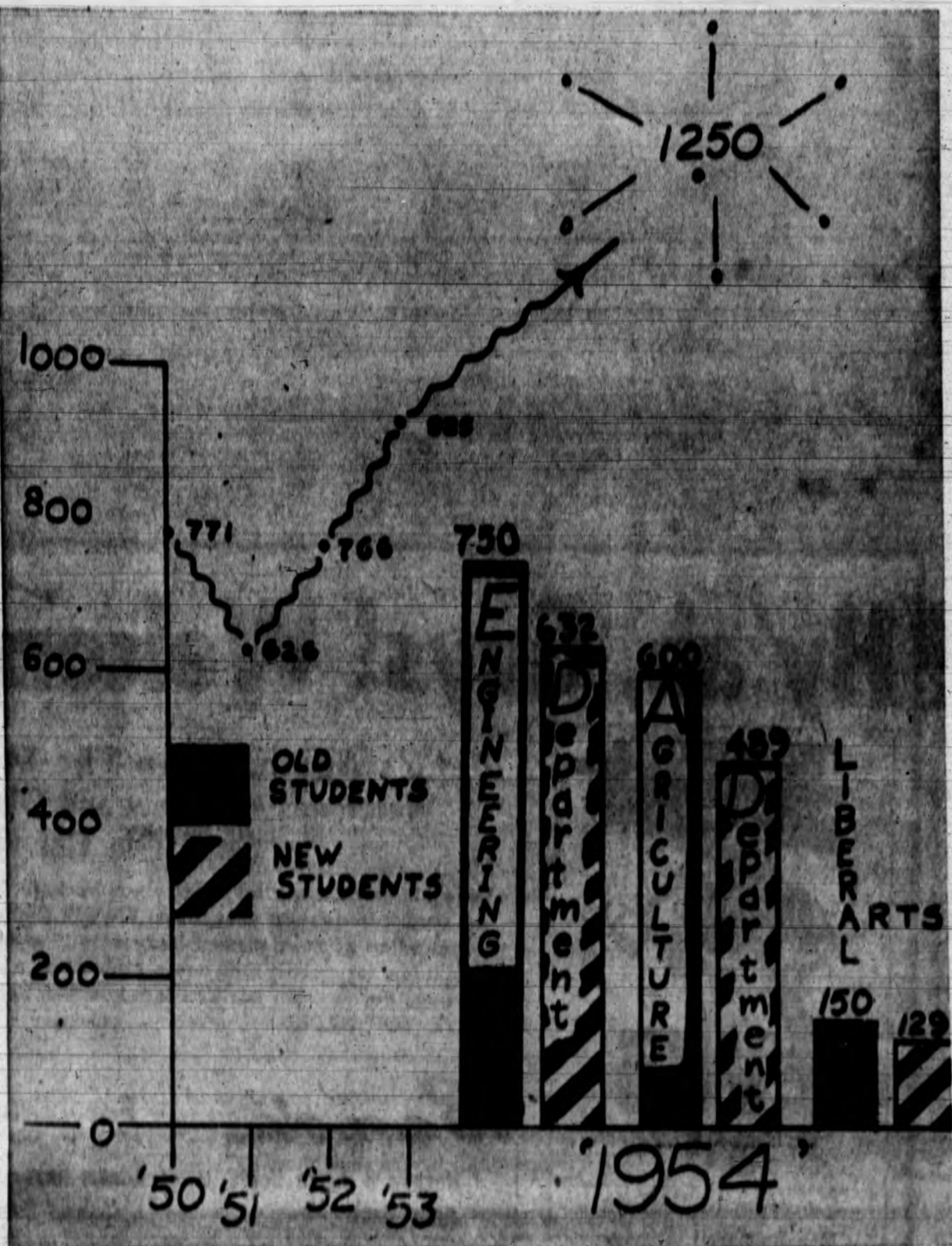
Cal Poly, with its famous "learn-by-doing" approach, last year served 2,250 students of whom 987 were in agriculture, 1,039 in engineering and 423 in liberal arts. The enrollment represented 83 per cent from 58 California counties, 8.7 per cent from 22 other states and 7.9 per cent from 31 territories and foreign countries.

Cal Poly's system of student government is one that controls a wide range of campus activities. Four boards of control operate the college-wide activities--athletics, music, publications, and Poly Royal, two-day open house staged by students in the spring of the year.

Poly Royal features work and facilities of the college departments, a country fair carnival, barbecue, stock-judging contests, intercollegiate rodeo and many other attractions. Poly Royal annually attracts thousands of visitors to San Luis Obispo.

You, the new student, have been made aware of some of the past history and the present philosophy of Cal Poly. During the next four years, your school will continue to grow to meet the demands of ever-increasing enrollment. Your first year will mark completion of the \$2,000,000 science building; the beginning of your third year will probably see Cal Poly a coeducational institution.

Five Year Growth Chart Of Cal Poly



PROGRESS CHART . . . Bar graph shows the relationship of the new to old students in each of Poly's three main divisions. Wavy line indicates new enrollment figures to include the past four years. Graph was designed and drawn by Russ Phares, freshman agricultural journalism major.

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Thumbs Up — — Thumbs Down

Dear Editor:

If you freshmen are looking for an extra unit or two to fill out your program card and want to learn something of the "goings on" inside Poly, why not try a course in journalism? For the past four or five years I have been going around the campus pursuing a course in aeronautical engineering, knowing or caring little of what went on in other departments around me, until I decided to try reporting.

I more or less cringed at the thought of seeing a dean or of talking to anyone in a high-level position, but not now. In the past four weeks I have had the opportunity to go into the inner sanctums and come out with a story and find people behind these desks just people like you or me. They are not here to scare or force students to take some subject which disagrees with them, but mainly to aid and assist in keeping Poly's standard of education above par.

The journalism instructors send you out on leads that usually turn out to have interest to both students and faculty, and you learn to make your way all over the campus without stepping on too many toes. You get the chance to meet your instructors on an informal basis, as to get a story on his interesting or different hobby or pastime.

If you want to get a head start on your classmates and find out what makes Poly "tick", why not try journalism? You will find the key that opens many a door by saying, "I am from the El Mustang and would like to interview you for a story." Why not try it? I did.

Bill Chabot

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Cafeteria Staffers Make Preparations For 2,700 Students

Lloyd Bertram, cafeteria operation supervisor, and his staff are now preparing to feed an estimated 2,700 students a day in the fall term.

"Our goal," announced Bertram, "is to provide better food and more efficient service."

Meals Staggered

Bertram announces that through a new system of staggering meal hours they will be able to provide longer and more convenient eating periods. For instance, between the two cafeterias there will be a two hour breakfast period between 6:30 and 8:30, a two hour lunch from 11:30 to 1:30 and a two hour dinner from 5:00 to 7:00. Bertram predicts that by having longer eating periods he will be able to eliminate the jam up at each meal thus making it possible to provide faster and more efficient service. There should be less time wasted waiting in long chow lines.

Cafeteria No. 2 has just been painted and new drapes have been hung. Also to add to the pleasant atmosphere music will be pro-

vided during the meals with a varied program being planned.

Service In Dorms

For the convenience of the students, plastic glasses and wooden spoons will be provided for every dormitory room. In this way Bertram hopes to prevent another loss of an estimated \$3,000 worth of utensils suffered by the foundation last year. "It is like taking steaks out of your own mouths," comments Bertram.

Meal tickets will again be \$85. This sum will buy three meals a day for 43 days. A leeway is thus provided for those students who will eat some of their meals off campus.

Breakfast will be served with all the items priced individually with the student having a choice. Lunch and dinner will be purchased at a set price of 65 cents and 80 cents. However if the student wishes he can skip the entree and purchase a cheaper meal of just vegetables, potatoes, and dessert. Milk will come with each meal and will be served in a 9 1/4 oz glass. Extra milk will be five cents.

Six-day Service

Cafeteria No. 1 will be open six days a week. It will be closed Saturday. Sunday breakfast will be served between the hours of 8:00 and 9:00, with lunch from 11:30 to 1:30. Monday through Friday breakfast will be 7:00 to 8:30, lunch 11:30 to 1:00 and dinner 5:30 to 7:00.

Cafeteria No. 2 will be open Monday through Saturday. Breakfast will be served 6:30 to 8:00, lunch 11:30 to 1:30 and dinner 5:00 to 6:30.

For the information of the freshmen cafeteria No. 1 is located across the street from the football field and No. 2 is next to the freshmen dormitories.

SMITH NOT RETURNING

Word has been received that Bill Smith, named chairman of the music board last spring, will not be returning to Poly for fall quarter. A successor will be chosen by the music board at their first regular session.

'47 Poly Grad Receives Wisconsin Fellowship

Leon Garolan, Cal Poly graduate of 1947, was a recent campus visitor bearing news that he has been granted a fellowship from the University of Wisconsin.

Graduate of Fowler High school, Garolan will study for his master of science degree in county extension administration and agriculture economics. While at Cal Poly he was editor of El Mustang and president of the student body.

For seven years he has been county agent at Clackamas County, Ore., and a member of the faculty at Oregon State college. Recently honored in an editorial by the Oregon City Enterprise courier, he was therein rated an authority in his profession and hailed for his work in horticulture in Clackamas county.

The former Cal Poly student married a San Luis Obispo girl, the daughter of Mr. and Mrs. John C. Ritter, 626 Branch street. They have two children.

ME Division Slates Move To New Power Building

After 52 years, the mechanical engineering department moves into a new lab, says J. O. Richardson, acting head of the M.E. department.

The old power house and M.E. lab was built in 1902 and has stood up remarkably, considering that it was of wood frame construction and was in continuous use, but with the start of the fall, classes will be held in the new laboratory and central power distribution plant, says Richardson.

The new building provides over five times the number of lab desks and can house all equipment under one roof, plus room for expansion. Before the completion of the new lab, the department had its facilities distributed all over the campus, with the fluid flow lab next to the machine shop, the strength lab across from the ag mechanics building and the M.E. lab in the power house, says Richardson.

Besides getting a new building, the M.E. department has obtained a CFR fuel tester, and a dynamometer, and has three more dynamometers on the budget, says Richardson.

The building is brightly lighted with sodium vapor lamps in the main lab and fluorescent lights in the classrooms. The classrooms have pink "black boards" which blend in with the color (red, green and chartreuse) interior decorations.

The steam heat for the campus will be supplied by the new boilers in the central heating and power distribution wing and the building will also be connected to the central communication sound system.

Richardson says M.E. students have the best opportunity there has been to succeed, if facilities mean anything. The freshman have a chance to add their bit to the department because part of their job will be the installation and checking of the equipment, which they will run for the first time, says Richardson.

A famed film beauty applying for a visa came to the blank: "Single — Married — Divorced —" She hesitated a moment, then wrote "Everything." The American Weekly

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Poly Health Center Gives Students Medical Protection

The principal problem in operating the health center is impressing upon students the importance of going on sick call immediately after an ailment is noticed. Thus says Dr. E. D. Lovett, chief health officer at Poly's health center.

Dr. Lovett says too many students wait until an ailment is in an advanced stage before going to the health center. The student loses time in his studies because of treatments and sometimes has to withdraw from school and return to his home for recuperation. This could be prevented if the illness had been reported in its early stages.

Sick call hours are from 8:00 to 10:00 a.m. and 3:00 to 4:00 p.m., Monday through Friday with emergency treatment given at all times.

Goal of the health center staff is to keep the students in the best possible health at all times. To accomplish this goal a complete physical examination is given to each new student entering Poly.

In addition to the physical check-up, each student is immunized against tetanus, vaccinated for influenza and given a chest X-ray if there is any tuberculosis in the student's family history. A poison oak susceptibility test is given, with treatment offered in cases where an allergy is found.

During the fall quarter, a hearing test will be given to all members of the faculty and student body. The entire campus population will receive a chest X-ray during the winter quarter registration.

The health center is recognized as a hospital by the American Medical Association. It has a 14-bed ward and isolation case rooms. The staff includes two full time physicians, a consulting panel of specialists, two full time nurses, a technician in charge of the laboratory and X-ray facility, and three student assistants.

Not long ago several thousand thick Manhattan telephone books were shipped to a Central American banana firm, which used them to bulletproof its payroll trucks. The Saturday Evening Post

Scholarship Grants Are Awarded To Martin, Strong



RICHARD MARTIN



RAY STRONG

Cal Poly is one of the eleven colleges and universities between Seattle and San Diego to receive the WCEMA (West Coast Electronic Mfg. association) scholarships. The grant to Cal Poly has been doubled this year to provide two scholarships.

Complete pre-engineering tests were taken by over 50 high school graduates throughout the state. Based on the results of this test, the high school record and vocational interest, scholarships were awarded to Richard Martin of Sacramento who graduated from El Camino high school and to Raymond Strong of Orem who is from Santa Maria high school.

Both recipients were guests of honor together with Harold Hayes, dean of engineering, and Clarence Radius, head of electronic engineering at an all-industry luncheon at the Ambassador hotel in Los Angeles on Aug. 27. This luncheon was part of the electronic industries convention.

These scholarships are granted to encourage capable young men to go into electronic engineering. Because of the tremendous growth of electronics in both civilian and military activities, the limiting factor today is technically trained manpower.

Cal Poly's electronic engineering department is growing with the industry of the west and is one of the largest suppliers of trained technicians.

Chandler Explains Poly Housing To New Students

Cal Poly has three types of housing on campus, says dean of students Everett M. Chandler.

There are provisions for the younger freshmen students in one area in which extra effort is made in terms of adjustment to college life. There are the upper class dormitories and there is a limited amount of housing for married students, states Chandler.

In addition, he says, the college has this year made a survey and conducted inspections of housing in the community. As a result of these inspections, standards have been adopted for satisfactory housing. These standards encompass not only the usual safety and environmental factors but also include those elements which make housing acceptable to student living. In contrast to past years, when army camps in the San Luis Obispo area were operating, considerable housing for students is available in the community.

In its housing program, Chandler adds, the college pays particular attention to the problems of younger freshman students, for in many instances, the men must make an adjustment to living away from home in a strange community for the first time. While practically all men adjust satisfactorily, there is a short period of adaptation required.

Throughout the year, students who are living off campus usually find an opportunity to move on campus if they desire to do so as openings in dormitories occur.

Cal Poly Men Work On Science Bldg.

Several of the foreign students are putting a solid foundation under their education, says Harry Overland, superintendent for the Maino Construction company.

Overland, who is in charge of the construction of the new Science building, has hired three Cal Poly foreign students to finish off the bottoms of the caisson holes before the concrete is poured. Some of the caisson holes extend over 40 feet below the ground level, and the only way they can be cleaned up is to lower a man on a rope equipped with a shovel, a bucket and some heave-ho, says Overland.

The holes were dug with a rotary earth auger, which does not flare out the bottom of the hole, and it is the job of the digger to make a mushroomed hole at the bottom of the caisson.

Before a digger is allowed to go into the hole, an inspector is lowered to make sure there is no chance of a cave-in, says Overland.

Pilot Finds 'Old Friend' Commando

An interesting sidelight that was overlooked in the story of the C-46's takeoff from the Poly airstrip was that the pilot, Jack Talkington of Long Beach, found an old friend in the hangar at Poly.

The first plane that Talkington owned, a Bunn "Pup," still bears the same insignia he had painted on the ship back in 1937. Since then, Talkington has racked up over 6,000 hours in the air and was well qualified to take the "Commando" off, because 1,800 flying hours were spent in C-46's.

Talkington says he doesn't know how the plane finally ended up at Poly, but he often wondered what had become of it.

Talkington was available to fly the C-46 for Ben Wedfeldt, because of the recent strike of the airline pilots. Now that the strike is settled, he goes back to his job flying for the Flying Tigers airways.

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Frosh Orientation Schedule

Tuesday — September 14.
 Arrive, get settled in dorms, medical examinations.
 6:30 p.m.—7:15 p.m. Dorm Meetings—Dormitories
 7:30 p.m.—10:00 p.m. Gym and Pool Open for Recreation
 7:00 a.m.—10:30 p.m. El Corral Open

Wednesday — September 15.
 Placement tests and medical examinations.
 4:30 p.m.—5:30 p.m. Volley Ball Games—Frosh Dorm Courts
 6:30 p.m.—7:15 p.m. Dorm Meetings
 7:30 p.m.—10:00 p.m. Gym and Pool Open—Movies in Eng. Aud.
 7:00 a.m.—10:30 p.m. El Corral Open

Thursday — September 16.
 Placement tests and medical examinations.
 4:30 p.m.—5:30 p.m. Softball Game—Practice Field
 6:00 p.m.—7:30 p.m. Meet the Faculty Dinner—Stadium
 7:30 p.m.—10:00 p.m. Gym and Pool Open—Movies in Eng. Aud.
 7:00 a.m.—10:30 p.m. El Corral Open

Friday — September 17.
 9:00 a.m.—10:00 a.m. Meet the President Assembly—Stadium
 10:00 a.m.—11:00 a.m. Division Assemblies—To be Announced
 11:00 a.m.—12:00 a.m. Department Tours
 1:00 p.m.—5:00 p.m. Campus Tours
 4:15 p.m.—5:15 p.m. Football Games—Practice Field
 6:15 p.m.—7:15 p.m. Dorm Meetings
 7:30 p.m.—9:30 p.m. Smoker—Gymnasium
 7:30 a.m.—10:30 p.m. El Corral Open

Saturday — September 18.
 8:00 a.m.—12:00 a.m. Registration
 9:00 a.m.—12:00 a.m. Student Wives Tour
 1:00 p.m.—4:00 p.m. Scheduling of Classes
 8:00 p.m.—10:00 p.m. Football—Cal Poly vs. San Diego Marines
 10:00 p.m.—1:00 p.m. Dance—Gym

Sunday — September 19.
 Transportation to church—schedule to be announced
 1:00 p.m.—6:00 p.m. Beach Party—Avila

Monday — September 20.
 9:00 a.m.—10:00 a.m. Orientation Assembly—Stadium
 1:00 p.m.—2:00 p.m. Class Meeting
 1:00 p.m.—3:00 p.m. Transfer Student Meeting
 2:00 p.m.—3:00 p.m. Club Displays—Outside Stadium
 3:00 p.m.—6:30 p.m. All-Campus Barbeque Poly Grove
 7:30 p.m.—10:00 p.m. Gym and Pool Open
 7:00 a.m.—10:30 p.m. El Corral Open

Tuesday — September 21.
 Classes Start for all Students

Library Plays Important Part In Students' Academic Habits

Walter Dexter Memorial library is ideally located to serve its prime purpose of bringing together the student and the material he needs for classwork.

The library is staffed with a group of competent librarians who are willing and eager to lend assistance to the student in finding the exact type of material or books he desires.

"We are equipped to house 100,000 books and are striving to reach that number as soon as possible," says Francis S. Allen, head librarian. He estimates that approximately 40,000 volumes are on file at present and annual receipts of about 7,000 new books are about the present average. The 100,000 volume capacity should be reached within the next eight years, he says.

Complex System

Much behind-the-scenes action takes place in the procuring of books for a college library. The average person rarely takes time to consider all that took place prior to the time the book was placed on the shelf, available for use. They are merely confident that the type of book they want will be there when they go to the library to draw it out.

A brief summary of the path of progress of a book prior to the time it reaches the book shelf might help to gain a little more appreciation from the reader. The first step is taken by the order librarian after it has been ascertained that a certain book is desired. He places an order for the book with some publishing concern that handles the

book and keeps a check to see that it arrives in due time after the order has been made. When the book arrives and the order librarian has checked his records as having received the exact book ordered, he turns the book over to the catalog librarian. The book will then be catalogued, carded, indexed, and prepared for placing on the shelf. It is then turned over to the circulation librarian, who places the book in the "New Books" shelf rack in the main reading room. After it has remained there for a short period of time it then goes to the regular library shelf in the section according to subject content.

Important Aid

The library is of utmost importance to a student during his years of college life and the more use he makes of it the better student he is likely to be. It follows therefore that he should be thoroughly familiar and conversant with all phases of the inner workings of the library. For his classwork, his research, references, bibliography, etc., he will need to know fully the principle of the Dewey decimal system, the uses of the loan department, the reserve book department, reference department, periodical department, documents department, and the inter-library loan service. Each of these departments play an important part in supplying the student with the information sought.

Simple Catalog

The card catalog, conveniently placed in the foyer at the entrance to the library, is simple to operate and makes it easy for the student to find the location of the book of his choice. The card system is cross referenced in three different ways, by author, title, and subject. By first making use of the card catalog and finding the number location of the book, the student can immediately go to the space where the book is filed, without having to solicit the aid of the busy librarian to find the book that could easily have been found by the student by a small amount of effort and common sense. At any time the student can't find the book, the librarian will be glad to make an all-out effort to locate it for him. If the book is not available, and is considered worthwhile, it will either be ordered or rented from an outside source. A fairly large number of books are rented from the state library in Sacramento and from the library at the University of California, at Berkeley.

New books are constantly arriving at the library and placed on the shelf assigned for the New Books feature in the main reading room of the library. It would be advisable to make routine checks through these books to keep aware of the new books available and possibly find a book ideally suited for the individual's needs.

Welcome, Mustangs—

(Continued from page one)

On Sept. 18, the Mustangs will host the San Diego Marines. This is the first game of the year so turn out and support the team. After the game the first dance of the year will be held in Crandall gym. Everyone is invited, so take it in.

Once settled in your new home, club interests will probably present themselves. Undoubtedly your club interests will be one of the following: service clubs, social clubs, or department clubs. These should be inspected by all new students for no matter what your interest, there's a club for you.

Approximately 70 committees and clubs exist on the Poly campus. Student affairs committees, department and vocational clubs, honor clubs and hobby clubs constitute a small percentage of these. Department club meetings are held on Thursday nights while all campus meetings are held on Wednesday evenings.

"Big Brothers"

Student body leaders George Martin, president; Dick Johnson, vice-president; and Charles Anderson, secretary, will be playing "big brothers" as they help you through this coming year. Suggestions and participation of every student will be encouraged by them.

Division deans Harold Hayes, engineering; Vard Shepard, agriculture; and Robert Mauer, liberal arts, are never too busy when advice is needed.

Probably the first thing to attract your attention will be a huge white Poly "P" on either side of the valley. Every year after the first football win, freshmen make a journey to these and paint them. This may be the first attraction but not the last for Cal Poly straddles over 8000 acres or nearly five square miles.

There is a season for everything around this campus so mark your calendar well ahead. Numerous football games and dances sponge up part of your excess time while club meetings and working eat away the rest. All activity will be put aside when Poly Royal comes along. Poly Royal "the country fair on a college campus," will be held April 30, May 1 next year and remember that you will be a Mustang representative to thousands of visitors.

Audio Visual Aids—
 (Continued from page one)
 from other sources over the countryside.

A constant material gathering program exists in the form of taking pictures, developing films, classifying, titling, and recording films, slides, tape recordings, by the audio-visual aids department, instructors, and individuals interested in the work.

"Audio-visual aids are not a complete means within themselves, but are a valuable and proven tool in the hands of the instructor, used in relation with his other means of instructing," says Hines.

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