

Mustangs Greet Royal Court



CALIFORNIA STATE POLYTECHNIC COLLEGE ★

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SAN LUIS OBISPO, CALIFORNIA

APRIL 30, 1954



ROYALTY PRESIDES . . . These lovelies are just what every all-male campus needs occasionally to bolster student morale. From left: Mimi Shahrivar, Carol Ekgren, Queen Mary Medlock, Penny Cohen and Susan Babcock. Mary, Mimi and Penny are Los Angeles State college co-eds. Carol attends San Luis Obispo High school while Susan is a student of the junior college. Queen Mary and her court will reign over the Poly Royal Carnival today and tomorrow, climaxing with tomorrow night's Coronation Ball. (Photo by Gordon Beach)

Visitors Head Toward Cal Poly Campus

By John Mette

Another spoke for Cal Poly's wheel of progress went into its final molding this morning, as nearly 2,000 green and gold Mustangs rolled out the welcome carpet for Poly Royal visitors.

Arrival, late yesterday, of charming Queen Medlock, Los Angeles State college coed, turned the almost fervent atmosphere on campus into a gala fair spirit.

With Queen Mary were Penny Cohen and Mimi Shahrivar, also of Los Angeles State and Carol Ekgren and Susan Babcock, from the local high school and junior college. For two days Cal Poly has borrowed five of the loveliest to become coeducational.

Students Labor

Students worked through the night and only at early dawn today applied the final touches to their displays. Aggies, engineers and liberal arts majors worked side by side, as if they felt the watchful eye of Queen Mary overseeing their proceedings.

Poly Royal is stimulated, this year, with renewed efforts to revert back to the diminishing "real country fair spirit." In 37 major departments educational wares are displayed on a new platter, dotted with vigorous coloring, speckled with audience participation and laced with a thorough informative program.

This morning's opening assembly, featuring numerous first-time highlights, set the pace for bigger things to come later in the two-day show.

Varian Honored

Awarding of Alumni association honors to Sigurd Varian, outstanding alum of the year, recalled Cal Poly's yesterday and indicated the successfulness of alumni. Varian, who with his brother did extensive research in the scientific field, discovered the Klystron tube, the basis of radar. From Malvern, near Arroyo Grande, Varian now resides in Menlo Park.

Dr. Roy E. Simpson, state superintendent of public instruction, occupied the other official guest chair and participated in the overall opening program.

Penguins Perform

Today's loaded schedule features a motorcycle circus, performed by members of the college's motorcycle organization, the Penguins. Their shenanigans have been popular features of past Poly Royals and are what Poly Royal board members call a "real crowd pleaser."

Later this afternoon the baseball game between the Cal Poly Mustangs and St. Mary's, plus the special American Broadcasting company's star review in the stadium, should prove to be events of special merit.

Coupled with the exhibits, open all day Friday and Saturday, the traditional contests—ladies' nail driving, livestock judging, cheese and poultry judging, etc.—are interspersed in the program.

Special Barbecue

Saturday is sparked by the special western-style barbecue named

(Continued on page 8)

Royalty Presides Over Poly Royal, 20 of Past 22 Years

By Dick Van Brackle

Only twice in the twenty-two year history of Poly Royal, has a queen not been selected to rule over the Mustang herd.

This was in 1933 when the first Poly Royal was held and again in 1944 when only a field day was held because of the war.

In 1933 only a livestock exposition was held. But in 1934, with the addition of more activities, it was suggested a queen be chosen to rule over the festivities. Jane Horton, a student at San Luis Obispo high school won the contest, and Poly had its first queen.

Bill Troutner, a Vo-Ag student, now instructor in the crops department was selected to be Poly Royal secretary.

More Activity

In 1935 there were more exhibits, more activity, and more people. Queen this year was Ruth Johnson, another San Luis Obispo high school student. This was the first year that printed programs were made available to the guests.

All the queens selected up until 1941 were local girls. These were: In 1930, Harriet Lapey; 1931, Fern Porter; 1932, Edna Carr; 1933, Betty Lou Aleno; and in 1940, Jeanne Defosset. The Poly Royal board in 1941 decided to invite another state college to "loan" Poly's all male student body a queen. San Francisco State selected Barbara Biggs

to be Poly's first "guest" queen.

Good Idea

She was so royally received that the invitation was repeated the next year to Fresno State college where Joetta Belcher was selected, and in succeeding years to other state colleges.

Eleanor Burrows, a local girl was selected in 1943. This was

(Continued on page 8)

Bill Smith, Poly Royal Super, Extends College's Welcome To 'Country Fair' Visitors

Welcome Poly friends:

Your purpose in spending your time and money coming to Cal Poly's 22nd annual Poly Royal "country fair on a college campus," has revealed your personal desire to become a part of this college in friendship and spirit.

Now that you are here, our entire student body has made sure your visit will not only be educational, but entertaining as well.

As you visit each department of them—do not "look" alone. Participate. Learn and understand Cal Poly's learn-by-doing philosophy by being one of us.

If there are any questions about Cal Poly, don't hesitate. Ask a student. You are our guests and we're more than pleased to have you here.

Bill C. Smith
Poly Royal Superintendent

Glee Club Pleases Locals

A capacity crowd turned out last Thursday and Friday to hear Cal Poly's Glee club, Majors and Minors, Collegians and Quartet perform in their 18th Annual Home concert in San Luis Obispo high school auditorium.

The traditional Home concert always winds up the season for musical director Harold P. "Davey" Davidson's array of college talent.

There were over 20 cities represented by parents of the per-

formers with one mother driving up from Mexico to hear her son sing.

"The show this year was tops and the club is one of the best we have had at Poly in a long time," said Davidson. "I'm proud of the men and the performances they put on, and the loyalty of the parents and old members, as well as that of friends and townspeople is a great tribute to the club," he concluded.

Program Of Events - Hour by Hour

THURSDAY, APRIL 29

- 12:45 p.m. Student body meets queen at railroad station—parade through town—reception and tour of campus.
- 8 p.m. Reception for queen and princesses at President McPherson's home (By invitation.)

FRIDAY, APRIL 30

- 10 a.m. Opening assembly at football stadium
- 11 a.m. All departmental exhibits open at respective units.
- 1:30 p.m. Motorcycle circus at college air field.
- 2 p.m. Baseball game—Cal Poly vs. St. Mary's
- 3 p.m. Special program at football stadium.
- 7 p.m. Carnival and carnival dance, featuring Rex Koury and the ABC orchestra.

SATURDAY, MAY 1

- 9 a.m. All departmental exhibits open. Day nursery opens at Hillcrest Lounge.
- 10 a.m. Adult organizations and Young Farmers livestock judging contest at football stadium. Special contest and exhibits at football stadium.
- 11 a.m. Barbecue served on Administration building lawn.
- Noon Concert by Cal Poly Mustang band.
- 2 p.m. Poly Royal intercollegiate rodeo at rodeo grounds.
- 9 p.m. Coronation ball, featuring the Cal Poly Collegians at Veterans Memorial building.

SUNDAY, MAY 2

- 2 p.m. Poly Royal intercollegiate rodeo at rodeo grounds.

Beautiful Girls No Problem; Royalty May Be 'Borrowed'

By Gordon Beach

What does an all-male college do when they need a queen and princesses? Simply borrow them from schools that have a goodly supply of pulchritude and feminine charm.

For their 22nd Annual Poly Royal, Cal Poly students went to three different schools. Not that there wasn't a choice simply right in San Luis Obispo—there is. The boys just wanted to be fair. From Los Angeles State college Mary Medlock was chosen queen and Penny Cohen and Mimi Shahrivar princesses. Statuesque Susan Babcock won a princess crown from San Luis JC aspirants and San Luis Obispo high school coed Carol Ekegren captured the Cal Poly hearts and a princess crown.

For the first time, the student body directly elected its queen. In past years, a state college has been selected to furnish a queen. This year the Poly Royal board brought three coeds from Los Angeles State college to the campus for the student body to elect. The two runner-ups became members of the royal court. Two ad-

ditional princesses were chosen from contestants representing the San Luis Obispo junior college and high school.

Queen Mary is a senior music major at L.A. State. She adds the Poly Royal crown to that of Hollywood Bowl University Night Starlight Queen which she won in 1953. Mary is a tall (5 ft.—8 in.) blue-eyed, honey-blond. She plans to teach music after graduation.

Princesses Mimi Shahrivar and Penny Cohen are education majors, too. Mimi is originally from Iran, but now makes her home in Los Angeles. She specializes in home economics and fine arts and is interested in international relations. Penny is tall, has brown hair and eyes, plans to teach—elementary education.

San Luis Obispo's two princesses, Carol Ekegren and Susan Babcock, are both blondes. Susan ranks among the timber-toppers, Carol is of medium height. Susan is taking business courses at the junior college. Carol, still in high school, is still undecided about her future.



FOND MEMORIES ... Those of the senior class who were enrolled at Cal Poly in 1950 will not soon forget this statuesque blonde beauty from the Bay area. Shapely Lois Butcher from San Francisco State presided over Poly Royal that year.



BEAUTIFUL, ISN'T SHE? ... In 1949, the year of the first Poly Royal Carnival, lovely Donna Burbage reigned as queen. Donna was from Humboldt State, in the heart of the Redwood Empire.



WHO'S KIDDING WHO? ... Perhaps not suitably attired for the duties of milkmaid, but lovely, none the less. Striking Patricia Munchoff was generously loaned by the students of San Jose State to preside over Poly Royal in 1946.

Hitching Contest Revives Lost Art

An attempt is being made by the Cal Poly Grange to revive the almost-lost art of hitching a team of work horses up to wagon or plow and taking off for the south forty.

Tomorrow morning at 10 o'clock ranchers and farmers who still feel proficient at this fading art will gather in the football stadium and, in two teams of two, harness and hitch-up a heavy team of work horses. They'll be working against time and against a fading memory of which snap goes where and does the grouper go on before the belly band. Of course, handsome prizes will be awarded to the best and fastest first three teams.

Perpetual Trophy
The champions will possess for one year the perpetual Poly Royal team harnessing trophy, which will have the names of each year's top winners engraved upon it. Second and third teams will receive trophies from the Cal Poly Grange and there will be merchandise awards for all winners.

"Maude" and "Levi", the patient old draft team that has served Cal Poly for more years than anyone will admit, will be the animal stars of the contest. The venerable old pair have in years gone by had a good many harnessings. It seems that every class in horse production has at least one session with "Maude" and "Levi".

Scared Students
It isn't on the official record, but story has it that though many students have been unnerved by the mass of leather and chain and horseflesh, a few instructors have also become rattled by the confusion of unnerved students and the above mentioned mass.

"Maude" and "Levi" have never once batted their wise old eyes at any of the proceedings, have never once flinched when some novice cinched up a chain where a chain should never go.

Don't Follow Signs; Follow Your Nose!

Is it cheddar, limburger or Roquefort? That's what Poly Royal visitors will have to answer for themselves if they expect to participate in the dairy manufacturing department's annual cheese judging contest during the "country fair."

A wedge of prize cheese, a product of learn-by-doing manufacturing majors, goes to the winner, dairy department students say.

Cheeses are manufactured from whole milk produced by Cal Poly's nationally famous dairy herds.

New Band Regalia Will be Paraded

While Poly Royal visitors take their Saturday noon break, eating barbecue or just resting, the Mustang band, decked in new uniforms partly purchased by last year's "country fair" visitors, will provide a special concert.

"We have set up a program with widespread interest, including several lively marches," claims Phil Johanknecht, student manager.

Musicians will set up a shop directly in front of the Administration building.

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Yearbook Sale Begins

Eager students queued up yesterday morning in basement of the Ad building to pick up those "hot copies" of the 1954 El Rodeo, says Bob Colomy, Editor-in-Chief.

In order to pick up a pre-sale issue, it will be necessary for students to bring receipts for deposits plus the necessary cash for the balance.

All those obtaining books are asked to fill out an address coupon which will bring El Rodeo's supplement to their summer addresses.

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Greetings From The President

Poly Royal is YOUR time. These two Poly Royal days are set aside each spring to be dedicated to the families and friends of Cal Poly students, to the alumni of the college and to its friends.

On this occasion the college, its students and its faculty and staff, seek to see that you have a good time while you are guests. Hence, the many entertainment features of Poly Royal, our carnival, dances, revue, barbecue, rodeo and many other special features. Most of all, however, we desire to have you become acquainted with the results of our year's work at Cal Poly. Hence, the exhibits and demonstrations arranged by the many departments in our divisions of Agriculture, Engineering and Liberal Arts.

The exhibits and demonstrations will show you what Cal Poly students have been studying and what their activities have been as they sought to "learn by doing" in the tradition for which this college is known. On display also will be the results of representative commercial projects in the field of their major academic interests which the students have carried on so that they may earn while they learn.

We welcome you to the Cal Poly campus with the wish that you may enjoy your visit here and at the same time become better acquainted with us and with what we are trying to do as we work together toward the goal of preparing young men for lives of useful service to their communities throughout the great state of California.

—Julian A. McPhee

Production Staff Has Problems

We feel that some explanation is due the reader of El Mustang for our omission in this issue of timely news relating to campus politics, student affairs and complete sports coverage.

Preparation of a 16-page issue (twice normal size) and printing of 10,000 copies (four times the usual) has presented problems that cannot very well be met through normal production channels and the usual deadline of Thursday had to be set up to Tuesday.

Site Clearance Work Soon For New Science Structure

Contracts for the construction of Cal Poly's new Science and Classroom building are expected to be let by June 1. The specifications were submitted for bids April 16. Construction is scheduled to start by July 1 and the completion date is specified as August 1, 1955.

Meanwhile, site clearance work for the building will start soon. The main clearance job was advertised for bids April 16 and the contract is to be let by May 15.

One-Story Structure

The building is to be a one-story structure built in five sections with a total of 90,000 square feet or almost two acres. If every room were filled to capacity it would hold 1860 students. Its main, or north-south, corridor will be 550 feet long and its cross corridor 400 feet long. The building will be constructed of reinforced concrete and will be of contemporary design. Its cost, including equipment, will be in excess of \$2,500,000. The equipment costs are to be approximately \$350,000.

Science Section

One section of the building will be assigned to soil science and veterinary science and one section each to biological science, botany, chemistry and physics. Temporary quarters in the building will be assigned to the social

science department also. The building will include 12 general purpose classrooms, 27 special purpose laboratory rooms, and office space for 42 instructors. One of the special purpose rooms will be used for a biology museum and another for a herbarium for use in botany courses.

Physical science will have a total of 13 laboratories in the building, biological science 10 laboratories, soil science three labs and veterinary science one.

The principal site clearance contract will involve the tearing down of the old milking barn, feed and shelter barn, veterinary hospital, blacksmith shop, calf shed, and feed storage barn.

Old Structures Moved

The old dairy judging pavilion is to be moved to a site northeast of the Farm Machinery building to be remodeled for use as a horseshoeing building. The old calf barn will be moved to the Corporation yard for use by the Foundation maintenance section. A cottage will be moved to the Cheda ranch to provide a dormitory for students working with dairy projects there. Another cottage will be moved to the site of the new ornamental horticulture unit to serve as salesroom, seminar, and office facility.

Student Leadership Stressed In Cal Poly Men's Glee Club

It's almost a dead-end between architectural engineering and animal husbandry majors at California State Polytechnic college when it comes to interest in music.

Boasting 70 members, the Men's Glee club from Cal Poly has 15 animal husbandry majors and 12 architectural engineers. Electrical engineering comes in third with six. Altogether, 22 of the 27 majors offered at the college are represented.

Competitive

"Competition is pretty keen among the different majors for top spot," according to Harold P. Davidson, chairman of the music department. He explains that different majors are forgotten once the group is formed.

"Student leadership is stressed throughout all our work," the silver-haired musician explains. "It's getting so I hardly have to do anything, anymore!" Davey, as he is affectionately known on the campus, pointed out that the Glee club is the only one in the nation in which the officers and older members select the singers. "They do

all the picking," he says, "and I abide by their decisions."

Reflecting on earlier days, Davidson remarked that football players in large measure were the student leaders. "We had fellows trying to play football, sing in the quartet, glee club, and play in the band and orchestra. It was just too much." Only two activities are permitted for each student under the present system.

Students Lead

Musical programs for Poly Royal—Cal Poly's "country fair on a college campus"—will be entirely under the direction of student leaders. This is in keeping with the theme of developing student leadership that has been Davidson's policy since he first joined the staff in 1936.

The Collegians, 14-piece popular dance band, also is student led and directed.

Simpson and Varian Are Honored Guests

Dr. Roy E. Simpson, state superintendent of public instruction, and Sigurd Varian, Menlo Park, will occupy honorary guest chairs during opening assembly ceremonies of the 22nd annual Poly Royal.

Starting promptly at 10 a.m. Saturday in the football stadium, Queen Mary Medlock and her royal court will make their official entrance, signifying the start of "country fair time."

Poly's yesterday will be represented by Varian whose part in the invention of the Klystron tube, major step in the invention of radar, placed him in position to receive the first annual Alumnus of the Year award. It will be given by the Cal Poly Alumni association.

Spearheading an active ceremony that has become the pace-setter of Poly Royal time, will be the snappy stepping Reserve Officers Training corps drill team. Agricultural engineers will sponsor the famous International Harvester tractor square dance, a new twist that has won favorable attention of audiences.

On hand will be students, whose participation on the Poly Royal board of directors of official capacities led to successful preplanning of the show. Carl G. Beck, known as the "father of Poly Royal," also will be introduced.

The student chapter of the Institute of Aeronautical Sciences was formed at Cal Poly in 1949.

Congratulations Mustangs On Another Successful "Poly Royal"

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AIR CONDITIONING LAB . . . Students in Air Conditioning engineering are shown conducting a test for low-temperature refrigeration leaks under the supervision of instructors. Left to right: Ed Bowler, Maurice Miskelson, I. G. Van Nest, instructor, Laurence Brink, Norman Sharpe, department head and Charles Reas. The equipment shown here will be on display to the Poly Royal visitor today and tomorrow.

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Air Conditioning Presents Exhibits, Displays for P R

Importance and usefulness of each phase in the field of Air Conditioning engineering will be brought out during Poly Royal through the use of enlarged photographs of students and equipment, says Norman Sharpe, department head. In order to handle this display, Classroom "A" in the Engineering building has been transformed by complete redecoration into a display and showroom. There will be students in charge to answer the questions of visitors concerning the display, Sharp added.

Guests are also directed to the Air Conditioning engineering laboratory where AC students will act as guides to explain displays and equipment. Upon entering this room, visitors will see a heat pump, used for heating and air conditioning of the Engineering auditorium. This heat pump was installed and constructed by students.

All other pieces of machinery in the lab were designed and constructed by students as senior projects, Sharpe continued.

Some of the projects are a refrigerant performance tester for testing refrigerants under various conditions; a coil performance testing machine; an air purification testing machine to test the efficiency of different types of air filters and air washers; and boilers to test fuels, heat transfer, and for testing the efficiency of heat transfer equipment.

In the test and measurements lab, delicate precision testing instruments will be demonstrated and explained by senior students. In this room there is a heat pump, designed and constructed by students that maintains predetermined temperatures and humidities automatically.

These exhibits will endeavor to show Poly Royal guests the kind of training given by the Air Conditioning department and how closely related it is to work done in the refrigeration and air conditioning industry, Sharpe concluded.

THOUGHTFUL

Dick Asbaugh to husbands: "Women love to be surprised. Some Sunday morning slip down to the kitchen and prepare a tray. Fix bacon and eggs and orange juice. Place the morning paper next to a steaming cup of coffee and as a final touch, add a tiny rosebud. When everything is ready, carry the tray into the dining room and have a leisurely breakfast."

"When your bride comes down she will be delighted to find that you've eaten and got out of the way."

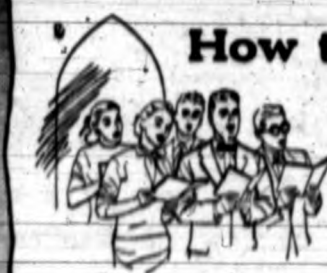
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Watch Master



How the stars got started...

Dick Powell says: "At Little Rock College, Ark., I began singing with a choral group. This was followed by dance-orchestra jobs all over the Mid-West. — and finally to Hollywood. After 40 pictures, typed as a 'crooner', I finally won a 'tough guy' role — and really got going!"

Dick Powell
 ACTOR-PRODUCER-DIRECTOR OF MOVIES AND TELEVISION

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*Published in Printers' Ink, 1954

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THAN ANY OTHER CIGARETTE!

SLOWS STIRRUP ... This hapless bronco-buster appears to be heading for a fall as he loses a stirrup and "pulls leather." Plenty of action is slated for the Poly Royal visitor during Saturday and Sunday's rodeos. (Photo by Beach)



Rodeos Feature Hard-Riding 'Busters'

By Frank Tours Jr.

Highlighting tomorrow's session of Cal Poly's 22nd annual "Poly Royal" will be the thrilling Cal Poly Intercollegiate Rodeo slated to get underway at 2 p.m. The Invitational bronco-bustin show is the finest campus rodeo in California, and this year features student cowboys from seven western colleges, including the host Mustangs. Finals start at 2 p.m. on Sunday.

Tough Animals
Providing stock for this year's show is Cliff Burrell of Hanford, and his horses and bulls are the same fearsome animals that have bucked off the world's leading professional cowboys at the California Rodeo, held each year in Salinas. Burrell is no newcomer to the rodeo arena, having been World Champion "All-Around" titlist in 1919.

Teams expected to perform Saturday include Poly, Fresno State college, Pierce Junior college, Arizona State college at Tempe, the Cal Aggies from Davis and a squad from Cal Poly, San Dimas, California.

Recently established as favorites to cop the team title won last year by the host Mustangs, is the team from Pierce JC. The latter school won the recent Intercollegiate Rodeo held at the University of Washington, while Cal Poly finished third.

Special Events
Special events slated for the Rodeo, according to student director Ted Trompeter, include two horse show events and an exhibition of trick roping by Larry Lewis—a lad who has performed at such nationally famous shows as the Pendleton Round-up. Lewis has also worked with the dean of trick ropers, Monty Montana.

Making up the Cal Poly rodeo squad are Jim Lyons, last year's Poly Royal "all-around" champ; veteran Mustang Billy Stroud; freshman Jerry Anderson; Tony Araujo; Pat Valladao and Jerry Kardas. The latter cowboy was an outstanding contestant in last year's Poly Royal rodeo—but he was competing for Pierce JC in those days!

Bio Science Exhibit Features Small Zoo

Animals and plants native to San Luis Obispo should be an exhibit of great interest to Poly Royal visitors this year. The display will be under the direction of the biological sciences department.

A zoo containing fur-bearing animals, predators and game will be near the entrance to the exhibit and under the direction of the vertebrate field zoology class. California department of fish and game officials have cooperated in obtaining many of the animals of importance to sportsman and farmers.

Each animal will be identified by a card describing its habits, habitat and economic importance. William Massey and Jack Button will supervise the zoo. William Wallace plans an exhibit of natural game fish.

Richard Wunrow and Jack Schlotter are directing a class in plant classification in preparing a floral display of plants native to San Luis Obispo county. The wild-flower exhibit is located in CU-R.

Classroom 16 houses a marine aquarium containing chiefly invertebrates found along the coastline. Milton Eason and Ray Paolucci are in charge. Chris Yeats will demonstrate the procedure followed in making permanent specimen mounts on microscopes slides.

Other exhibits are in classroom 16 and will include living fossils, taxidermy techniques and other interesting features.

College Union Planning Gets Underway; Watch Next Issue

Student plans for the 1954 College Union program and building drive are slated to get underway Monday, May 10, according to Blue Key, national service fraternity.

Watch for a detailed account of Blue Key plans in next week's issue of El Mustang.

Famous Architect Selected As Commencement Speaker

William L. Pereira, internationally famous architect, of Los Angeles will deliver the commencement address at the California State Polytechnic College's 48th annual graduation exercises June 19. President Julian A. McPhee has announced. The college will graduate a class of some 500 candidates for

bachelor of science degrees in agriculture, engineering, and liberal arts and for master of arts degrees in education.

Pereira was elected as commencement speaker by the vote of the Cal Poly senior class from a list of 20 distinguished men proposed as possible speakers.

Well-Known Architect
A partner in the firm of Pereira and Luckman engaged in planning,



WILLIAM L. PEREIRA

architecture and engineering. Pereira has been professor of architecture in the graduate school of the University of Southern California since 1949. He is included in a group of architects now fulfilling a joint contract for the development of United States air and naval bases in Spain. His firm

serves as supervising architect for the California Institute of Technology and for Santa Barbara College, University of California.

Honored By Scarab
He was the first winner of the Scarab medal for "most distinguished record of achievement in architecture for architects under 35 years of age." He has also won the Humanitarian medal, the California Fashion Creators' distinguished achievement award, the Academy of Color and Design award, and five times has been the recipient of the certificate of honor of the Southern California Chapter of the American Institute of Architects.

2 BLOCKS

From Cal Poly
(on Hathaway)



California
Park Laundromat

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Juicy Top Sirloin Steak, French Fries . \$1.75
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Grilled Filet Mignon, Rasher Bacon . . \$1.85
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• Reinforced at all points of extra strain!



• Ample pockets! Front ones are heavy boatstail cloth!

• Western cut for smart snug fit! Sanforized† to stay that way!



Beauty and the Beast . . . Patricia Walker, petite coed from Chico State, wielded the royal scepter over her willing subjects during 1948's Poly Royal. The Beast?—Cal Poly's prize Hereford bull—Domino Prince.

'Best for the Last,' Ball Concludes PR Festivities

If you are one of the Cal Poly students, a returning "grad," or one of the invited guests who may attend the Coronation Ball Saturday evening, you'll attend the crowning event of Poly Royal.

Besides crowning the queen, lovely Mary Medlock, the big prom itself will have a crown. Old-time vaudeville troupes considered the closing spot on the program best. If there is any rhyme to their reasoning, then top billing in 1954 goes to the Coronation ball, for it officially ends the 22nd Poly Royal.

Poly's own Collegians will share the spotlight with the royal court. Traditionally, the Cal Poly student orchestra has reserved the Poly Royal date. Dance committeemen of the Engineering council, sponsors of this year's formal, are mum about details—will only say that the theme is "Harbor Lights" and promise that decorations will be "unusual."

Don Love, special events director, would only add faint light to

the shroud of mystery surrounding the ball. "The Coronation is planned as a surprise," he explains. "It will take place at about 10 p.m. but that is all I can say."

The dance itself starts at 9 p.m. and continues until one in the morning. The Veterans Memorial hall, as in the past years, is the site. Tickets will be sold to students, alumni and invited guests only, Love explained. This is necessary because of the limited capacity of the hall and because the college orchestra is being used.

Prime Beef Chosen For Barbecue Fans

Just about every backyard barbecue has a favorite recipe. Students at Cal Poly not only have the recipe, the big backyard, but will share the two during two-day Poly Royal festivities.

Convention-goers, former Poly Royal visitors and friends of the college that have been in on the barbecue treat have called it "Cal Poly's own western style barbecue." The name took hold and has stuck for a good many years, claims Gus Beck, Poly Royal advisor.

On the menu—the traditional: barbecued prime beef, salad, beans, rolls, coffee and steak sauce. Barbecue will be served starting at 11 a.m. Saturday in the circle in front of the Administration building.

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Cal Poly

22nd Annual Poly Royal

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895 Higuera Street

Tractor 'Square Dance' Highlights Novelty Arrangements for 1954's Poly Royal Fun and Festivities

By Gordon Beach

"Come on boys, fill up the floor! Shift those gears and join the dance, come on tractors, let's see you dance."

Four Super C Farmall tractors turn in a tight circle on big red wheels, back to the center and

touch tool-bars as the caller waits to give them the next instruction—a square dance with tractors!

As a special feature of the 22nd Annual Poly Royal the agricultural engineering students at Cal Poly are presenting two performances, today and tomorrow.

International Harvester's unique

show will be presented during the opening ceremonies this morning. Other shows will be announced over the campus address system and will take place in front of the farm shop.

When IH found out the Cal Poly ag engineers were interested in putting on a square dance show

with tractors, they shipped four new Super C's to the campus with standard implements and the new Fast-Hitch needed for the rapid-fire maneuvers. Five students got together and began daily afternoon practice sessions. Physical education major Charles Hammond, experienced square dance caller

took over the only un-mechanized job. Ag engineer Jim Connor was chosen chairman and will hold down the seat of the lead tractor. Ag engineers Dick Thompson, Dick Aard and Bryan Stone complete the square.

Square dance partners are, of course, four bright new tractors.

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GREEN STAMPS

Visitors Head Toward Campus

(Continued from page 1)
by thousands of persons "Cal Poly's own special barbecue." That starts at 11 a.m. While visitors are enjoying their noon-day break the snappy Mustang band will strike up the music for a concert of invigorating marches and collegiate songs.

Then at 2 p.m., the long-awaited interscholastic rodeo in Bud Collett arena, will feature a full-program, including calf roping, brahman bull riding, bulldogging and more, sponsored by the college's active Rodeo club. The high-heeled planners claim their show won't fall short of a professional performance. Attendance figures bear out their challenge from previous years.

Intermingling with all the gay-

Happy
Poly
Holidays

DYER'S VARIETY
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From the Bank of America

ety and spirit are literally hordes of departmental functions for alumni, parents and friends. Some hold receptions, others banquets, luncheons, breakfasts, just about everything. Most are by invitation.

Coronation Ball

Then at 9 p.m. in the San Luis Obispo veteran's Memorial auditorium, the slick Collegians, Cal Poly dance orchestra, increase the tempo and formally attired guests stream to the Coronation ball. The crowning feature of a two-day show, planned from the previous October, the coronation ball officially ends show-time on the college campus.

Queen Mary, her court and all the Cal Poly students and their guests that make Poly Royal a real success are there.

But, Poly Royal isn't over yet. Sunday at 2 p.m. final events in inter-collegiate rodeoing are on the docket. First-class rodeo stock has been contracted; the brahman bulls are tough, the horses are of the finest bucking strain and the cowboys are willing to challenge the roughest of them.

Missed Show

We've made a hasty trip through nearly seven months of planning and even missed over three-fourths of the show. Visitors have left to see the carnival midway and dance and the "championship team harnessing contest" and so much more that it is impossible to recall and describe them all.

Get in the festive spirit. It's Poly Royal time.

MEAL TICKETS

Meal tickets may be used at the Poly Royal barbecue Saturday, according to Vic Bertolini, treasurer of the Poly Royal board.

Library Exhibit Celebrates Columbia's Bicentennial

A panel exhibit illustrating the theme of Columbia University's Bicentennial anniversary, "Man's Right to Knowledge and the Free Use Thereof," will be on display in the Cal Poly Library during Poly Royal. The exhibit consists of 25 panels covering five aspects of the Columbia Bicentennial

theme, as follows: "The Inclusiveness of Man," "The Values of Knowledge," "Man's Right to Knowledge," "Man's Right to the Free Use of Knowledge," and "The Responsibilities of Knowledge."

The panels cover a wide range of topics, from the United Nations Declaration of Human Rights to "The Teacher and Free Speech," from censorship in its various forms to "Everyman—his thoughts and yearnings." A typical panel is one that is used to illustrate the section on "Development of Citizens." The illustration for this panel is a striking photograph of elder citizens at a town meeting, together with a quotation from James Madison, as follows: "A popular Government, without popular information, or the means of acquiring it, is but a Prologue to a Farce or a Tragedy; or, perhaps both."

Richard R. Powell, director of Columbia's 200th anniversary celebration, points out in a booklet about the exhibit that "the struggle to know is one of the most exciting dramas of history" and that this drama provided the inspiration for the exhibit.

Columbia's Bicentennial will be a year-long observance consisting of special conferences, convocations and many other special events.

Columbia was founded in 1754 as King's College by royal charter of King George II.

Queens Reign Over Poly Royal
(Continued from page 1)

the year when the Navy was here in full force.

In 1944 there was no queen. Again in 1945, another San Luis Obispo high school student was chosen, Barbara Shekelle. No special events were held this year because of the war.

Back To College

Again in 1946 the Mustangs went back to the State College in quest of a queen. This time from San Jose State, Miss Patricia Ann Munchoff was chosen to reign.

In 1947 the Polyites went South to San Diego State to pick Miss Catherine Dupont to be queen.

Next year, 1948, up North to Chico State and Miss Patricia Walker. This year the Coronation Ball was held at the Camp San Luis Obispo Field House.

Donna Grace Burbage, from Humboldt State did the honors in 1949. This was the first year that a carnival was held.

In 1950 lovely Lois Butcher from San Francisco State was queen.

Carnival In '51

Only a carnival was held in 1951, the other events being rained out. San Diego State's Miss Gloria Demers was chosen by the Mustangs to rule over them. Miss Geraldine Cox, a beautiful Santa Barbara State Co-ed was picked in 1952.

1953 Poly Royal had Miss Cecelia Pava, a lovely lass from Sacramento State doing the honors.

This year, of course, Miss Mary Medlock, one of Los Angeles State's finest is here to preside over the Mustang horde.

Milk Maid Contest Dairy Dept Feature

Four Poly students' wives will vie for top honors in the second annual milk maid contest sponsored by the dairy department during Poly Royal.

The contest is slated to start at 10 Saturday morning in the football stadium.

The wives chosen to compete for prizes are: Mrs. Max Stuart, Mrs. John Samplers, Mrs. Bill Stark and Mrs. Bob Aston, announced chairman Werner Drefuss.

Designed to show the "men folk" that females can also excel in the art of cow milking the exhibit should prove to be an amusing spectacle.

Prizes in the form of dairy products and ribbons will be awarded to the lucky winners.

HIGH TENSION

Consumption of wooden spoons in El Corral around exam time is terrific, reports Harry Winerath, graduate manager. Nervous students tear them to bits with their teeth while awaiting zero hour.

El Corral

Visitors' On Campus Headquarters For Cal Poly Gifts and Souvenirs

"Do It Yourself Books"



An extensive line of "Do It Yourself" books are featured here in El Corral. Loaded with ideas, they give the reader the "know how" to complete many many interesting projects.

College Pets



If you want a unique and exclusive gift which will cause belly laughs and smiles every time they are seen . . . come in and see our ZOO. These cuddly college pets will make the perfect gift for anyone who can smile.

NOTE: Guaranteed Not to eat . . . Cause any damage . . . To be very quiet.

Imported Bavarian Steins



This is your chance to get a true souvenir of Cal Poly. These beautiful handmade and painted steins were custom made for Cal Poly. The pewter covers are handturned and forged onto the stein. They are an excellent example of German craftsmanship. Imported from western Germany they make the perfect desk or mantle piece.

BASEMENT OF THE ADMINISTRATION BUILDING



SCHOOL FOR COUNTRY PRINTERS... Shown above is a view of the job press and composing room, indicative of the line equipment used at Cal Poly to train students. Left foreground Reno Rinaldi; from left to right in background: Chuck Erikson, Dick Alderete, Dick Peters and Gordon Martinez.

FFA Magazine Will Be Produced By Printers As Poly Royal Exhibition

The Printing Engineering department at Cal Poly is dedicating its exhibit and display this year to the Future Farmers of America. There will be in progress through all branches of the printing department, the production of

the Future Farmer of America magazine. There will be operators setting type, pressmen doing the presswork, bindery men doing the bindery work. In fact, the complete operation from beginning to end will be in progress for the benefit of those visitors and those who visit this department.

There will be other demonstrations in four-color process printing, stereotype operation, production of blotters, and other material which will be presented to those who visit this department.

In charge of various demonstrations will be majors in the department. Line casting machines, J. Webb Knott; bulletin board and exhibits, Charles R. Erikson; printing pressed, Dale W. Hall.

Demonstrating Ludlow and Elrod, Richard W. Kuhn; stereotyping, Robert E. Collier, Jr.; bindery, David A. Monty and Robert L. Holladay.

Mat-Pica-Pi president, Norman J. Ross will handle reception and check room at the Coronation ball. In charge of the carnival booth at Poly Royal is William Clinging-smith.

Raymond A. Werner will exhibit four of his murals which depict the progress of printing from the Greeks to Gutenberg, Benjamin Franklin and up to and including modern day production by photo-setting machines.

July Completion For Power Plant

Completion date for the new power plant on the California State Polytechnic college campus has been set for early July, Harold Wilson, executive dean, has announced.

The \$600,000 structure was originally scheduled for completion early this month, but a fire delayed the work.

Wilson said the framework is complete, boiler parts have been installed, and steel sash windows and siding are in place.

This structure will serve a double purpose by housing the mechanical engineering department's laboratory. Of the total cost, about \$50,000 has been set aside to purchase equipment for this laboratory. It is in this building that the approximately 220 mechanical engineering majors at California Poly will "study and tinker with" hydraulics, heat and power, including internal combustion and steam engines.

Congratulations Cal Poly

On Your 22nd Annual

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Master Development Plan for Morro Drawn Up by Architectural Students

The spotlight will be on a contour model of Morro Bay in the department exhibit planned by the architectural engineers at California State Polytechnic college for Poly Royal, April 30, May 1.

Under the direction of department head George Hasslein, senior students have been gaining practical experience in drawing up this master development plan for the coastal community.

Hasslein in describing the master plan says, "It places the functions of a city in their proper places, so it doesn't wind up with a glue factory in the center of a residential district".

Included will be typical preliminary and working drawings in the freshman year, prospective problems showing views of building and furnished interiors, and models showing application of design to structural problems in engineering during the sophomore year.

Junior architectural engineering majors will show off design problems in such fields as woman's dormitories and furniture, plus new ideas for Hillcrest lounge on the campus. Stressed throughout will be the flow of work from one year to the next.

Students in charge of individual

exhibits are Arnold Volny, senior display; Jerry Adams, junior display; Stewart Woodard, sophomore; Ron Folsom, freshmen. Turaj Ghahremani, senior from Iran is general co-chairman with Doug Butabach.

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Visitors May View Mars During Poly Royal Time

Many aspiring astronomers will probably be able to see Mars for the first time during Poly Royal. Physical Science students, exhibiting part of the things they learn in basic astronomy, will feature a four-inch reflecting telescope.

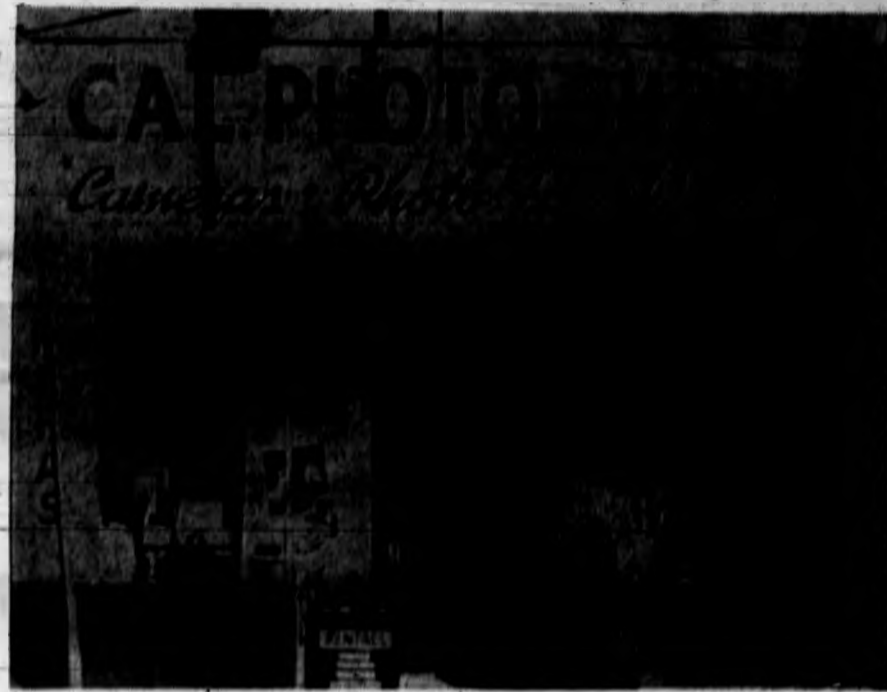
Constructed on the same principle as the 200-inch telescope at Palomar, the intricate equipment will be displayed during the daytime for viewing distant objects on the earth and for celestial viewing at night.

Physical science students have reported that the planet Mars will be visible during Poly Royal, provided no clouds are present.

Various scientific studies also pictures in the student planned display will be a cloud chamber showing tracks of high speed particles; measurement of the electric charge on the electron; the Van der Graff particle accelerator; a Geiger counter; model of an atom bomb; and exhibits showing the principles of classical mechanics of Newton.

In addition to the four-inch telescope, Cal Poly is equipped with two three-inch refracting telescopes. Jesse Platts, Morro Bay, heads the Physical Science show.

Welcome to the 22nd



Cal Photo Supply

Conveniently located downtown at the corner of Higuera and Morro Street Your sons and friends attending Cal Poly have been our satisfied customers and friends for the many years. We of Cal Photo have enjoyed serving them and congratulate Cal Poly on its 22nd Poly Royal.

Get these to make Poly Royal, 1954, a lasting memory.

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MENS WEAR
851 Higuera St.

Poultry Department Plans Exhibits, Show to Lure Poly Royal Visitors

Cal Poly's poultry department is getting impatient waiting for Poly Royal time to roll around.

Their brand-new poultry plant is just begging for inspection, according to Richard I. Leach, poultry department head. Visiting poultrymen and other Poly Royal guests will be able to see the hatchery, controlled temperature and humidity egg holding room for hatching eggs, and the new large feed storage room.

Other new facilities for student training include two large laboratories, classrooms, living quarters, and egg room. On the processing side, California Poly's new lay-out includes equipment for hatching, killing and processing of dressed fowl, and egg handling.

"Classroom 19 on the campus will hold exhibits with appeal for all the family—especially the

kids," said Leach. A specially constructed glass incubator enabling spectators to watch chicks hatch will be featured. Also on display in classroom 19 will be groups of live baby chicks of different breeds.

A class studying incubation will present an exhibit of live chick embryos in various stages of development.

Jimmy MacIlraith, field supervisor of the California Turkey Growers association, and well known California poultry judge, will do the selecting in the poultry show. Competition will be limited to Cal Poly students who have been fitting and preparing college poultry for the show. Chairman of the poultry show is Grant Miller.

As well as live birds, Poly students will exhibit eggs collected during work on their student projects. Ed Folsman is chairman of the egg show.

Students heading various committees during Poly Royal are: feature exhibit, Les Snyder and Walter Wood; carnival, Mike Jones and John Pugliese; concession, Charles Anderson.

English Division Offers Free Coffee

With the price of coffee what it is, the English department at Cal Poly is sure to draw big crowds to its display at the 22nd annual Poly Royal.

Through the courtesy of S&W Fine Foods Inc., the department will be serving free coffee to Poly Royal guest.

Dr. David M. Grant, department head, admits serving free coffee is unfair competition of a sort, but he says visitors will have the chance of looking over a worthwhile exhibit.

General theme of the English department's contribution to Poly Royal is planning and organizing discussion groups.

Included are seven or eight movies on such topics as importance of effective letter writing, different uses of language communication and parliamentary law and procedure.

Grant says the movies and refreshments will be in the library, rooms 118 ABC.

Visitors Will See Lathes and Drills

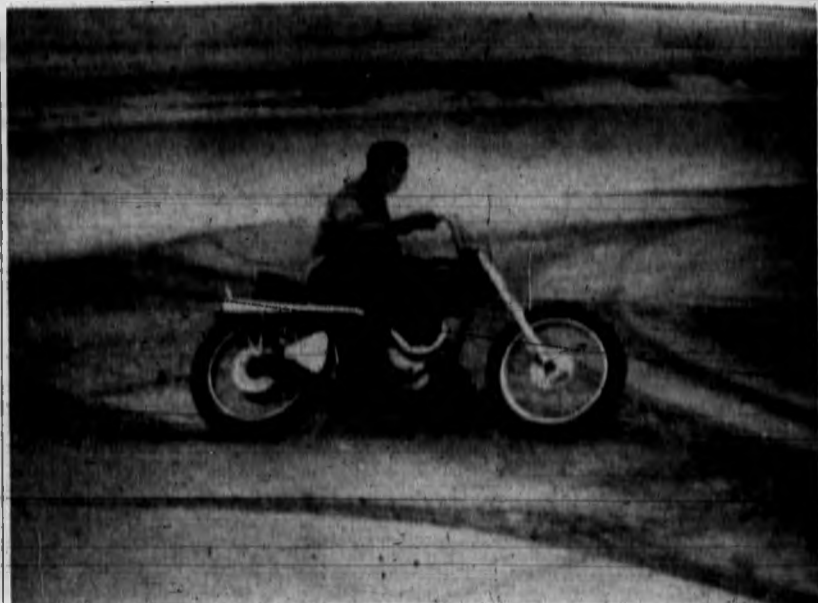
Cal Poly's Machine Shop department has planned an open house for its guests this Poly Royal.

Manufacturing process laboratory students will act as guides and show the guests around.

Don Bowden, student in charge of the open house, says typical jobs will be set up in the machines to demonstrate their use.

A few of the machines visitors will see are: 27-13" lathes, 2-14" lathes, horizontal mills, vertical mills, die casting machines, punch-presses, shapers, drill presses, and surface and cylindrical grinders.

To anyone interested in these machines, it promises to be a very interesting display.



SPEEDSTER ... Poly alum Dave King is shown taking a turn on the sands at Pismo Beach. The Penguins club annual motorcycle circus is expected to be a big drawing card during Poly Royal.

Penguins Present Motorcycle Circus As Annual Poly Royal Entertainment

Poly Penguins—student motorcycle club at California State Polytechnic college—are champing at their carburetors in anticipation of the forthcoming motorcycle circus opening day of Poly Royal.

Sponsored by the students organizations, the "circus" will be held on the campus air strip, today at 1:30.

Nine events are tentatively scheduled including a stake race, drag races, sack races, pick-up can race, and one called run and ride.

Ernie Bailey, junior electrical engineering major from Oakland, and president of the club, said the circus drew about 400 people last year. "There is a lot of skill involved in these contests," he said, "plus plenty of spills, chills and

thrills for spectators."

Other club officers are vice president Bruce Golden, secretary Andy Jones, treasurer Elvert E. Oest.

C. C. Richards, machine shop instructor at Cal Poly is the club advisor.

Radio Hams Stand By for PR Visitors

"Hams" of the Amateur Radio club at Cal Poly will be standing by during Poly Royal, ready to send a message to almost any place in the world.

Operating from the second floor of the Ag Ed building, the amateurs will be standing by tomorrow, ready to accept messages from campus visitors.

The Cal Poly amateur radio club is a campus organization for licensed radio amateurs. Club activities such as the American Radio Relay league DX contest promotes communication with amateurs in foreign countries and provides means for improving operating skills and equipment. The nation-wide field day contest is popular as it simulates emergency condition and gives the club a chance to check operation and equipment under conditions similar to those in the electronics and radio engineering department, says James R. Wills, faculty advisor and club trustee.

Club members who will help with sending messages, answer questions and describe the operation of the station are: Duke Johnson of Los Angeles, Dick Klaser of Coos Bay, Oregon; Allan Walston of Orosi, George Hornbrook of San Gabriel, Roger Chandler of Oakland, Norris Keskeys of Sacramento, Morris F. Isank of Lakeport, Dan N. Kimm of Bakersfield, Bill Filbert of Oakland, Dick Wolstenholm of Point Arena, Bob Laird of La Habra and Henry C. Worthington of Imperial.

Social Sciences Schedule Movies, Panels

"State of the Nation" is the theme selected by the social science department at Cal Poly for its exhibit at Poly Royal.

Borrowing the theme from the president's annual message to the congress, Ralph Dilts, acting head of the department, says movies showing activities in present-day government, history, economics, political science and sociology will be screened every hour throughout the day.

The department is taking over the "browsing room" of the campus library as it offers "education while relaxing" to Poly Royal visitors.

Fifteen to 20 different movies are on tap covering a variety of subjects from juvenile delinquency in the field of sociology to a typical state legislature in session.

In addition to the movies, panels depicting problems, functions and operations in the fields of agricultural economics, general economics, sociology, political science, and other social sciences will be placed near the browsing room for visitor convenience.

Anthony Estallo, senior social science major from Santa Maria, is general chairman of the exhibits.

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Come In And Visit Our Redecorated Lounge



Salutes

Cal Poly's

22nd. Annual

POLY ROYAL

'Today and Yesterday' Sets Theme for Flower Show

When the doors open today on the sixth annual Poly Royal flower show, visitors will be treated to the largest flower show in central California and the largest yet attempted by Cal Poly.

This year's show, featuring over 70 classes in three divisions, will be built around a "Today and Yesterday" theme.

Co-chairmen Bill Long of Cupertino and Bob Cooper of Lompoc in announcing the theme, describe this year's production as "featuring the best of the gardens of yesterday, as well as present day design innovations".

Long, a sophomore majoring in agricultural journalism and ornamental horticulture stresses the "open" feature of the show.

"We draw entries from throughout the entire tri-county area, and we are especially indebted to the garden clubs of this area, for their cooperation", says Long.

"We also are especially interested in the home gardener", adds Cooper, a sophomore OH major from Lompoc. "We have designed the show to appeal to home gardeners and the entire show is produced on the amateur level," Cooper concluded.

The specimen and arrangement divisions are open to residents of the tri-county area, but the floor display division is open only to Cal Poly students.

The latter division features garden and patio designs by Cal Poly OH majors.

Highlighting the display division will be a feature exhibit under the supervision of Ralph Barnes, a

sophomore student from Princeton. The exhibit titled "Woodland Scene" will feature a stream falling into a woodland pool. The pool set into a field of green helixes (baby's tear), will be surrounded by drifts of lilies of the valley, especially grown for the event in a Cal Poly greenhouse.

First, second and third prizes will be offered in all classes, and a sweepstake prize will be awarded in each of the three divisions. In addition, the judges have been authorized to award a special ribbon for outstanding specimen and arrangement entries. In past years only one sweepstakes prize has been offered.

Winner of last year's sweepstakes was Cal Poly aeronautical engineering instructor, Roy Metz, for his mammoth tulip entries. It was the first time Metz had entered a flower show. He described himself as "the most surprised and elated man in seven counties."

No entry fees are charged for the show, and the event is financed by the ornamental horticulture club.

Adviser to the student flower show committee is Department Head Ed Mattson. Mattson, a Poly alumnus, was original organizer of the show six years ago. Instructor Dr. B. C. Smith, and grounds superintendent, Bill Ford, also serve as advisers. Dave Millard, senior from Sonoma, and last year's flower show chairman, also serves in an advisory capacity.

Wes Connor, sophomore from Fresno, serves as floor manager.

Visiting Teachers Invited To Aid in Guidance

Guidance for high school students interested in the teaching profession, rather than an exhibit of products, will feature the Education and Psychology departments contribution to Poly Royal.

The comfortable library staff room (116) will serve as a reception room for the prospective teachers, as well as a meeting place for visiting teachers.

Under the direction of John Boston and Roger Cook, Jr., visiting high school students will receive information concerning the specialties of other colleges and universities.

A second feature of the department's Poly Royal program will be a display of pictures of all current agriculture cadets and of most Cal Poly agriculture teachers in the field.

Visiting teachers are especially encouraged to gather at the reception headquarters to meet others in the teaching field and to contribute, and when possible, to the guidance of the visiting high school students.

Mustang Flyers

In January, 1947, the California secretary of state granted a charter to the Mustang Flying association, Incorporated. The chapter states that the association is a non-profit organization devoted to the furtherance of flight training on an economical basis for the students, faculty, and employees of the California Polytechnic college.

Offer Driver Tests To Campus Visitors

Do you consider yourself a good driver?

The physical education department during Poly Royal will have a series of driver training tests so visitors can judge for themselves possible deficiencies.

The tests will be given by physical education majors and will deal with vision and reaction.

Vision tests will include visual acuity, distance judgment, glare acuity, field of vision and eye dominance.

The exhibit will be near the front door of the gymnasium and will be open during both days.

The athletic and physical education departments also are sponsoring several athletic events during the two day festival.

SPECIAL WORD TO POLY STUDENTS

Hoping your 22nd annual POLY ROYAL is the biggest success yet of the many fine Poly Royals held at Cal Poly.

Signed

H. WILLS
NORWALK
SERVICE



P.S.
Special rates to
Poly students held
good during
Poly Royal as
well of course.

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Chef Ricci's
Capri

—For—

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Something for the folks during our first Poly Royal

Where All the Gang Meets To Eat
Open 5 a. m. to 3 a. m. Daily

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Color TV Slated for Demonstration

No longer is black and white television reproduction a novelty. Today, there are approximately 180,000,000 radio sets and 80,000,000 black and white television sets, but only a few hundred color TV sets in operation in the United States.

Poly Royal visitors will have an opportunity to see just how brilliant color reproduction will be, when they visit the exhibit of the electronic engineering department. A whole new world of fascinating entertainment and education comes to life with color television. The brilliant primary colors and their complements will be demonstrated in the form of a color-bar pattern generated elec-

tronically and displayed on a color TV receiver.

"You will want to see the miniature television camera in operation by seeing just how you appear on a large television receiver screen. Thousands of these little cameras are now in use in industry, transportation, schools, and in many homes," says department head, Clarence Radius.

Just why it is important not to tamper with your television set or have a screw-driver-mechanic repair your set will be demonstrated with a series of exhibits on TV receiver adjustments. In addition, you will be able to see just what improvement there is in picture contrast.

Ag Eng Plan Varied Activities

How can a one-cylinder engine operate without any wires connecting the magneto to the spark plug?

The answer to this question and to many others will be supplied the Poly Royal visitor who views the elaborate exhibits, demonstrations and displays set up by students and instructors in the Agricultural Engineering department at the north end of the campus.

Farm Power will feature a four-cylinder, air cooled Wisconsin engine, partially disassembled to show the internal parts. This type engine is used to power balers, combines and irrigation equipment. Reno Cromer is in charge of the display.

The Agricultural Mechanics department is sponsoring a booth displaying a variety of projects constructed by students in the shops. There is a beef section under which are shown grain feeders, watering troughs, rope halters and hay racks. There is also a section showing general farm equipment such as loading shoots, gates, livestock trailers, general purpose trailers and other farm shop equipment built by the students. Chairman for this display is Earnest Pace.

The Carpentry division displays the various tools used by a carpenter in his work. A concrete slab in full detail of construction, demonstrates factors of quality in working with concrete. Chairman is Joe Rodgers.

A predator-repelling light, a "cow house breaker," and an electric light with no wires attached will be seen in the Rural Electrification display. David Clay, junior Agricultural Engineering major from San Luis Obispo is chairman for this program.

This year, by grouping Irrigation, Irrigation Engineering, Hydrology, Conservation Engineering and Surveying under the general heading of "Water Use and Control," it is hoped by department heads that the relation of one to the other can be better pointed out. Water measuring devices in open flow channels and pipes and a model showing ground water seepage and surface run-off will be one of the principal displays.

Jack Burnett is chairman for this exhibit.

Ralph Hoover, instructor, will display an example of a farm blacksmithing arrangement, complete with equipment and tools.

Gerald Hill, AE sophomore from Los Angeles, will serve as chairman for the Related Subjects display. In this display, it will be shown in simplified manner, the time that the Agricultural Engineering student has to spend in completing his formal education.

Winding up the departmental displays is the Senior Project and Equipment Engineering. This display shows a student at his desk in the wee hours of the morning. The study lamp is on, a battered typewriter is in front of him, thumb-worm books lay open and scattered on the desk, the ash tray is full and so is the wastebasket. The clock shows 3 a.m.

Symbols of four years of college, the display has as its chairman Bryan Stone.



CHEMISTRY LAB ... A view of the modern chemistry equipment available to students at Cal Poly. Shown at left is Judd Morse who conducts experiments while F. J. Gelligan looks on. (Photo by Harvey Kilder.)

Aero Lab Offers Display Of 'Gadgets' As PR Activity

Missile guns! Polariscopes! Wind tunnel! Names not familiar to many people but Poly Royal visitors can learn more about these terms when they visit the college aeronautics exhibit. Missile guns, electronic triggering mechanisms and wind tunnels all will be demonstrated in the aeronautics laboratory located on Pepper Lane.

On exhibit will be fiberglass wings, the polariscopes, oscilloscope and many other interesting features.

In the aeronautics hanger located on the hill off Pepper Lane, demonstrations will include engine runups on 225 and 450 horsepower engines. Class projects, wing and fuselage construction and various types of aircraft used for maintenance instruction will be on exhibit.

Other aeronautic laboratories—stress, engine and drafting—will have exhibits and demonstrations of interest, says Lester Gustafson, head of the department.

An example in the magneto, generator and carburetor overhaul to be demonstrated in the engine laboratory. A demonstration on the maximum stress points of various types of metals used in aircraft will be shown in the stress section.

To top off the interesting features will be color movies illustrating aviation progress.

Officials and guides will be on hand at all sections to answer questions and explain the functions of the various exhibits. The displays will be open from 9 a.m. to 5 p.m.

Eugene Akers is student representative to the Poly Royal board. Students in charge of the various sections are Norman Tallion, Hob Mauldin, Vaughn Wright, Don Elliott, Lowell Shirley and Kermit Powell.

Saludos Amigos



For a Poly Royal treat enjoy the real south-of-the-border taste that chef TONY gives your food. With years of experience TONY prepares authentic Spanish food just the way you like it. You will want to eat at Casa Monterey to complete your week-end of fun at the 22nd annual Poly Royal. Poly students have enjoyed thousands of meals at Casa Monterey and we are sure that you will enjoy your real Spanish meal there.



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ME Majors Conduct Weld Tests On Oil Line Pipes

Tests at California State Polytechnic college on oil transmission pipeline welds may point the way to a possible change in the current practice of weld identification.

Mechanical engineering students James E. Dearing, Los Angeles; John W. Hughes, Jr., Oakland, and Gerald H. Schumacher, Placencia, working under the supervision of Richard C. Wiley, welding department head, have been testing pipe welds rejected in the field. The trio, working on an undergraduate thesis, subject the pipes to a fluid pressure as high as 3500 pounds per square inch before the pipes burst. The pipe, donated by a petroleum company, would carry under normal conditions pressures up to 1100 pounds per square inch, Wiley points out.

The department head explains that it is common practice for a welder to stamp his identification mark into the pipe on which he works.

"To date, the pipes have given way along the longitudinal lines of the letters or numbers stamped on the pipe," Wiley states, "this leads us to believe that sharp, deep impressions in pipe walls are more liable to cause breaks than defective welds themselves. If additional tests show the same results, it may mean that the industry will have to find another way to place identification marks on pipe, possibly by painting."

Not content with tests already conducted, Dearing, Hughes, and Schumacher are continuing work to determine the effect of factors other than internal pressure. Pipe welds are packed in dry ice and struck with a swinging weight. Results of these tests will demonstrate the effect of temperature variation and sudden blows upon the strength of welded pipe joints.

The 1942 Cal Poly Mustang baseball team did not suffer a single defeat during the entire season. Among their victories was a 22-0 win over Tulelake.

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PRACTICAL APPROACH ... Don Miller, electronics engineering freshman from San Luis Obispo makes final adjustments on a communications receiver which he has assembled and tested in the laboratory.

(Photo by Jim Dearinger)

Gus Beck Recalls Early Days Of Poly Royal

"It all started back in 1938 to give our boys some training in fitting and showing livestock", Carl G. Beck—better known as "Gus"—thus summed up the forerunner of the present day "Poly Royal", California State Polytechnic college's open house to the people of California.

The traditional "Country Fair on a College Campus" was launched on March 31, 1938, as a one-day affair with a smattering of outside visitors. Today, the event draws crowds of around 15,000.

"Back in the early thirties a show was held in South San Francisco called the Inter-state Junior Livestock show," Beck explained. The "Father of Poly Royal" said students at California Poly would gain experience in fitting and showing at Poly Royal in preparation for this show.

Beck went on to explain the Future Farmers of America chapter at California Poly put on the show until 1940. "As Poly Royal grew," he said, "the students realized the value of it, and by a constitutional amendment took over the function in 1940.

Advisor to Poly Royal since its inception, Beck recalled that in 1945—during the war years—Poly Royal consisted of a picnic barbecue, baseball game, barn dance, and tug-o-war between students and faculty.

Today Poly Royal consists of exhibits, demonstrations, contests and entertainment to give the people of the state a chance to see the results and effects of California Poly's learn-by-doing method of education.

Beck, an instructor in accounting and agricultural economics at the college, joined the California Poly staff in 1932. He studied at Colorado A. & M. college, and the University of California, and before coming to California Poly, he taught in California and Colorado high schools.

Part of the material excavated to build Walter F. Dexter Memorial Library was used to fill in the Poly airstrip.

Judging Contest Top Feature of Crops Department Poly Royal Participation

Highlighting the Crops department at Cal Poly's 22nd annual Poly Royal will be a judging contest under the direction of the Crops club. Chairman for the event will be the Crops club Poly Royal chairman, Bob Baymiller.

The club is also sponsoring a booth in the carnival, an extensive exhibit, and a dinner reception for club members, alumni and guests.

The judging feature is new this year. The contest and exhibit will be held in the palm-shaded patio of the college library. The judging contest is under the direction of Vern Shaw and Gene Mahlschau.

The chairman explains there will be 10 classes, each consisting of four individual plots, bales, or samples of specimens. Classes will be in field crops, fruits and vegetables. Each class will be placed by the contestants as to their relative worth on the market. No reasons will be given. One judging contest will be today from 9 a.m. to 2 p.m. and one tomorrow from 9 a.m. to noon. Prizes and awards made possible by San Luis Obispo merchants will be awarded the winners. The contest is open to all except Cal Poly students.

The crops exhibit will feature the Poly Royal slogan, "Learn-by-Doing" and will be divided into four sections—field crops, fruit crops and truck crops and agricultural inspection. The field crops section is under the direction of Byron Harrison and Fred A. Khudairy. Crops featured in the exhibit will include hay, cotton, irrigated pasture, hybrid corn, sugar beets and the seed crops. Demonstrations will include moisture testing of grains, seed cleaning and treating, seed drill calibration, and the planting and care of irrigated pastures.

The fruit section exhibit is under the leadership of John Hammond and Bob Neff. The exhibit will feature the actual performance of students in the Cal Poly fruit program. Demonstrations in the vine field will be made by Dave Fappiano, Bob

Aveblan and Steven Malech. Ross Culter will demonstrate pruning and grafting of deciduous fruit trees. Larry Mallory will demonstrate present day methods of testing fruits for proper maturity. Don Iden will show how to use the hand sprayer and what to use in the control of fruit pests on the home planting.

The vegetable crop exhibit is under the direction of Bob Krehbiel and Emil Yappert. Exhibits and demonstrations will include seeding methods, calibrating planter, application of chemical fertilizers and the packaging of vegetable crops.

Senior students from the Voorhies unit under the direction of Jim Lockhart and Stuart Hemstreet will conduct demonstrations in weed and rodent control and in the control of crop pests.

The Crops club participation in the carnival is under the direction of Russel Graham.

Plans for a dinner to be held Friday evening in college cafeteria is under the direction of John Bingham.

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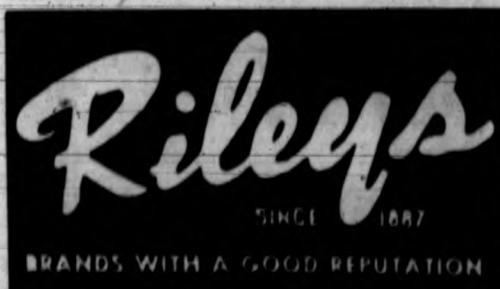
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High School Seniors From 18 Schools Are Special Guests for Poly Royal

Special guests at the 22nd annual Poly Royal celebration are senior students from 18 California high schools and junior colleges.

High school and junior colleges invited include: Reedley high, Caruthers high, Avenal high, Santa Barbara high, Coast Union high in Cambria, Sherman Hurroughs high in Inyokern, Delano high, Maricopa high, Central high in Fresno, Salinas high, Watsonville high, Pacific Grove high, Arroyo Grande high, East Bakersfield high, Hartnell college in Salinas, Reedley college, Santa Maria junior college and Monterey Peninsula college.

A "High School Senior Day", designed to acquaint young men and women with Cal Poly, is a new event planned by the student force sponsoring the "country fair on a college campus," claims William C. Smith, local student superintendent.

Glee Club members, representing all departments will act as official greeters, and meet buses as they pull up on the Cal Poly campus. The special hosting will continue throughout the day. Seniors will

see exhibits and demonstrations representative of work in all departments of Cal Poly's agriculture, engineering and liberal arts divisions.

Special attractions include a 20-panel exhibit on Columbia University's bi-centennial theme, "Man's Right to Knowledge and the Free Use Thereof", International Harvester's famous "Tractor Square Dance", sponsored by agricultural engineers, and a multitude of audience-participation contests and entertaining functions.

Planned especially for May 1 (Saturday) visitors, are a livestock judging contest, a milking contest, ladies' nail driving competition, Cal Poly style barbecue, band concert, and an inter-collegiate rodeo. An expected 15,000 visitors will attend the two-day display of educational wares.

Considerable growth in land and facilities of Cal Poly has been necessary to keep stride with the demand on the part of the students for wider offerings in agriculture, engineering, and related fields.



DEMONSTRATES INGENUITY ... Ken White, senior in mechanical engineering, is shown demonstrating a journal bearing tester he made as a student project. (Photo by Jim Dearinger.)

Mechanical Engineers Demonstrate Senior Projects and Lab Equipment

The Mechanical Engineering department Poly Royal exhibit this year will be based on "Let's Talk About Engineering Education in Engineer's Language."

Particular emphasis will be focused on the relationship between senior projects completed by former students and the laboratory equipment used in the courses. A great amount of laboratory equipment has been developed by the senior projects and this Poly Royal is an opportune time to indicate the extent of this work.

The projects reports themselves will be on display in association with the many actual pieces of equipment. Where it is impractical to bring the equipment to Classroom Four, suitable photographs will be used. Extensive photographs and probably a model of the new power plant and Mechanical Engineering laboratory will also be shown. Since the building is still under construction, the only way it can be seen is by a guided tour. Tentative arrangements are now under way

for such tours.

Mechanical Engineering majors in charge of the displays are: Society president George Patrick, Alfred M. Marquez, John Salter, Bob Reichman and Harvey Kidder.

One of the highlights of this exhibit will be a pictorial display of the various steps a neophyte student goes through to become a full-fledged engineer.

Soils Club Exhibit Demonstrates Land Evaluation

Basic fundamentals of land judging is the theme of the Soils club exhibit during the two-day Poly Royal open house.

Ideas, methods and means of land judging and evaluating land as to its proper agricultural use will be demonstrated by a series of exhibits. Emphasized will be practices and conservation.

Heading the exhibit committee are: Bob McGill, Jerry Kwan, Glen Shrader, Dale DeRemmer, Joe Sheffield, Bob Crawford, Bolton Johnson, F. J. Galligan, Wilbur Sloat, and George Leroy.

Livestock Judging Is Feature Of AH Department

Mrs. Housewife can now judge meat on the hoof with a trained consumer eye!

Demonstrations designed to show the originality of various consumer cuts—beef, pork, and lamb will be produced by animal husbandry majors at Poly Royal.

Students, whose education has included meat laboratory study, will mark various animals and accompany the live specimen with corresponding charts for easy identification.

Associated with the chart study will be a traditional animal husbandry display—the animal showmanship contest. Students groom and exhibit college-owned animals, competing against their classmates for top honors.

Showmanship features competition among students in beef cattle, swine and sheep. All animal husbandry displays will be centered in the football stadium, with activity reaching the highlight Saturday morning.

A sheep shearing demonstration and horseshoeing techniques also will be offered. The school for horseshoeing was recently featured in a national publication.

Additional visual-aids portraying learn-by-doing will be seen by visitors visiting the actual production departments. Animal husbandry instructors have announced that swine, sheep, beef and horse departments will be open for public inspection.

Coach Ed Jorgensen, a Chico State college graduate, '36, has been head basketball mentor here since 1947.

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PRECISION DRILL ... Cal Poly's popular ROTC drill team steps off to a lively "120-count" cadence. The platoon will be seen in action by visitors to the campus during the 22nd Annual Poly Royal, April 30-May 1.

Youthful Math Specialists Assemble On Campus For Annual Contest

Eighty outstanding high school juniors and seniors will assemble on the Cal Poly campus today for the second annual mathematics contest during Poly Royal.

Bachino and Stockird, San Luis Obispo insurance firm is sponsoring the \$100 scholarship, to be awarded to the highest ranking male contestant planning to attend Cal Poly. Six engineering slide rules will also be awarded as prizes, to be received by the three highest individuals and members of the highest ranking team of three. No school may enter more than three students.

Last year's winners were Robin Bacon, Atascadero, 1st; Sharon Goodwin, Shandon, 2nd; Karen Hellekson, Lompoc, and Richard Stoddart, Paso Robles, 3rd; (tie) Team awards went to the Atascadero high school team made up of Bacon, Larry Oglesby and Robert Presley.

Schools invited to participate this year are: Shandon, Coalinga, Lemoore, Hanford, Tulare, Visalia, Fowler, Selma, Kingsburg, Lompoc, Santa Maria, Arroyo Grande, Carmel, Monterey, Pacific Grove, Salinas, Cambria, San Luis Obispo, Mission, (S.L.O.) Taft, Maricopa, Wasco, Delano, Bakersfield, Santa Barbara.

Chemistry Dep't Plans Variety Of Experiments

What chemical reactions cause fire? What happens if you don't get enough vitamin A? What is the effect of antibiotics on corn? What does a Geiger counter look like?

Student-conducted demonstrations and extensive displays, sponsored by Poly's chemistry department, will answer these and many others when crowds invade the campus for this year's Poly Royal.

Serving to emphasize the importance of proper nutrition in the human diet, experimental animals with induced nutritional deficiencies will be on display in the biochemistry laboratory in CU W.

Students have produced these deficiency symptoms in white rats and chicks in order to study the effects of a lack of vitamins, minerals, and amino acids.

Corn plants that have been treated with streptomycin, along with untreated plants, will also be displayed in the biochemistry lab. Streptomycin, along with other antibiotics such as penicillin and terramycin, are being used to alleviate plant and animal diseases and to stimulate growth.

Explosions, incendiary fires, and chemical magic performed at regular intervals in CR 9 will stimulate the already interesting and educational chemistry program.

Also on schedule is an exhibit illustrating the requirements for the chemistry merit badge of the Boy Scouts of America, and a demonstration of the corrosion of inhibitors.

Modern chemical laboratory equipment such as polarimeters, Geiger counters, spectrum tubes, and Goldsch extractor will be included in the chemistry exhibit.

Students taking part in the program will include Rob Wilbur, Jim Connell, Philip Glatfelter, George LeRoy, Robert Ruth and Darrell Schermerhorn.

Carpinteria, Santa Ynez, Atascadero, Templeton, Paso Robles, King City, Gonzales, Avenal, Shafter, McFarland, Riverdale, Kernman, Bakersfield, and from the Fresno area Central Union high, Theodore Roosevelt high, Edison high, Washington high and Fresno high.

Welding Practices Highlight Exhibit

The Welding Department will feature for Poly Royal a series of demonstrations of the various welding and flame cutting processes used in modern industry today. These will include welding of aluminum and stainless steel with the inert-gas-shielded-arc process.

Displays will include welding design projects and welding inspection. X-ray films will be used to show how both good and bad welds appear on the film.

Displays will be handled by J. W. Hughes, Ray Sanchez, Tom Walker, William C. Stone, Gerald H. Schumacher, and others from the department.

There will also be a series of movies shown every hour on the hour. These movies will start at 12 noon Friday and run throughout the day. Showings will start at 10 Saturday and run throughout the day. Films will be shown in the Welding Department lab.

The titles are as follows: "Oil Across the Rockies", "Pipelining in Arabia", "Oxy-Acetylene Flame, Master of Metals", and "Titanium in Modern Jet Aircraft".

EE Students Show Prize Exhibit

The Electrical Engineering department display can be seen in the Electrical Engineering building.

The feature exhibit will be the exhibit which won first place award of \$800 in the 1954 Electrical Industry show. This exhibit, entitled "Let's Engineer an Engineer," was designed and constructed by the department with the idea of showing Cal Poly's technique of training students for the profession of Electrical Engineering.

Another feature will be an exhibit displaying the coloring effects of lights on different objects. An example of this is when a piece of green upholstery is placed under some kinds of lights, the upholstery will appear blue.

A phonically controlled train will be displayed. The operator gives commands into a microphone and the train starts, stops or reverses direction.

A bicycle and generator will be used as a man-power tester. The bicycle when pumped will turn the generator thus generating electricity which will be used to indicate the manpower of the operator on a calibrated scale.

A dial telephone system will be shown so that the user of the telephone will be able to see the inner workings of the system.

A Tesla coil will demonstrate some fascinating aspects of electricity.

W. R. Anderson will be guest speaker at a buffet dinner in El Corral at six p.m. Saturday, May 1, for returning EE Alumni.

San Dimas, the southern branch of Cal Poly, was devoted to California Polytechnic in 1953 by its owners, Charles B. Voorhis of Pasadena, and his son, former Congressman Jerry Voorhis.

MS and T Outlines Four-Year Cadet Program

The ROTC program at Cal Poly which begins with the freshman enrollee and ends with the commissioning of a cadet will be outlined for Poly Royal guests by the Military Science and Tactics department.

The West Point style "Branch General" ROTC program which was started at Cal Poly in 1952 is well into its second successful year. The Branch General program gives the cadet a rounded military training as compared to the traditional ROTC program of training in a specific branch.

Visitors will be able to follow the entire course as presented to a Cal Poly cadet—starting with the basic subjects and ending with the commissioning of the cadet. Also on display will be weapon displays, tactical problems, newest com-

munication equipment and many other educational features.

The popular cadet drill team will be seen in various events on campus during the two day event.

The exhibit is under the leadership of Cadet Lt. Col. Charles M. Shields of Oceano.

An added feature will be a display of trophies and awards that will be presented to outstanding cadets during the annual President's Review which is held later in the year. Sponsors of the awards are local civic organizations.

Poly Is Co-ed?

The legislative act which created Cal Poly included the statement that "the purpose of the school is 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 non-professional walks of life."

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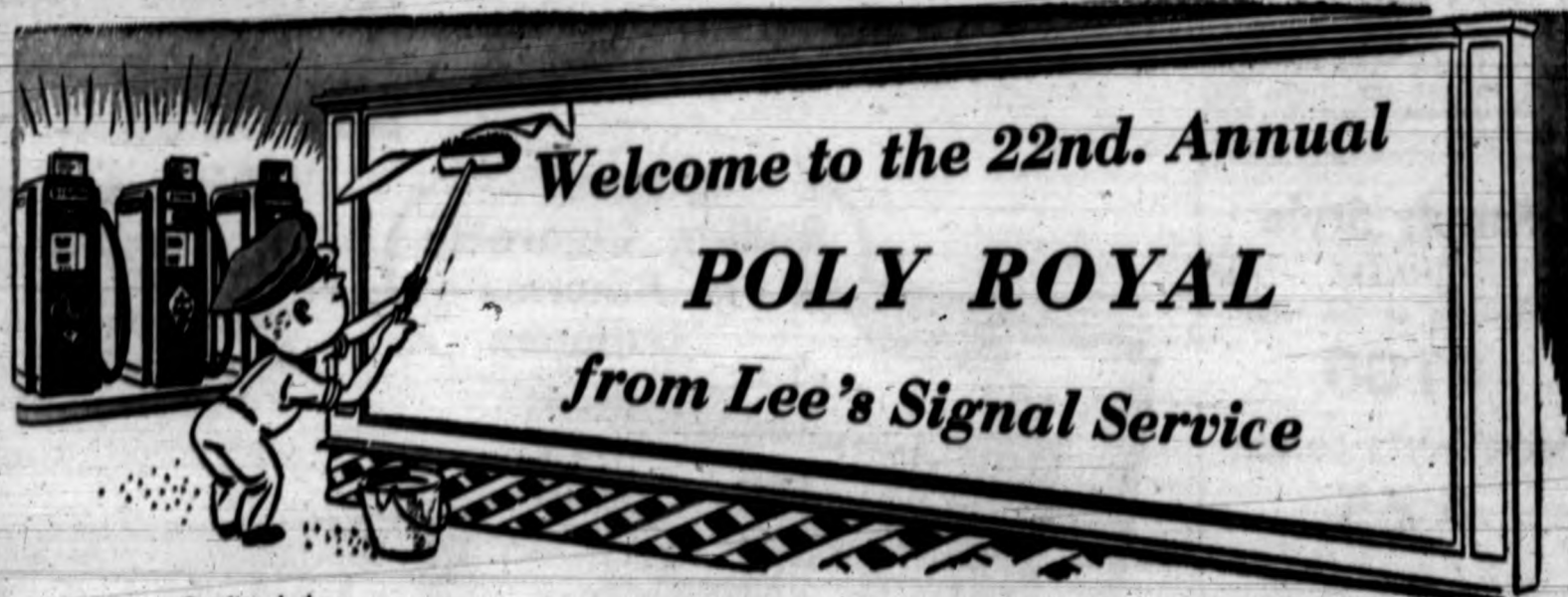
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Pictorial Display Chosen As Ag Journalism Theme

Topflight photography will again feature the Agricultural Journalism department's Poly Royal display, but there'll be some new twists for 1954. Long known for its photo activity, the West Coast's only ag journalism program will present its Poly Royal exhibit in two "illustrated sections," says Harold Spuhler of Strathmore, departmental exhibit chairman.

In the editorial and advertising center, basement of the Administration building, Poly Royal visitors will find four step-by-step series of photo enlargements showing how the reporter, the feature writer, editor, photographer and advertising man go about their respective jobs in today's realm of mass communications.

Just across the hall, in the advertising laboratory, some 100 prize-winning California news photos will be hung. They are supplied by the Associated Press as an addition to the ag journalism department's permanent news photo collection and their first public group showing, anywhere, will be at Poly Royal.

"While the general lay person will probably get the most entertainment out of this amusing, thrilling collection of outstanding news photos," admits Spuhler, "the step-by-step 'job-explainer' photos should be highly interesting, too."

"In so far as we can determine, it is the first time on the West Coast that the public can see in such detail how the news and photos and advertisements they read and hear are produced. After Poly Royal, these step-by-step photos will be preserved by the department as a means of orienting the freshmen majors who enter ag journalism each quarter."

"And since the journalism department is adjacent to Cal Poly's printing department, visitors can continue down the hall and see 'in one package' how the reporter's, editor's and ad man's work is finally put into print."

"All in all," Spuhler points out, "it comprises a display that would be difficult to find in any other college or university in the West Coast region."

The growing collection of photos of Cal Poly journalists out in the field also will be displayed—dramatizing the end-product of a program that has become one of the three largest of its kind in the United States.

With their numerous "extra duties," the ag journalists will be among Cal Poly's busiest departments. Almost every major has one or more publicity or public relations assignments to handle (many of them have been busy for weeks with pre-Poly Royal publicity chores). In addition, the department sponsors the annual California Agricultural Press banquet—set for the evening of May 1, this year, just preceding the Coronation ball.

Principal speaker will be Rod MacDonald, media director for

SHORT MESSAGE

Eugene Manlove Rhodes, the famous western novelist, used to recall with affection a certain New Mexico cowboy. "Not only was Jones a man-to-take along," Rhodes told us, "but he pocketed star money and went off for a spree in Denver. Two full weeks passed without any word. Then came the message: 'His... hoke... hoke!'"

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Welcome To
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Peculiarity of Budgetary Problems Told

By Robert Benson

Ever wonder why it takes so long to get equipment you need in your department? Don Nelson, Cal Poly's business manager, has the answer for you.

"In the spring of each year the department heads assemble their needs into a departmental budget with new equipment itemized and an explanation why it is necessary," says Nelson.

This budget is then carefully checked by the department's dean and he either accepts or rejects it. If it is accepted, he talks it over with the business manager and the president.

"In the case of equipment, they check to see if the department has any equipment like it or, if an-

other department has a piece like it that they can use," said Nelson. "Also they check to see if the state will okay the equipment ordered."

The president either accepts or rejects the budget. If accepted, it is sent to Sacramento where the Department of Education reviews it mostly for form.

Then the director of finance looks it over in terms of the whole state budget. If there is any controversy, the president and business manager go to Sacramento to defend it.

The president defends the principles behind the budget, while the business manager defends the details of it.

"If the director of finance ac-

cepts it," Nelson said, "the budget is sent to the legislature, which meets early in the spring to decide the budget for the coming fiscal year—July 1-June 30."

"If the budget is passed, the money is appropriated early in the beginning of the fiscal year and the money works its way back until the needs of each department are satisfied."

"A little less than three million dollars is spent each year at Cal Poly," said Nelson, who is business manager for all three campuses.

"Around \$2,800,000 is spent for support items such as running expenses, salaries and equipment," he said. "Around \$150,000 is spent on minor construction such as lighting, plumbing and wood work."

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