

Poly Royal Greet Thousands Today!

El Estrella Mustang CALIFORNIA STATE POLYTECHNIC COLLEGE

Vol. XX, No. 31

POLY ROYAL EDITION

Friday, April 24, 1959



BRIGHT FUTURE . . . Poly Royal Queen Anne Boyson, Junior Elementary Education major from San Luis Obispo, Ponders over some blueprints of Poly's building program in anticipation of the expected enrollment of 10,000 students here by 1975. This is to be Poly's bright future while evidence of the proud past is all around. Queen Anne is your official hostess for Cal Poly's two-day open house celebration. She will participate with President Julian McPhee in opening ceremonies this morning and will be crowned at the Coronation Ball tomorrow night. (Photo by Paul Grill)

Schedule of Events

FRIDAY MORNING

- 9:00 All department exhibits open
- Horse show, Bud Collet Arena
- 10:00 Opening Ceremony, President McPhee's Office
- 10:00 Math Contest Registration, Library
- 10:45 Math Contest Instructions, Main reading room
- 11:00 Part I Math Contest, Periodical room

FRIDAY AFTERNOON

- 1:30 Part II Math Contest, Periodical room
- 2:00 Intercollegiate Rodeo, Bud Collet Arena
- Baseball—Cal Poly vs. Fresno
- 2:30 Tennis—Cal Poly vs. Fresno, All courts
- 3:00 Firehouse Five plus Two Concert, Crandall Gym
- Swimming Meet—Cal Poly vs. Santa Barbara, Natatorium
- Presentation of Math Contest Awards, Library
- PLAY FESTIVAL—Temporary College Union

FRIDAY EVENING

- 5:00 Carnival opens, football stadium
- 6:00 Ag. Engineering Banquet, Veterans Memorial Building
- 7:00 Carnival Dance, Crandall Gym
- 9:00 Departmental exhibits close

SATURDAY MORNING

- 8:30 Dairy Fitting and Showmanship Contest, Dairy Unit
- 9:00 Department exhibits open
- Animal Husbandry Showmanship contest, football stadium
- 10:00 Adult Organization and young farmer judging contest, Stadium
- 10:30 Penguins Motorcycle Circus, Below Airport
- 11:00 Synchronized Swimming, Natatorium
- Barbecue, Poly Grove and North Cafeteria
- 12:00 Band Concert, Poly Grove

SATURDAY AFTERNOON

- 1:00 Synchronized Swimming, Natatorium
- 2:00 Intercollegiate Rodeo, Bud Collet Arena

SATURDAY EVENING

- 6:00 Mat Plus Pl Banquet, Anderson Hotel
- 6:30 Cal Poly Press Assn. Banquet, Edna Farm Center
- Salle Club Banquet, Breakers' Cafe, Morro Bay
- Architectural Engineers Banquet, Veterans Memorial Building
- 9:00 Rodeo Trophy Awards Dance, Crandall Gym
- Coronation Ball—Sports Arena, San Luis Obispo
- 10:30 Coronation of 1959 Poly Royal Queen

Famed Jass Band Slated for Two Performances

When it comes to great dixieland music, perhaps no other band in the land can compare with those famous Dixielanders, the Firehouse Five Plus Two.

The Firehouse Five travels to San Luis Obispo today to play for the 27th Annual Poly Royal carnival dance in Cal Poly's Crandall Gym at 8 p.m.

The amazing story of the Firehouse Five Plus Two is one of inspiration and challenge. If one did not know it to be true, it would be easy to believe that here was some fanciful tale straight out of Disneyland.

Their story began several years ago at the Walt Disney studios in Hollywood, where a group of animators, writers and technicians who loved jass, used to gather at lunch time to play for their own entertainment.

Although they played for their own enjoyment, their fame soon spread, and they found that there was increasing demand on their time. So they went professional.

Popularity for their original jass type playing came when most of the smart money said jass was deadlier than Prohibition.

Many explanations have been offered for the Firehouse Five Plus Two's spectacular rise, ranging from "sociological" analyses to notions of a longing on the part of the public to return to happier days of the Twenties, before the Great Depression, World War II, the A and H bombs, and the Cold War.

Perhaps the simplest explanation comes closest to the truth. They are in the unique position of playing only because they enjoy it!

The group still works for Disney, and with all their success, lunch hour at Disney studios still finds the band getting together and playing for their own pleasure, as well as to the delight of their colleagues at the studio.

The band comes to San Luis Obispo by train and will be met at the station by a Cal Poly student welcoming committee for a royal tour to the campus.

'Country Fair' Openhouse Promises Fun for Everyone

"Proud Past-Bright Future!" With this theme, Cal Poly throws open her doors today to an estimated 20,000 visitors who will throng here for the big two-day 27th Annual Poly Royal celebration. Poly Royal, "a country fair on a college campus," is one of the highlights of Central Coast spring activities.

President McPhee Is Poly Royal's Honored Guest

Each year the students of Cal Poly choose an "honored guest" for Poly Royal. By special student proclamation, President Julian A. McPhee is the "honored guest" of this year's "country fair."

Selection of President McPhee comes as a recognition of his 25 years of service as president of Cal Poly. Poly Royal "honored guests" have traditionally been leaders in California educational and professional fields.

Dr. McPhee, president of Cal Poly since 1933, has earned a national reputation as an educator and a crusader for vocational education. He has devoted more than 30 years to convincing educators and the public that our schools should train the "hands as well as the head."

As president of Cal Poly, Dr. McPhee today directs the work of its three campuses at San Luis Obispo, San Dimas and Pomona, which include the largest agricultural division and third largest undergraduate engineering division in the West.

Presentation of the proclamation was made by Ed McGraw, Farm Management major from Holtville, student general superintendent of Poly Royal and Carl G. Beck, faculty member who is known as the "father" of Poly Royal.

In part, the proclamation reads, "Whereas, Dr. Julian A. McPhee has devoted 25 years to the cause of education, and whereas California State Polytechnic College under his leadership has grown to be internationally recognized for its philosophy of technical education on a collegiate level; be it resolved that the 27th Annual Poly Royal be dedicated to him and that he be honored guest at this annual event."

Local Cowboys Defend Crown In Two-Day Rodeo

Having already won two rodeos this year and aiming for the West Coast title again, Cal Poly's rodeo team will host seven college teams in the two-day Poly Royal rodeo. Action begins in Bud Collet Arena each day at 2 p.m.

Other teams traveling here for competition will be Fresno State, Washington State, Pierce Junior College, Arizona State at Flagstaff, Arizona State at Tempe, Cal Poly at Pomona, and Oregon Technical Institute.

Cal Poly's riders and ropers won the West Coast title of the National Intercollegiate Rodeo Association last year and have served notice to other western teams that they have no intentions of giving up the crown. In the first rodeo this year at Tucson, Arizona, the local team collected more than twice as many points as any of the other teams present. Jack Roddy, Animal Husbandry major from San Jose, also brought home the all-round cowboy title.

The six main reasons why Cal Poly should take the title again this year are Roddy, Bill Nielson, Santa Cruz; R. C. Nunes, Roswell, New Mexico; Bill Stroud, San Jose; Riley Freeman, Baker Oregon; and Ray Hunsell, Oakland, Marvin Smith, Oakland, is the team alternate.

Featured events of the rodeo will include saddle and bareback bronc riding, bulldogging, bull riding, calf roping and ribbon roping.

Women's events will be barrel racing and goat tying.

Carnival games, dances, a horse show, rodeo, banquet, and a play festival are just a few of the events scheduled for the two-day event.

New this year at Poly Royal will be the play festival sponsored by the Cal Poly English department and the Western Speech Association. It will include one act plays presented by high schools from Fresno, Bakersfield and the Central Coast area.

Visitors will see displays and exhibits from all three divisions of the college, Agriculture, Engineering and Arts and Science, and will be able to take part in "audience participation" exhibits.

Visitors will be given an opportunity to test the horsepower of their cars by hooking them up to a student operated "dynamometer," part of the school's Mechanical Engineering department display.

Another engineering exhibit sure to please the children is the Douglas D-558-1 Skyrocket shown by the Aeronautical Engineering department on the Cal Poly airstrip. Also on display will be a helicopter and two jet engines.

The Cal Poly Dairy department will feature demonstrations of artificial insemination, and will sponsor a fitting and showing contest at the dairy pavilion tomorrow morning at 9:30, and a women's calf leading contest.

Animal Husbandry majors will stage livestock judging competitions in beef, swine, and sheep, tomorrow in Poly's gridiron stadium. The cream of Cal Poly's livestock will be on display as students compete for trophies on project animals.

Cal Poly's Agriculture Engineering department is sponsoring a ladies ball driving contest in the football stadium, and a "tractor-go-round" for the children on the engineering shop patio. Behind the shop will be early California farm machinery that has been restored and is displayed in contrast to 1959 models.

There won't be any baby-sitting problems during Poly Royal, according to Miss Marjory Elliot Home Economics department head. The Home Economics department is offering free child care service this afternoon and from 10 a.m. through 5 p.m. tomorrow. Children from two to five will be cared for in two-hour periods.

The Printing department will have many pieces of equipment in operation during Poly Royal, including teletypewriter, equipment, linotype machine, letterpress, and offset lithography equipment.

Other outstanding features of the two-day festival include a flower show, fruit judging contest, glassblowing exhibits, synchronized swimming demonstrations by Cal Poly swimmers, and a basketball game between the Fresno Bulldogs and the Cal Poly Mustangs.

Tonight will feature the gay 80-booth carnival in Mustang stadium, and a carnival dance with music by the Firehouse Five Plus Two, in Crandall Gym. Price of the dances is 20 cents.

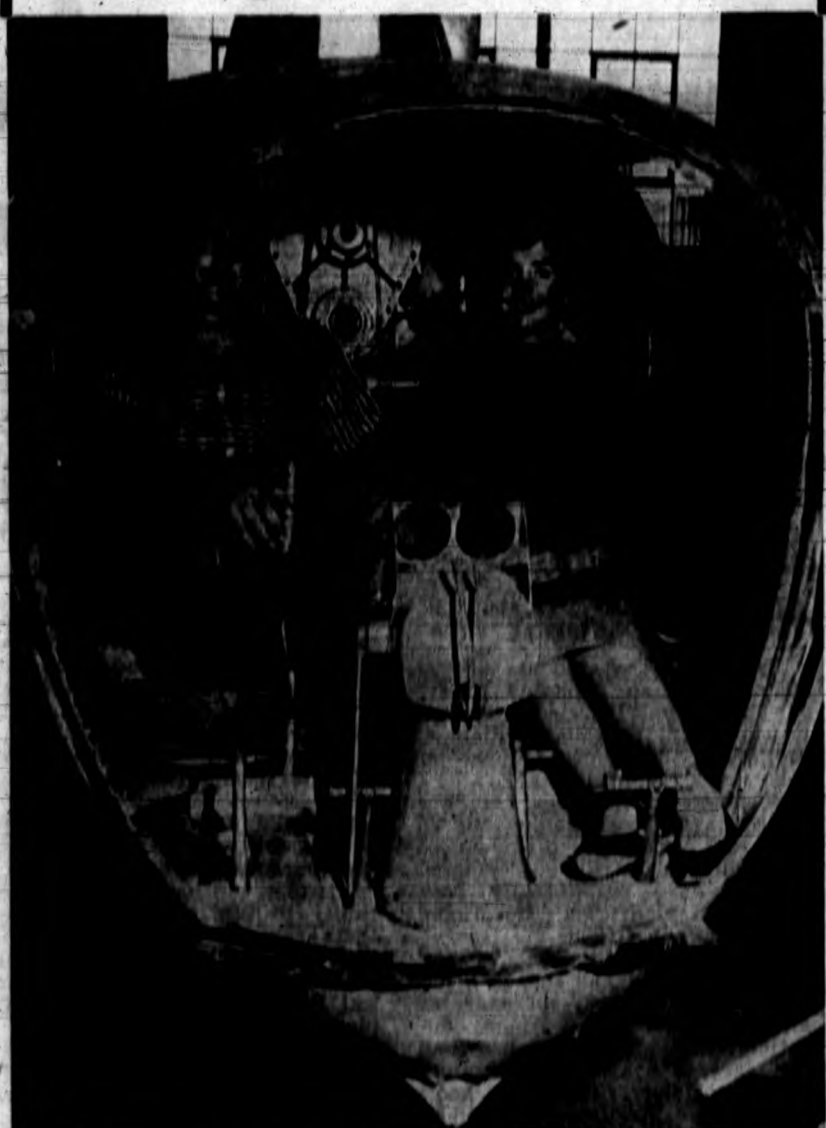
Winding up the Poly Royal celebration will be the formal Coronation Ball in the Camp San Luis Obispo Armory Saturday night. At the Ball Queen Anne Boyson will be crowned in a traditional ceremony ending the festivities.

Marshall Jewelry Presents Wristwatch to Queen Anne

The Marshall Jewelry Company of San Luis Obispo was the donor of a Gruen wristwatch given to Queen Anne Boyson as a remembrance of her reign during this Poly Royal. The gift was presented last night at the Queen's reception.

Marshall's Jewelry also presented Jean Soares, Jean Bates, Sue Bromley and Jean Stevenson, the royal court, with engraved bracelets.

Queen Anne



SET FOR TAKEOFF . . . Well, not really. But Queen Anne Boyson and Jim Jennings, Aeronautical Engineering major, sit in a cutaway helicopter at the campus hangar. Included in the equipment on display will be one of the first jets made in the United States. Photo by Grill

Library Features Texts Penned Here

The library's Poly Royal exhibit will have an accent on books and periodicals written by Cal Poly staff members.

Bulletin boards and book displays will follow a springtime theme through the use of pastel colors and flowers while accenting the books. In connection with the Poly Royal theme "Proud Past", a collection of interesting pictures of Cal Poly taken from the library's archives will be shown in the foyer and browsing room which will then be converted lounges for relaxation.

Books included in the display of Poly's authors are "Market Hog Production Line" by Russell K. Anderson; "Insects: Identification Manual for Use in Agricultural Education" by Dale Andrews; Harold Cott, Paul Robinson and William Troutner; "Problem Oriented Teaching and Pupil Achievement in Vocational Agriculture",

by Dale Andrews; "Arc Welding Manual", by Enrico Bongio and Richard Wiley; "Experiments in General Physics", by Woodford Bowls, Lewis Hammit and Robert Holmquist; "Profitable Sheep," and "The Sheep Enterprise," by Spelman B. Collins; "Mathematics and Logic for Digital Devices," by James T. Culbertson; "How to Grow Field Crops in California," by Paul Dougherty; "Pomes," by Alvin Foote; "Practical Experiments in General Bacteriology," by Rufus Clay Hatfield; "Experiments in General Chemistry," by A.L. Houk and T. M. Riekensrud; "Biochemistry in Agriculture," by Bruce Kennelly; "Experiments in Organic Chemistry," by Bruce Kennelly and A. L. Houk; "Occupations in Radio," and "Practical Exercises in News Writing," and "Survey of Journalism," by Douglas W. Miller; "Problems for Modern Engineering Drawing Series I," and "Problems for Modern Engineering Drawing Series II," by R. Wallace Reynolds; "Engineering Fundamentals," by Joy O. Richardson; "How to Write Successful Business Letters in 15 days," by John P. Siebel and Edward P. Rogers; "Six steps Toward More Successful Job Applications," by John P. Siebel; "Welding Process and Metals of Welded Construction," by Glen E. Seeber.

Mr. and Mrs. Harry Lacterman
Proprietors

Lacterman's

"Junior" and Women's Apparel - Fur

The Newest
Most Modern
Specialty Shop
In Town

Exclusive home
for several
nationally accepted
brands of junior
sportswear, casual
and dressy attire
for the co-ed

Phone LI 3-4936
749 HIGUERA
corner Garden
San Luis Obispo

Hangar Houses Testing Equipment

Ladies! Hammer Skill Wanted

by Carol Bucher

Ladies—here's your chance to shine! As part of the many activities during Poly Royal, the Agricultural Engineering department will sponsor a nail driving contest for women only. The event will be held in the football stadium.

While mom is driving nails, the kids will find entertainment on the "tractor-go-round" on the engineering shop patio. Behind the shop dad may see early California farm machinery that has been restored and displayed in contrast to 1959 models.

The whole family will enjoy touring the campus on the wagons sponsored by the department.

Other items on display in shop number three include engines used for farm power, items used in class for instruction of rural electrification and some equipment used commercially in the field. There will be a display of tools of instruction and those used in the field of soil and water.

Projects constructed in Ag Mechanics and farm structures classes will be on display along with lab demonstrations in shop number five.

Rud Pinham, Ag Engineering major from San Luis Obispo, is in charge of the displays for the department.

As part of the 30th anniversary celebration of the first Ag Mechanics technical degree, returning '39 and '49 graduates will be honored at the annual Ag Engineering banquet tonight at the Veterans Memorial Building. The banquet begins at 6:30 and will feature Dr. E. S. Hart, President of the Food Machinery Corporation as guest speaker. Tickets are available at \$3 per person.

William Kirkpatrick will also be honored by the department at this time. He received the first Bachelor of Science Ag Engineering degree ten years ago.

Ag Engineering curriculum prepares students for engineering positions with farm machinery and equipment companies, manufacturers and distributors or irrigation equipment, government agencies such as the soil conservation service and other positions requiring technical training in Ag Engineering.

Dr. Hart began his career in Agricultural Chemistry with the Niagara Sprayer and Chemical company and was in charge of sales and research until the business was purchased by Food Machinery in 1948. He became president of the company in 1956.

He has been past president of the National Agricultural Chemical Association, past chairman of the board of directors of Manufacturing Chemists' Association, and chairman of the Finance Committee. He is a graduate of Michigan State University and holds the Doctor of Agriculture degree from that university.

Effectiveness of the Cal Poly philosophy of education has been confirmed again by the granting of unrestricted accreditation for another five years by the Northwest Association of Secondary and Higher Schools.

Poly Airman Display Rare Jet Holding Old Records

by Dave Kempf
Editor, El Mustang

One of two remaining Douglas D-558-I Skystreak airplanes will be on display at the airstrip today and tomorrow as part of the Aeronautical Engineering exhibit. Of three built, one crashed and the other is in the Smithsonian Institute. In 1947, the big jet set two world speed records. Visitors wishing photographs may have their pictures taken sitting in the cockpit of the big plane.

Chairman of the Aeronautics display is Jim Crowder, Los Angeles. His assistant is Lee Gilbert, Holtville.

Freshman aero displays will include riveting demonstrations with

audience participation. In Aero lab 121 there will be classification of antique engines and disassembly of Wasp Jr. engines. Experiments in calibration of test instruments and equipment demonstrations will be shown in lab 122. A continental aircraft engine will be run in the test cell showing how a fuel consumption and performance test is worked. John Keyes, Santa Barbara, is chairman.

Sophomores will show their wares in Engineering Building rooms 244, 245, and 246. Drafting displays with one plate broken down into sections to show procedure in making drawings and cartoon posters to explain drafting techniques will be featured. Light airplanes will be suspended from the ceiling. Dick Ayres, Riverside, is chairman of the sophomore exhibit.

Gilbert will direct the junior class exhibit in the stress analysis lab at the hangar. It will include a simple cantilever beam equipped with strain gauges and a platform on which visitors can sit. From the deflection measured by the gauges, the person's weight can be determined. Some typical stress test setups will also be shown.

Juniors will present posters showing the principles of flight and low speed wind tunnel in the aero dynamics lab.

The propulsion lab will be the scene of the senior display. Two jet engines of the type used in the Skystreak, one partially disassembled, will be shown.

The J-16 jet engine was the first jet engine made in this country and will be shown in a cut-away view. It is a \$125,000 rocket engine package.

Senior projects for viewers will be supersonic blowdown wind tunnel, Schlieren apparatus for viewing wind tunnel tests, ballistic range where projectile is fired like bullet, and plasma, a jet which generates very hot gas at high mach numbers. Gordon Wall, Winterhaven, is senior chairman.

Engineering Building room 1 will have a complete outline of the Aeronautics curriculum as shown in the college catalog. It will be thoroughly illustrated with books, papers, drawings, reports and special projects.

High school students from Salinas to Santa Barbara and personnel representatives from industry have been invited.

Talented Cinder Performer Tabbed All-Around Man

by Frank Gordon

Versatile is the word for Vic Hall, Cal Poly's talented track star. A sophomore, Hall has competed in seven meets for the Poly thinslads this season and has set three school records, and helped set another. This outstanding display has prompted Coach James Jensen to call him "the best trackman in Cal Poly history."

Hall, from Los Angeles, can do anything asked of him. So far this year, he has competed in the high and low hurdles, the 100 and 220 yard dashes, the 440, the mile relay, the broad jump, and the high jump. He holds the school record in the century (1:09.4), the 220 (1:21.2), and the 220 low hurdles (1:28.4). He was also anchor man on the relay team that broke the mile relay record, running it in 8:20.1. Vic's time for the final 440 was an amazing 47 seconds. He also broadjumps consistently around 22 feet.

Jensen believes that Hall is a good possibility for the Pan-American team in "either the 220, 440, or low hurdles, or possibly the 400-meter hurdles."

He continued to praise Hall as "an excellent dash man, but better in longer events like the 220 or 440. This is because of his strength and ability to carry speed."

The talented trackman was born in Kansas City 21 years ago. His family moved to Los Angeles when he was 6, and he later attended Fremont high school where he was a football, basketball, and track star.

In 1955, while still at Fremont, Hall competed in the California State Decathlon meet, finishing fourth. It was here that he set a

(Continued on page 3)

CORSAGE SPECIAL for POLY ROYAL



Cumbidium Orchid Corsages
2 BLOOMS FOR \$1.25

Nice selection of colors also White, Pink, Lavender Cattalaya Orchids
Pink, Yellow, Red Sweetheart Roses. Large selection of colors in
Carnations and of course Gardenias

ALBERT'S FLORIST
FLOWERS OF DISTINCTION

1116 Morro St.

LI 3-0567

For the Best Poly Royal

Its' —

ECONOMY DRUG CO.

Open 7 Days A Week

9 a.m. to 9 p.m.

Complete
Prescription Department
To Serve You

COSMETICS

Tussey—Sabonstein—Boudon
Frances Denny—Lawrie

We Give S&H Green Stamps

796 Higuera

LI 3-7656

Spotlight Falls On Air Engineers' Senior Projects

Thermocouple instrumentation of equipment and departmental senior projects will be on display in the Air Conditioning and Refrigeration department. All exhibits will be in the Air Conditioning building.

Senior projects from the department on display will be an air washer, F-22 Brine chiller, air distribution system, two-stage refrigeration system, pony brake and thermoelectric cooling model.

Test lab exhibits will include equipment in operation, thermocouple instrumentation and curriculum display.

Special feature of the departmental Poly Royal activity will be a rest haven in the Air Conditioning courtyard.

Chairmen are Don Martin, Inglewood, Royce Mayfield, Calexico Norvel Nay, San Luis Obispo, Larry Cobb, Alhambra, and George Kiler, Baywood Park.

The department with equipment conservatively valued at \$100,000, prepares students for the planning, inspecting, testing, and selling of refrigerating, heating and air conditioning equipment and systems. Graduates find employment in the fields of quick freezing cold storage steam heating, comfort air conditioning, industrial air conditioning, design and testing of air conditioning equipment for atmospheric test chambers airplanes, and submarines.

El Mustang

California State Polytechnic College
(San Luis Obispo Campus)

Editor—Dave Kempf

Advertising Manager—Jeannette Briggs
Business Manager—Pauline Abby
Production Manager—Bill Wheeler,
Phil Rittenband

Published twice weekly during the school year except holidays and examination periods by the Associated Students, California State Polytechnic College, San Luis Obispo, California. Printed by students majoring in Printing, Division of Engineering. The opinions expressed in this paper are the views of the writers and do not necessarily represent the opinions of the staff, views of the Associated Students Body, nor official opinions. Subscription price \$5.00 per year in advance. Office, Room 21, Administration Building.

MARV'S HOBBY SHOP

- Flying Models
- HO gauge railroads
- Hobby and Craft supplies

755 Marsh St.

LI 3-9943

Bert Franklin

Salutes

27th

annual

POLY ROYAL

- Radiator Repair
- Muffler
- Wheel Balancing

Monterey at Torrey

San Luis Obispo

Princess Playtime



SNOW IN APRIL... The snow is man-made and came from a brine chilling machine in the Air Conditioning and Refrigeration Engineering lab. Princesses Jean Somers (left) and Jean Stevenson play catch with the snowball in the lab which will be open today and tomorrow showing the latest in equipment for keeping your home comfortable. Photo by Grill

Industrial Engineers Show Latest in Office Machines

by Roland McGee

The Industrial Engineering departmental display will include everything from a production laboratory to the latest in office machine. Departmental activities, under chairmanship of Ferd Basler, will feature among its exhibits actual production processes such as a machine tool operation and several foundry operations. A high vacuum pumping system, one of the outstanding senior projects will demonstrate the skill and imagination so necessary to the Industrial Engineer.

William Kassen, in charge of the freshman class exhibit, is featuring a group of late model office machines. Office procedure in the freshman labs will complete the display.

The sophomore class, supervised by Emil Saxberg and John Killany, plans to center their display around the actual manufacturing of a pencil holder keychain. Visitors will be able to follow the process through the various steps, from stock to the finished product, in about five minutes. The sophomores will also show many foundry procedures.

Bob Colbaugh will lead the junior class in displaying plant layout and production control and planning procedures. An actual plant layout will be the center of attraction.

Tops in the senior class exhibit will be high vacuum pumping system designed and built by Jack Coffelt. A vacuum metallizing procedure will be demonstrated with this system. Jesse Crews, senior chairman, will have other senior projects on display plus motion and time study techniques.

For the hungry youngsters, the Industrial Engineering department will have hot dogs, ham-

burgers and soft drinks. There will also be a place for the adults to sit down, relax and enjoy a cup of coffee. This will be available at the outside concession jointly operated by the Industrial Engineering Men's and Wives' club under the direction of Bill Lawless and Bill Potter.

Cinder Man

(continued from page 2)
state high school record for the 100 meters that still stands, 10.8 seconds.

After high school graduation, Via headed North and enrolled in Oregon State College. He played freshman football and track there, leaving his name in the record books by tying the freshman school mark for the 100-yard dash. His time of 10.1 seconds was accomplished at the Willamette Relays in a driving rainstorm.

Via transferred to Cal Poly in January, 1958, but was forced to sit out a year because of the transfer rule.

Since he could not run for the Mustangs last spring, Via joined the Los Angeles Striders and achieved recognition as the Los Angeles Athlete of the Week for his performance in the California Relays in Modesto. He ran the anchor lap for the Striders in both the 440 and 880 yard relays, and came home first in both of them.

No Past, Bright Future Is Theme of New Department

Cal Poly's newest department, Technical Arts, will be making its debut in Poly Royal displays this year. The theme is "No past, bright future."

The display will be an explanation of the Technical Arts department Pictures will show the various courses students take and will also explain the teaching and sales option offered in the field.

The department will also show job opportunities and its future on this campus.

Exhibits will be in Science Building E-33 and an adjacent patio.

Technical Arts wives will be furnishing free punch which will be contained in an inverted B-24 Bomber Dome. Also there will be a mechanical display of different job opportunities offered Technical Arts graduates.

Department Head Dr. Carl C. Cummins emphasized that the entire display was constructed without finances.

A summer science training program for secondary students will be held at Cal Poly, San Luis Obispo, for four weeks starting June 22.

SAVING TIME at
A SERVICE HERE AND THERE

Farmer's Hardware and Equipment Co.

- Builders Hardware
- Plumbing Supplies
- Electrical Equipment
- Tools and Garden Supplies
- Wire Fence
- Rope and Chain
- Sporting Goods
- Paint



San Luis Obispo
581 Higuera

LI 3-7102

CONGRATULATIONS

TO

CAL POLY

On their 27th Anniversary

Of Poly Royal

LUCKSINGER MOTORS

1255 Monterey St.

LI 3-1015

Welcome Poly Royal Guests

TAKE

the right step

MORT'S

Pipes, Cigars, Tobacco, & Sundries

1212 Higuera

Lou Mandes

Tom Collins

LI 3-2449



ALL TIED UP . . . Getting their ropes warm and ready to go are members of the Cal Poly rodeo team. The gal they have tied up is this year's Poly Royal rodeo sweetheart, Gerrie Warshawski, Victoria, B. C. Team members from left to right are Bill Nielson, Riley Freeman, Carla Kaufman, Merna Muller, Ray Sannell, R. C. Nunes and Jack Reddy. They will be seen in action in Bud Collet Arena today and tomorrow.

NOW! At the Foster Freeze Corner

FRESH BEST
Oven-Baked PIZZA IN
DAILY TOWN
Open 11 to 11
590 MARSH at NIPOMO — DRIVE IN — PARKING



Ribbons
Carbon Paper
Adding Machines
Underwood Typewriters
Portable Typewriters
Friden Calculators
Desks—Chairs
Files

**Marshall
Business
Machines**

STOP IN AND SEE
Frank G. Marshall
1453 Monterey St.
San Luis Obispo
Phone LI 3-2914



CONGRATULATIONS

CAL POLY

On its 27th Anniversary
of Poly Royal

MAINO

Construction Company
Inc.

2238 South Broad Street—Liberty 3-7411

Digital Computer Slated for Show

One of the Electrical Engineering department's proudest achievements, a digital computer, goes on display today and tomorrow in room 62 of the Engineering Building.

The project of building the working model has been going on for two years. Components have been built as senior projects and lab projects in the digital computer course and in a special problems course.

A departmental spokesman said that although the computer will never reach a size or complexity necessary to do work on actual problems, it will perform the functions of the large scale computers well enough to demonstrate the principles used.

Presently the main shifting register and the serial adder have been linked and the computer is ready to do addition problems in the binary system. Memory components have been built, and the next job is to link the memory and

control circuits to the arithmetic unit.

Students working on the project, present and past, are Harry Olmstead, Robert Mints, Robert Wilson, Jerry Allen, Robert Cameron, Richard Cramer, Gerald McEwen, Robert Okimoto, Donald Pine, Tom Voorhies, Richard Eckerman, Rogers Harder, Charles Jones, Bruce Liebel, Thomas Schults and Alfred Lindsay. All are Electrical Engineering majors, except Liebel and Lindsay who are majoring in Math.

Other departmental displays will be in rooms 61, 68 and 78 of the Engineering Building.

Knapp Shoes

Shoes 4-18 Dress and Work
D.H. Hotchkin, Res. Salesman
545 Higuera Space No. 23
Ph. LI 3-6870 Collect
San Luis Obispo

WASH, DRY, FOLD

"soap free" all for
50c Per Load

shirts and pants
hand ironed

CAL PARK LAUNDROMAT

839 Hathaway St.
By Tuttle Market
LI 3-9815

BOB'S CAR WASH

Washing & Polishing

Open 8:15-5

Closed Sundays

1023 Marsh Street
LI 3-6943

the **FUNNIEST**
Dog-gone adventure
that ever happened!



WALT DISNEY'S
THE SHAGGY DOG

STARRING
Fred MacMURRAY, Jean HAGEN

Produced by BOWEN LLOYD FOR DISTRIBUTION CO., INC.

FREEMONT



MATH MACHINE . . . Shown here is a Cal Poly version of a digital computer. Two years in the making, components have been built as senior projects, and as lab projects in the digital computer course and also in a problems course. It will be on display in Room 62 of the Engineering Building. Giving it a pre-Poly Royal tryout are Queen Anne Boyson, Charles Jones, Richard Dickey, Electrical Engineering instructor and Don Pine, president of Poly Phase.

Architects Show Building Models

Usually presenting one of the more popular displays during Poly Royal, the Architectural Engineering department will again this year show visitors the latest ideas in building designs and models.

Student work and projects will be the backbone of the exhibit under the direction of Mike Thel-

acker and Donn Faulkner, both of Los Angeles.

Among several senior projects on display will be city plans for Pismo Beach and Santa Maria, a compression ring structure, a plan for a Y.M.C.A. camp and plastic structures of modern buildings.

Student architects will hear Charles Luckman, an American Institute of Architects officer and member of Pierre and Luckman Architecture firm in Los Angeles, at the Architectural Engineering department banquet tomorrow night at the Veterans' Memorial Building at 7 p.m.

"O.K. Junior"
RUN UP AND DOWN
THE SCALE ONCE MORE,
JUNIOR, THEN YOU
CAN GO OUT
AND PLAY

**FOLLOW JUNIOR
IN THE ADS
RUN BY**

OK Rubber Welders
B.F. Goodrich
Willie Watts
LIBERTY 3-7411

We have
THE FULL LINE
Whirlpool
FINE APPLIANCES

IDLERS



Washers — Dryers
Refrigerators
Ranges — Kitchens
Freezers — Disposers
Vacuum Cleaners
Dishwashers

1458 Monterey St.

LI 3-5330

Cal Poly's Enrollment Here Stands at Even 4,000

Enrollment for the spring quarter here at Cal Poly stands at an even 4,000 students. A breakdown by divisions places 1,984 students in Engineering, 1,040 in Arts and Sciences and 976 in Agriculture. There are 48 limited students. Last year's spring enrollment was 3,957.

BANKS RADIATOR and BATTERY SHOP

STUDENTS, FACULTY DISCOUNT

Red Building, 21 years
At 1011 Tero St. San Luis Obispo



HONORED GUEST . . . Carl Beck (left) and Ed McGrew (right) present President Julian McPhee with a proclamation which proclaims him Poly Royal's honored guest on his 35th anniversary as president of Cal Poly. The honor was bestowed on President McPhee by the Poly Royal Board. Beck is advisor and originator of Poly Royal and McGrew is student general superintendent.

Engineering Adds New Major in Fall

Metallurgical Engineering will be offered beginning in September following approval by the California State Board of Education of the offering of the Bachelor of Science degree in that subject by the College. Using the present welding department as a nucleus, the college is organizing a welding and metallurgical engineering department to offer the curriculum leading to the new degree. Richard C. Wiley, who has been chairman of the Welding Department since 1946, is to head the new Welding and Metallurgical Engineering Department.

Before joining the Cal Poly faculty, Wiley was senior welding engineer at the Joshua Handy Iron Works and had been employed as welding engineer or consultant by the Bechtel Corporation, Linde Company, and X-ray Engineering Company. He is a member of the American Society for Metals, the American Society of Mechanical Engineers, and the American Welding Society. In connection with the latter he is a member of its Educational Activities Committee and chairman of its sub-committee on student membership.

The first two years of the new curriculum in metallurgy will be offered beginning in September, 1959. The third year will be added in 1960 and the fourth in 1961. Cal Poly will become the fourth institution of higher education in California to offer a curriculum in metallurgy. Others are San Jose State College, Stanford University and the University of California with the last two offering primarily graduate programs.

Cal Poly administrators see a service to be rendered in the field of metallurgy inasmuch as California does not graduate as many metallurgists as it hires and the nation as a whole has a demand for 1200 in this field annually but graduates only 500. Enrollment in the Cal Poly department is expected to reach a total of 200.

2½ Tons of Meat To Be Barbecued Tomorrow at Noon

More than 4,000 pounds of sirloin steak, 1,200 pounds of chicken, 450 pounds of chili beans, and over 800 gallons of lemonade. That's a partial list of foodstuffs being served during the popular Poly Royal beef barbecue in Poly Grove tomorrow at noon.

Add to that list 100 gallons of coffee, 10 crates of lettuce (for salad), 5,000 rolls, and 6,000 ice cream bars, and you have a menu to tickle the taste of any gourmet. Poly Royal guests have traditionally been treated to a royal barbecue, and the 27th Annual Poly Royal is no exception. Chefs for the barbecue are Cal Poly instructors, under the expert direction of Jack Bertram, and Charlie Penwell, manager and chief cook respectively for Cal Poly's cafeteria.

Carnival Opens at 3 p.m. in Football Stadium

The Poly Royal carnival opens tonight at 3 in the football stadium and will run until midnight.

The "country fair" type carnival will have more than 80 booths with games of chance and the opportunity to win prizes.

A booth so popular last year and sponsored again this year by the Farm Management department is the dunking game with student body officers and other prominent students sitting on the platform waiting for a "bath."

During the barbecue, the Cal Poly band will play music in front of the Administration Building.

BARR'S



DRIVE-IN RESTAURANT

—For Your— JEWELRY NEEDS

- Watches
- Diamonds
- Clocks
- Lighters
- Shavers
- Jewelry

DON ANDREWS JEWELRY

Authorized Southern Pacific Watch Inspector
1009 Higuera LI 2-4549

ask about the free lubrication and wash rack
Pete's Wilshire Service
Chorro & Foothill
LI 2-7881

—Discount to Poly students on all tires



20¢ wash 10¢ dry
coin operated self service

Speed-E Laundromat

Open daily 7 a.m. to 11 p.m.
College Square Shopping Center

GLIDDEN PAINT CENTER UNFINISHED FURNITURE

College Square Shopping Center



Wrought Iron and Turned Wood Legs
Complete Line of Finishing Materials
Record Cabinets
Book Cases
Chairs & Desks

894 Foothill Blvd.
LI 2-8886



• STANDARD
• PORTABLE
• ELECTRIC
TYPEWRITERS

John NELSON OFFICE EQUIPMENT CO.
"Best Trade-in and Budget Terms in Town"
690 Higuera LI 2-7847

PLENTY OF FREE PARKING

College Square Barber Shop

4 chairs to serve you

Air Conditioned for your convenience

NOW we have a special appointment chair. Just call and we will be ready when you arrive.

—No waiting—

MOST MODERN SHOP IN TOWN

Closest Shop to Poly
LI 2-8884
882 Foothill Blvd.



Ladies Hair Styling and Cutting

HURLEY'S PHARMACY



PRESCRIPTION SPECIALIST

- G.W.s
- Sundries
- Stationery

—we back for mailing—
895 Foothill Blvd.
We Cash Student Checks

BEST WISHES

To Cal Poly in observance of its
27th Annual

POLY ROYAL

COURTESY

MADONNA INN

Master Plan



SENIOR PROJECT . . . Mike Kohl senior Architectural Engineering major from Napa, shows a proposed master plan for the Santa Maria Fairgrounds. Kohl and Don Goldman of San Diego, have been working with the Western Fairs Association in streamlining fairs and making exhibits less expensive and more colorful. Their project will be on display along with other exhibits in the Architectural Engineering department. Photo by Grill



LITTLE THEATRE . . . Queen Anne Boyson here shows a model of a small college theatre constructed as a project in the Architectural Engineering department. Usually presenting one of the most popular exhibits on campus, the architects will show the latest building designs. Also a number of senior projects will be on display. Photo by Grill

Welcome

to the

27th annual Poly Royal

Brown's MUSIC STORE

"Everything Musical"

Alumni- Drop in and see

G. B. "Gil" Brown

717 Higuera

Class of '48

LI 3-8041

Western Fair Men To Take Notes At Poly Royal

Seeking means of improving the educational value of fairs throughout the west, Western Fairs association will sponsor a College of Fairs Educational Field Day here during the second day of Poly Royal. Purpose of the field day will be to give fair managers and staff members an opportunity to observe methods used students in Cal Poly's divisions of agriculture, arts and sciences, and engineering.

"Since many of the problems facing students putting together displays for Poly Royal are the same as those that face fair managers, our people would like to know how these problems were solved," explained Robert M. Stein, assistant manager of the Western Fairs association.

The fairmen will tour specially selected departmental exhibits including those in home economics, electronic engineering, architectural engineering, crops, poultry and the annual Flower Show of the Ornamental Horticulture department. Personnel who designed and constructed the low-cost exhibits will be on hand to describe the display techniques used. The fairmen will also visit the child care laboratory of the home economics department where children of Poly Royal visitors are being entertained.

Some 80 fairmen from all parts of California including Assistant Manager Stein and Joe Bionke, director of public relations of the Western Fairs association will attend the field day. Dick Turley, Manager of the Douglas County Fair at Roseburg, Oregon, will fly to the Cal Poly campus by private plane to participate.

Cal Poly has a diversified student population with a foreign student group representing about 80 of the nations of the world, with students from every part of the United States, and with urban and rural sections of California widely represented.

Journalists Show Poly Publications

by Linda Hancock

A look at Cal Poly publications from the editorial and advertising side is offered Poly Royal visitors in the Agricultural Journalism department in the basement of the Administration Building.

Displays include a student photography exhibit, El Mustang, Cal Poly's student newspaper published twice weekly; El Rodeo, the yearbook; and display advertising, a part of course work in the Ag Journalism curriculum. This special Poly Royal edition of El Mustang was entirely edited and in the majority written by Ag Journalism majors.

Final plans are also being completed for the seventh annual California Agricultural Press banquet tomorrow night at Edna Farm Center.

Top attraction of the banquet is a speaker prominent in both agricultural and journalism fields, Lewis B. Rock, Jr., who, aside

from being assistant Secretary of Agriculture is also press secretary and head of public relations for Secretary of Agriculture Ezra Taft Benson.

Rock will be speaking on "Western Agriculture and the National Farm Program."

Every year attendance at the banquet has increased steadily, and this year 200 people are expected. Newspapermen and top men from other fields of journalism from all over the state attend the banquet as honored guests, giving Ag Journalism majors a chance to meet the top men in the profession.

The press banquet is not a new thing. Ever since the first one in 1953, it has become an annual event which press club members plan all year. Preparation for the banquet actually starts early in the year by a series of money-raising events. Sale of football programs and herd book advertising make the banquet possible.

Farley's Fine Food Restaurant

785 Higuera

and the

Wineman Hotel

Extends a cordial welcome

to

Poly Royal Guests

and

Hope You Will Enjoy
Your Visit

charge it • use our
regular 30-day or 6-month
extended pay plan

Open Thursdays 'til 9 p.m.



new, smoked RUFBUC slip-on

smoke-tan reverse calf with blending

black cushion crepe sole and heels

... a very smart and superbly

comfortable slip-on, by the

Edgerton division of

NUNN-BUSH,

12⁹⁵

other Nunn-Bush shoes
from 18.95 to 22.95
Edgerton shoes from 12.95 to 19.95

Edgerton
SHOES FOR MEN

Electronic Majors Mix Practical with Novelty

by John Young

The Electronics department is featuring a series of displays on the basic principles of electronics. The displays designed to inform and entertain the Poly Royal guest, will show a few of principles of electricity, while others of novelty variety will allow the audience to participate. Under the direction of Robert King and John Higbee, co-chairmen of the electronics display, each class will have its own exhibit. There will also be a special interest display.

The freshman class will show electronic components, test equipment, and lab projects. One project is a complete radio built on a bread-board allowing all the components to be seen.

Some of the displays of the sophomore class will include beam deflection in a cathode ray tube, effects of magnetism on different metals, and an induction heater that will heat metal to a cherry red color in seconds.

The junior class will feature a number of audience participation displays. Among these will be a wave shape synthesizer, a voice tone counter, and a hearing response test. Other displays will show the measurement of pulse frequency spectra, transistor circuitry, and standing wave measurements on transmission lines.

Highlights of the senior class displays will include a doppler radar speed measurement, demonstrations of an electronic computer, pulse and microwave equipment displays, and a variety of senior projects.

The special interest group has been organized to show how electronics is applied to everyday life. A few of the demonstrations will be commercial stereophonic sound, binaural sound, time delayed tape recordings, color television, and two free movies on space travel.

Turtles to Show Souped-up Autos

Although called a Roadster Club, the Cal Poly Turtles will feature everything from fuel burning dragsters to "near stock" street coupes at their second annual Poly Royal racing and custom car exhibit.

Tops on the list of entries is Milt Alley and Herb De Witt's DeSoto powered Isky equipped dragster. The shiny gray and red rail holds the strip record at San Luis Obispo, with a time of 181.86 miles per hour. It is from Madras.

Many cars owned by Cal Poly students will be shown. The most outstanding college car will be Don Seville's A gas roadster, which holds the world's unofficial record 148 mph, and the national record, 182 mph, in its class.

Congratulations

TO

POLY ROYAL QUEEN

Ann Boysen



Scotty's

1248 Monterey

LI 3-7545

Check the Muscle



TAKE READINGS . . . Princess Joan Searles may not be present today to take readings from the dynamometer gauge in the Mechanical Engineering display, but you can still mark your car's "muscle" on the student operated machine. The dynamometer is located in the Mechanical Engineering lab. That's Joe Schuster, ME major, operating the machine. Photo by Grill

Mark Your Car's Muscle On Student Operated Machine

If you have ever wondered how many horsepower from your car's engine actually gets through to the rear wheels, now is your chance to find out, according to Bob Searle, Poly Royal chairman of the Mechanical Engineering department display.

Visitors to the Mechanical Engineering exhibit will be given an opportunity to test their car's "muscle" on a student operated dynamometer.

A special exhibit will be a model oil drilling rig that actually works, built by William Saunders of Ventura. Saunders a retired oil worker, spent more than 6,000 man-hours making the model drill rig on an exact 24 to 1 scale.

Senior projects on display will include a seismograph, a portable arc welder, a pistol, a ram jet engine and a device measuring the velocity of water by salt diffusion.

Guidance tests and medical examinations for students expecting to enter Cal Poly in 1959-60 will be available at both Cal Poly campuses May 18, June 10, July 17, July 31, August 31, and Sept. 18. Tests begin at 8 a.m. and are completed in one day.

El Corral

Sale! GIANT SIZE

BRUSH STROKE

COLOR REPRODUCTIONS
OF FAMOUS PAINTINGS

Mounted on heavy board, coated with protective varnish!

So real you can actually see, feel the raised brush strokes!

Ready for Framing* . . . Verified Value — 6.50 to 8.50

JAPANESE PANELS

ASSORTED BRUSH STROKE

\$2.04

Exquisite, museum-quality reproductions in four to six colors, expertly mounted on heavy board, enhanced with realistic, raised brush-strokes and covered with a protective coating of varnish. Buy several to add new beauty to every room in your home, for gifts . . . rush in early for this remarkable value!

Choose Masterpieces by World-Renowned Artists

Landscapes, Seascapes, Portraits, Still-Lifes . . . by Picasso, Utrillo, Degas, Van Gogh, Renoir, Matisse, Rembrandt, Seurat, many others.

PORTFOLIOS

Mother Goose, Farm Animals, Circus Animals . . . \$1.03

BULLFIGHT POSTERS . . . \$1.03

FRAMES! TWO-INCH OAK

\$1.88 to \$2.71 assorted sizes; also,

Bamboo FRAMES for Japanese Panels . . . \$1.88

COLLEGE BOOKSTORE

ADM. BASEMENT

Printers Show Magnitude of Industry

by Stan Goff

Cal Poly's Printing department, Division Of Engineering, will hold its 18th annual Poly Royal banquet tomorrow night at 6 p.m. at the Anderson Hotel. Ford Chatters, publisher of the Lindsay Gazette, will be guest speaker. Chatters, a member of the State Personnel Board, is past president of the California Newspaper Publishers Association, and a member of the executive board of that organization. He has two sons, Robert and Don, both alumni of Printing Engineering here.

Special guests for the banquet will include President and Mrs. John A. McPhee, Dean and Mrs. Robert Kennedy, Dean and Mrs.

O. E. Knott, Mr. and Mrs. George Couper, Senator and Mrs. A. A. Erhart, John B. Long, manager of the California Newspaper Publishers Association, and his San Francisco assistant, Ben Martin.

Poly Royal displays in the Printing department this year will include exhibits by four corporations which hire Printing graduates. They will display some of their equipment and processes, and their exhibits will be staffed solely by alumni of Printing Engineering at Cal Poly.

According to Glenn Farber, departmental Poly Royal Chairman, "it is our intent to try to impress our visitors, students and the college staff with the magnitude and importance of the Printing industry in the field of engineering."

Many pieces of departmental equipment will be in operation during the "country fair on a college campus." Teletypesetting equipment, linocasting machines, letterpress and offset-lithography equipment, bindery machines and process and stereotyping equipment will be only a part of the exhibit. Both the administration basement print shop and the Ag. Education building facilities will be open for inspection, and visitors are urged to see displays in both buildings.

Mat Pica Pi, Society for Printing Engineers, will work in coordination with the Printing department in sponsoring the various displays, carnival booths, banquet, guide service, and in printing a special El Mustang supplement to appear tomorrow.

Cal Poly has been one of the few California public colleges to maintain a residence program.

More than 90 per cent of the Cal Poly students are living away from home and more than 50 per cent are or soon will be living on campus.

Poly Athletes Perform Thrice Today

Cal Poly athletes will take to the diamond, the pool and the courts today to entertain Poly Royal visitors.

The tennis team under Coach Ed Jorgensen will take on Fresno State beginning at 2:30. Games will be held on all six campus courts.

At 3 p.m. Cal Poly's defending State College Championship swimming team jumps into the pool against University of California, Santa Barbara. Poly Royal visitors will get a look at All-American swimmer Gene Lens as he swims in the 220 and 440 yard freestyle events. The natatorium adjoins Crandall gym.

Also at 3 p.m. the Mustang baseball team entertains Fresno State Bulldogs in a OCAA contest. The Mustangs and Bulldogs split a double header last weekend. Fresno won the first game 6-3 and Poly won the nightcap 15-15.

A new Home Economics Building and a Home Management House will be ready for Cal Poly students by September.

Todd's Bear Service

Tire Truing
Wheel Aligning-Balancing
Front End Rebuilding
Phone LI 3-4323
306 Higuera St.

Closed
Tuesdays

HOME
OF THE
HEAVENLY

DOUBLE CHEESEBURGER

DAN'S DRIVE IN

FOOTHILL AT SANTA ROSA LI 3-9787

RILEYS
Phone
LI 3-1421

Chorro at Marsh



While you're
in town... be
sure to visit

California's Finest Central Coast
Department Store Since 1887

See Rileys Special Poly Royal
Window Displays

CONGRATULATIONS

TO

CAL POLY

On Their 27th Anniversary

DENNIS TRANSFER
Nipomo and High
Liberty 3-7223

Hawthorne Market

Your friendly Home Town Grocers, Frank Truchan and Loren
Krahill are eager to serve you!

15c

This coupon good for 15c on purchase of
1 pound of Hormels all meat

WIENERS

This coupon good for 15c on 8" Simple
Simon Apple, Boysenberry and cherry

PIES

15c

15c

This coupon good for 15c on Golden State
Premium 1/2 gallon

ICE CREAM

This coupon good for 15c on 12 cans of
Gerbers

BABY FOODS

15c

BROAD STREET
HAWTHORNE MARKET

Special Consideration Given to All CALPOLY Functions

Princess Joan



SOFT AS A LAMB . . . Princess Joan Bates, freshman Home Economics major from Burbank, is another of your official hostesses. Joan holds a sample of the Cal Poly sheep flock, but one that was too young to make the showmanship contests in the football stadium tomorrow morning.

Poly Curriculum Stresses Know-How with Know-Why

"California State Polytechnic College provides occupational education at the collegiate level in agriculture, engineering and the arts and sciences. Its arts and sciences instruction also emphasizes the preparation of secondary school teachers. General education courses and participation in campus activities are combined with the college's specialized instruction to prepare graduates for citizenship and leadership.

"The basic purpose of Cal Poly is to prepare young men and women for managerial, technical and teaching occupations by training the hands as well as the head, by adding "know-how" to know-why." The training is specific and practical.

"Each year of study is planned to prepare the student for additional jobs in the training area of his major department. Requirements of the job, rather than of professional graduate schools, determine the educational experiences offered to each student.

"Practical laboratory work under job conditions is emphasized. Students learn by doing. They may also earn while learning through the project system of instruction in which the college has been a pioneer.

"To make maximum use of the student's interest in his field of specialization as an incentive to study, work in the major department in the freshman year. This plan also ensures job preparation for the student who cannot spend four at college.

"The course of study, therefore,

is "upside-down" in comparison with the conventional college program which groups general education courses and basic theory into the first two years while deferring the more specialized and practical work until the last two years.

"Through early contact between the student and the practical phases of his major subject, the college seeks also to make the student aware of the value of sciences related to his major so that he may supply himself more diligently to such courses.

"The general education courses and the related courses which support the occupational instruction are offered in each of the four college years. This plan makes it possible to schedule in the later college years those courses with content which requires greater maturity and experience. Students thus have a better opportunity to understand what they are studying and to obtain maximum values in general education.

"Cal Poly accepts responsibility not only for the occupational education of its students but also for helping them to obtain the best possible career opportunities. Further, through follow-up visits to the graduate and his employer it provides on-the-job assistance to the Cal Poly graduate during his first years in the field.

—Cal Poly Bulletin

Physical Scientists Display Senior Work

Cal Poly's Physical Science students have a number of unusual displays ready to intrigue Poly Royal visitors this year, according to Mrs. Frances Peters, president of the Physical Sciences Club.

One display is a mock-up of the cosmotron at Brookhaven, intended as a particle accelerator, a simulated particle will travel along a track in a metal tank at increasing energy until it hits a "target". The mock-up will be used by students to describe the actual operation of the machine.

Several senior projects are also on exhibit. One is a Beta Ray Spectrometer built by nine students. Essentially, it is a metal tube through which Beta rays travel from a radio-active source to a detector at the other end of the tube. The path described by the Beta particles is a helix, formed as a result of the magnetic field. Its purpose is to determine accurately the energy and momentum of the particles.

Builders of the spectrometer are: Gilbert Barbour, Fontana; John Ellis, Santa Monica; Don Groves, Arroyo; Robert Saxton, Long Beach; Harvey Stollenwerk, Lancaster; Theodora Ward, Liberia; Tom Sanders and Carl Smith (Glendale); Harold Kurth, Yuba City.

Other senior projects include: Measurement, using Thermistors of the mechanical equivalent of heat, Gilbert Neff, San Francisco; Measure of Range of Alpha Particles in Air, Gaylon Ryno, Sacramento; Measure of Excitation and Ionization Levels of the Noble Gases, Philip Gidersky, Wheatland; Measurement of Intensity of Cosmic Radiation, using a cosmic ray telescope, William Lewis, Visalia.

Demonstration on kinetic Theory of Gases, Elbert Moore, Whittier; Determination of Electrical Property of Semiconductors, Tom Preston, Spring Valley; Construction and Operation of an X-Ray Spectrograph, Robert Alberti, Glendale.

Study of Electrical Discharge Through Gases, Charles Braun, Morro Bay; Nuclear Magnetic Resonance, Stuart Oliver, Pasadena; Electrical Method of Measuring Young's Modulus, Norman Wright, Los Angeles; Determination of Ranges of Alpha particles in Ilford and Kodak Nuclear Research Emulsions, Mrs. Frances Peters, Glendale.

Lectures and demonstrations will also be given on high-voltage. Static displays will include equipment used by students in their class work in physics. All exhibits will be explained and/or demonstrated by students from the Physical Sciences department.

Bulletin Explains Philosophy Of Cal Poly Engineering

"Engineering may be defined as the application of the laws of physical sciences, mathematics, and economics to structures, machines, processes, circuits, and systems. Cal Poly aims to teach a thorough understanding of these laws, the application of these laws to engineering problems, and good judgment in the application."

—Cal Poly Bulletin

Cal Poly Grew From A Small 1901 Birthday

"Cal Poly was established in 1901 by the Legislature of the State of California. It opened as a state vocational high school and was the forerunner in California of vocational education in agriculture and industry. In 1921 its Board of Trustees was dissolved and the State Board of Education took over this school.

The level of instruction was raised in 1927 to that of a junior college. It was changed to a two-year and three-year technical college in 1938.

"A degree transfer program was added in 1938, and in 1940 the State Board of Education authorized the college to grant the bachelor of science degree for completion of the four-year curriculum.

"The first baccalaureate exercises were held in 1942. The college was approved on Oct. 1, 1949, to grant the master of arts degree in education.

"Originally coeducational, the college discontinued the enrollment of women in 1939. Enrollment of women as regular students was resumed in 1956 at San Luis Obispo.

"In 1938, a completely equipped school and farm near San Dimas, in Los Angeles County, admirably situated and adaptable for technical instruction in agriculture, judicious fruit production, agricultural inspection, and landscape gardening, was deeded to Cal Poly by its owners, Charles B. Voorhis of Pasadena, and his son, former Congressman Jerry Voorhis. The

campus was immediately put to use as a plant industries branch of the college. Although it was necessary to close the Voorhis Unit during the war period, 1942-45, it was reopened in the fall of 1945.

"In Nov. 1949, the college received as a gift from the Kellogg Foundation the Kellogg Arabian Horse Ranch near Pomona consisting of approximately 800 acres. The property was donated to the college for advancement of practical education and for the perpetuation and improvement of the Arabian horse breeding program of America. The property, now known as the Kellogg Unit, California State Polytechnic College, lies approximately one mile from the edge of the Voorhis Unit, and is one mile from Pomona.

"World War II activity of the college included national defense and war production training, the food production war training program for California, and preflight naval aviation training. More than 8,000 naval aviation cadets were trained on the campus at the United States Naval Flight Preparatory School, Jan. 1945, to Nov. 1944. Another 1,100 trainees received instruction in a Naval Reserve Unit operated from July, 1944 to Feb. 1946."

—Cal Poly Bulletin

Definition of a professor from the WSO Evergreen: A person who swears he would starve before teaching, and has been doing both ever since.



WELCOMES YOU

TO THE 27th ANNUAL

POLY
ROYAL

and

SEARS DAYS SALE

"April 23rd thru May 2"

"Outstanding
Values"

Plenty of free parking

879 Higuera St.
San Luis Obispo

phone LI 3-2270

HEADQUARTERS

for
WILSON'S
Sports Equipment

... featuring ...

The Largest Stock of Firearms on the Coast

... plus ...

A Complete Selection of Sporting Goods

Storni's
GUNS & SPORTING GOODS

Formerly J. C. Hill Sporting Goods

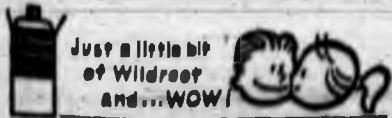
1039 Chorro

LI 3-1613

Get WILDROOT
CREAM-OIL Charlie!



CLIO PATRA, snake charmer, says: "All the queens admire handsome hair... so rap for Wildroot!"



Farm Managers Bank on Theme For Exhibits

The Farm Management department will carry out the Poly Royal theme, "Proud Past, Bright Future", by showing just how proud they are of past, and present agriculture, and also depict future advancements. There will also be a little fantasy in the display.

The exhibit will be located in Ag. Engineering 121. There will be large charts and graphs along the wall, and under them a sand table. They will all show the advances in agriculture to the present time. On the charts such things as fertilization, use of hormones with livestock, and soil conservation will be shown. On the sand table will be models of clay and other materials, representing what was shown on the charts.

What is expected by the people in the future, and continued improvement in agriculture will help to carry out the bright future theme.

The best uses of land and a complete classification of land will be represented. Weather control, intense soil conservation, fantastic yields by plant breeding, and future projects to be developed will all be present in the display. Even the possibilities of robot farming will be included.

The exhibit will take place during the scheduled exhibition periods.

A dunking booth has been scheduled by the department at the Poly Royal carnival. Throwing balls at the target will dunk the student body President, and other A. S. B. officers.

The members of the department will also help as barkers on the guided tours during Poly Royal.

Crops Club Sets Fruit and Nut Judging Contests

If you can tell the difference between a peach and a pear, you may be one of the winners of the judging and identification contest being sponsored by the Crops Club.

Through today and tomorrow the Crops Club is inviting the public to enter the fruit and nut identification contest. The object will be to identify as many fruits as you can. Also you may judge a display of fruit in terms of quality, shape, and however you think a good apple or pear should look. Winners of the contest will receive a prize to take home as a souvenir of Poly Royal and Cal Poly.

A feature display showing methods of crop rotation will be one of the high-lights of the Crops Club's exhibits.

The exhibits and the judging and identification contest will be set up in Ag Engineering shop 6.

As an aid to those who may be thirsty, the club will have a soft drink stand in front of Ag Engineering shop 6. During the rodeo Saturday they will have a soft drink stand situated on the rodeo grounds.

Poly Once Could Boast World Track Record Holder

Cal Poly in 1928 could boast a world record holder!

Although not listed as official, Sammy McBane, the pride and joy of the Mustang thinclads, darted to a 9.6 hundred yard dash to equal the world's record then held by Charles Paddock.

McBane, a student from Guadalupe, accomplished the feat with the help of a wind during a track meet in Santa Maria. Major J.C. Deuel, then coach at the local school, witnessed McBane in the unofficial century.

In 1928 Toy Stockdale, a great cinderman while attending San Luis Obispo schools, ran a 9.6 hundred for Cal Poly during a track meet with Salinas Junior College. The world record was then 9.4.

Stockdale later went to San Jose State college where in 1928 he set a school record in 220 yard dash at 21.1.

The present Cal Poly record in the century is 109.6 seconds and 21.2 in the 220 yard dash. Both set this season by Vic Hall.

Once Upon A Time, Poly Looked Like This...

Melody Makers Slate Campus Performances

Cal Poly's music department organizations will provide the music for two of the functions to be held during the coming Poly Royal weekend.

The Collegians dance band, made up of some of Cal Poly's top instrumentalists, will, as each year, provide the music for the annual queen's coronation dance to be held Saturday evening at the Camp San Luis Obispo armory.

Along with the Cal Poly Men's Glee Club, The Collegians Quartet, and the Majors and Minors singing ensemble, the Collegians recently returned from the annual Spring Concert tour where they received many plaudits for their performances. This year's tour took them to the bay area where they presented programs at various junior colleges and senior high schools. The musicians also gave a concert at Alameda Naval Base.

"The splendid manner in which your students represented your school is certainly a fine recommendation for both themselves and your school. Your students were a shining inspiration of culture, art, and citizenship. We at Polytechnic feel that we have gained and benefited by having heard your excellent group," said Melvin T. Peterson, Principal, and David Teplets, Music Department, Polytechnic High School in San Francisco.

Harold P. Davidson is chairman of the Music Department.

The Cal Poly Concert Band will present an hour's concert beginning at noon tomorrow during the Poly Royal barbecue in Poly Groves. They will play a variety of numbers, from the light, gay "The Sparrow Bush," to the popular song from the "Music Man," "If I Were a Rich Man."

Yesterday the band toured the southern section of San Luis Obispo County where they presented assembly hour programs at high schools and junior colleges in the Santa Maria and Lompoc areas. They concluded the day's tour at Vandenberg Air Force Base where they toured the base, had dinner, and presented a concert. Various solo and instrumental ensemble groups were included in the program.

The concert band and instrumental groups are under the direction of Clarence Caughran.

The Seventh Annual Mathematics Contest will be held Friday, April 24, sponsored by the Cal Poly Mathematics Department at San Luis Obispo. Only seniors may enter.



PROUD PAST . . . Some of Cal Poly's proud past can be seen in the photographs here. Both of them were taken from the bell tower in the administration Building and show the same area of the main part of the campus. The picture on this side was taken shortly after President Julian McPhee became president here in 1933. Photo by Bill Tumlin

ROTC Spotlights USA's Strategic Army Corps

The United States Army's Strategic Army Corps (STRAC) comes here via motorcade from Washington D. C. as part of an official exhibit to be displayed by the department of Military Science and Tactics, announces Captain Dewey E. Brown, Instructor, Cal Poly.

This will be located in Ag Engineering 122, where there will also be an ammunition display. A communications exhibit will be in a van in the parking lot adjacent to the building. Army information specialists will be on hand to answer questions.

Prepared by the Army's Chief of Information, the exhibit was designed to authentically inform the American Public on the Army's ability to cope with present and future military problems. It explains the concept behind STRAC forces, emphasizing the modern Army's requirements for far-ranging mobility, long-range firepower and wide-ranging communications necessary to achieve victory on the atomic battlefield.

The display also pays tribute to the teams of dedicated military and civilian scientists, soldiers and civilian industrial leaders, who through their forthright and progressive efforts are helping America solve its increasingly complex problems of defense.

Spanning the historical and

technological evolution of weaponry from man's earliest attempts to defend himself in the Stone Age to the present time, the exhibit points up Army success in meeting the challenge of the atomic-electronic missile era.

Operational weapons of today, shown in one area of the display form the basis of futuristic weapon predictions of two decades hence shown along an opposite wall.

Two Coeds Go to World Affairs Asilomar Confab

Donna Smith, Hemet, and Helen Boys, Morro Bay, both Social Science majors, have been selected by the local World Affairs Council to attend its conference at Asilomar May 1-3.

Members of a special committee of the council selected the girls on the basis of interest and scholarship.

Speakers for the conference will be a group of internationally known people and statesmen including Paul G. Hoffman, Director of the United Nations special fund; H.E.M.A. Chagla, ambassador from India to the United States and Tom Mboya, one of the foremost political leaders of Africa.

While attending meetings, the girls will participate in seminars and group discussions. Approximately 800 people are anticipated.

San Luis Obispo's local World Affairs Council has joined with San Francisco's Council to send the girls.

Chemists Will Show Atomic Roulette

by Barbara Harp

Last years Poly Royal visitors will remember the popular atomic roulette that the chemistry students of the physical science department had on display. Well, this year it's back once more to give visitors a chance to prove their luck at guessing numbers correctly.

"Actually the atomic roulette is a quantitative geiger counter," said Dr. Glen Wright of the chemistry faculty. "It functions on the principle that the decomposition of radio active samples follow very exactly the laws of probability. Radio-active samples are used as a means of producing numbers for the roulette table."

Glassblowing exhibitions by students are on display in the Science building in room D-11. Making small animals from marbles is just one of the many uses of glassblowing demonstrated. Glassblowing is also offered as part of the regular chemistry student's course of studies.

In room D-18, students may be watched as they perform experiments in organic chemistry.

Other students are performing analysis on leaf tissue and feed rations in room D-27. They will be determining the nitrogen and protein content in the leaves and feed. Such courses are included in Cal Poly's agriculture chemistry curriculum.

Animals on controlled diets can be seen in D-28. These animals show the results of deficiencies in necessary dietary factors.

Static displays of equipment are on exhibit in rooms D-6, D-7, D-8, D-10, and D-31. All exhibits are open to the public during the regularly scheduled departmental displays today and tomorrow.

The florist industry is fifth in importance in California's agriculture.

Princess Joan



READY FOR THE SHOW. . . Princess Joan Soares, Elementary Education major from Pixley, holds one of the college's prize ewes. She's not trying to pull the wool over anyone's eyes, but serving notice of the showmanship and judging contests in the stadium tomorrow morning. Photo by Grill

Welcome

to the

27th

Anniversary

of

Poly Royal

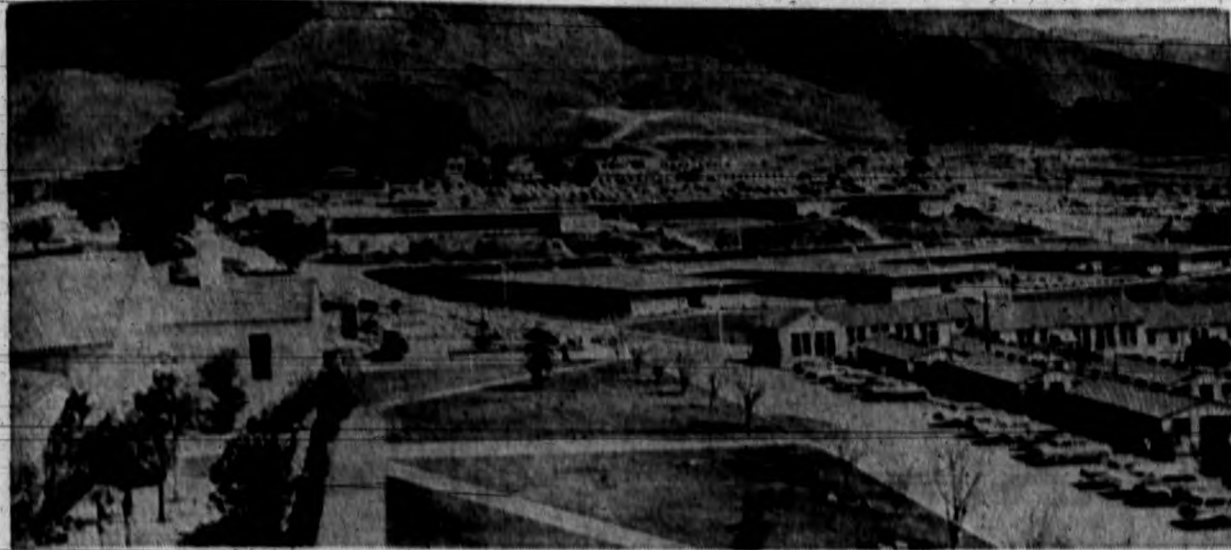
"Complete Car Care"

San Luis Mobil Service

600 Marsh

LI-3-1315

Now It Looks Like This...



THE CAMPUS TODAY... This shows Poly's growth in the past 30 years. This is the same general area as the picture on page 10. Present now are Dexter Memorial Library (far left), the Engineering Building (center) the Science Building (upper center), Mountain Dorms (upper left) and construction on more dormitories (upper right). Within a few years, the West wing of the Engineering building is scheduled to replace old classrooms and cubicles seen in lower right corner of the photo. A new gymnasium is now under construction toward the upper right corner. (Photo by Bill Tumlin)

Heron Gals Plan Active Weekend

Besides holding open house for three hours each day, and competing in the dormitory door decorations contest during the Poly Royal week end, the freshmen coeds of College Avenue's Heron Hall are busy preparing a booth for the carnival tonight.

The girls will act as hostesses during the open house hours from 1 through 8 p.m. today and tomorrow afternoons. During these hours everyone is invited to visit the dorm, see the girls' rooms and decorations.

Having won the annual Christmas decorations award for the College Avenue dormitories in December, Heron Hall is again competing against the other College Avenue women's dormitories, Jespersen, and Chase Hall, for the dorm decorations prize. The individual halls will also offer individual room prizes. Judy Donohue is in charge of Heron Hall's individual prizes.

The girls are sponsoring a penny pitching booth at tonight's carnival. Shirley Dodgion and Nancy Thompson are in charge of the booth preparations.

Barbara Hannon is the president of Heron Hall; Joan Soares is vice president; Betty Coleman, secretary; and Ruth McMullan, treasurer.

A demand for landscape architects has been estimated at from six to 80 times the present supply nationally and exceeds those figures in California.

50 Countries Represented In Cal Poly Student Body

"The number of countries represented by students on this campus is the greatest it has ever been," says William Kirkpatrick, International Cooperation Administration program coordinator at Cal Poly. "Of the total of 57 countries represented over the years, 50 now have students here."

Of the total, 349 foreign students on campus this quarter, 41 are from Iran. Eleven countries—Ceylon, Cuba, Egypt, El Salvador, China, Italy, Spain, Norway, Thailand, Venezuela and Ghana—are represented by one student each. Nine are coeds.

According to Kirkpatrick, many of the students are sent by their governments, which pay the total cost of education in America, if the students sign a contract to repay the cost of his education either monetarily or by returning to work in his homeland for a specified number of years.

Most of the students educated this way are from Iran or Iraq, which both send college students through embassy education programs. Even when sent by parents, students often get a financial boost in the form of a stipend supplied by their government. The student must verify the use of such aid for scholastic purposes.

"Many of the students sponsored through ICA are here through a one-year scholarship or a technical training grant," Kirkpatrick said. "About 80 of our foreign students are here through the work of the United Nations, food and agricultural organizations. Other American organizations sponsoring foreign students are the Ford Foundation and People-to-People, an organization sending high-caliber students, sometimes college graduates, to American colleges and universities for two to three week visits and intense training programs."

A total of 210 foreign students from 50 countries were enrolled for the winter quarter. Iran set the largest number—48. India was second with 18 and tied for third were Mexico and the Philippines with 11.

'Outward Bound' Casting Complete

George Graelman, technical arts major from Oakland and veteran Poly thespian, has been chosen to play the principal character in "Outward Bound," the College Union drama committee's spring quarter play. The cast for the play was announced this week by the drama committee.

Other members of the cast include Richard Allen, Electrical Engineering major from Santa Barbara; Don Bishop, English major from Morro Bay; Oliver Cranko, Ornamental Horticulture major from Canada; Ruth Crow, student wife from San Luis Obispo; Margaret Dietrich, English major from San Luis Obispo; Eric Gittings, Social Science major from San Luis Obispo; Bill Jesse, Technical Arts major from San Luis Obispo; and Evelyn Smith, Elementary Education major from Berkeley.

Home Economics Majors Offer Child Care Lab

There won't be any baby-sitting problems during Poly Royal. The Home Economics department is offering free child care service this afternoon and from 10 a.m. through 5 p.m. tomorrow.

According to Miss Marjory Elliot, Home Economics department head, children from two to five years will be cared for in two-hour periods. Twenty children can be accommodated in each period. Location for child care is Cubicle X. Food demonstrations are scheduled in Classroom 14 at 10 and 11 a.m. and 1, 2, and 3 p.m.

New decorative fabrics will be on display in the exhibit titled "Interrelationship of Clothing, Textiles and Home Interiors." Featured will be the past, present and future. The display is in Classroom 14A.

Plans for the new Home Economics building now under construction will be highlighted.

Co-chairmen for the departmental exhibit are Elmina Cormier, San Luis Obispo, and Betty Lindley, South Pasadena.

Metallurgical Engineering will be offered at Cal Poly, San Luis Obispo, beginning in September, 1959, following approval by the California State Board of Education of the granting of the Bachelor of Science degree in that subject by the college.

Poly Royal Was A Picnic That Just Grew and Grew

by David Green
Poly Royal Publicity Director

In the spring, in the month of April, the thoughts of Cal Poly students lightly turn to Poly Royal! This is when Cal Poly throws open her doors for the annual open house, "Country Fair on a College Campus," and thousands of visitors stream into San Luis Obispo from all over the state for the two-day shindig.

Poly Royal is an institution of long and revered standing at Cal Poly. It dates from a humble beginning March 31, 1923, when that event consisted only of a "live-stock show and displays of horticulture."

Quite a contrast in Poly Royal "then" and "now."

Beginning as a fitting and showmanship contest, and a picnic, the first Poly Royal drew a total attendance of between 700 and 800 people.

More recently Poly Royal has attracted over 20,000 visitors each year to view literally hundreds of displays in all three divisions of the college—engineering, agriculture and arts and sciences.

Only two clubs, Dairy and Polyphase, ran concessions at the first annual event. More than a score of clubs handle concessions now.

Less than 200 letters were sent to editors, breeders, showmen and celebrities inviting them to the first Poly Royal.

This year more than 25,000 brochures and hundreds of personal invitations and news releases, were sent out telling the 1959 Poly Royal story.

The idea for a Cal Poly open house originated with Carl G. Beck, Farm Management instructor. He encouraged the Future Farmers of America, who had a campus chapter organized at that time, to hold a livestock exhibition. The public was invited to the show.

That was March 31, 1923. At the time, Cal Poly had a student body of less than 100 students and no more than 20 faculty members.

From the first, Poly Royal has been a student-run program. Today a student executive board and general board handle the details of the operation.

Members of this year's executive board are Ed McGraw, general superintendent; John Gager, first assistant superintendent; Lawrence Killinger, second assistant superintendent; Elizabeth Rayl, secretary; Emil Saxberg, treasurer; David Green, director of publicity; Bruce Wilson, director of special events; Don Bryant, director of arrangements; William Stewart, director of engineering; Doug Snyder, director of agriculture; Marjorie Redington, director of arts and sciences and Carl G. Beck and Tony Mato, faculty advisers.



EARLY START... Ted Gebura, left, makes a small adjustment on one of the college tractors, but his small helper seems a bit puzzled over what to do about his pint-sized machine. At any rate, the boys are pulling attention to the Ag-Engineering displays in the Ag Engineering shop.

CP News Bureau Photo

Conservation Show To Be Presented By Soil Scientists

Land conservation, soil equipment and analysis, plant displays, and a film strip will be among Soil Science departmental exhibits today and tomorrow.

According to Dr. Logan Carter, rooms A-8, A-11, and A-12 of the Science building will be the location of all soil exhibits. William Young and Wayne Tatti are student co-chairmen of the soil exhibits.

A complete soil analysis exhibit, senior projects, plants showing effects of different fertilizer treatments, soil physics experiments, and soil microbiology display will be shown in one room. A resting lounge, offering a short film strip, will be available.

Equipment, conservation methods, range plants, and land judging displays are among other educational features sponsored by the Soil Science department.

Dr. Edwin L. Hobson, a member of Cal Poly's first Soil Science department graduating class, will speak at 6 p.m., tomorrow night during the soil science banquet at the Breakers Cafe in Morro Bay. Attending the banquet will be alumni, students, relatives, friends, and faculty members. Dr. Logan

Carter, department head, expects approximately 100 participants.

Dr. Hobson is in charge of soil fertility investigations on the research staff for Soil Development, Modesto. After graduating from Cal Poly in 1950, he received his Ph.D. from University of Wisconsin in 1957.

Old and New In Teaching

A contrast from how grandpa-py learned when he was in school to present day teaching methods and techniques will be shown by the Elementary Education department.

"Demonstrations in old and new methods in actual practice when real classes are taught should prove very interesting," commented a spokesman for the Education department. The demonstrations in Classroom 11 will be Friday from 10:30 to 11:30 a.m. and 1:30 to 2:30 p.m. Saturday they will be from 10 to 11 a.m. and 2 to 3 p.m.

The Education department will also present exhibits from the curriculum of Elementary Education majors and also displays from the Agricultural Education majors including science projects.

Beno's

Welcomes You To The
27th Annual Poly Royal

LEVI WESTERN SHIRTS

Solids, Stripes, Plaids

Retail 4.98—7.95

LEVI

Lee

WESTERN BOOTS

By FRYE

Half Wellington Dress & Rough Out

WESTERN HATS

1.98—3.98

**BIGGEST SELECTION
OF LEVI WESTERN
SHIRTS IN
TOWN**

**IVY POLISHED COTTON
PANTS**

Solids, Stripes

SPORT SHIRTS

Short Sleeve-Terrific
Selection

JACKETS

Gabardine—Tan-Blue-
Grey 8.25

NYLON JACKETS

Feather weight unlined,
Navy, Light Blue, Tan 7.95

**FULL SELECTION
OF DRESS
SLACKS AND
SPORT COATS**

1019 Morro St.

Princess Sue



CAMPUS ROYALTY . . . Princess Sue Bromley, Social Science major from San Luis Obispo, is a member of the royal court and one of the official hostesses for the two-day open house. Princess Sue here cuddles a Hereford calf reminding visitors of the showmanship contests tomorrow morning in the football stadium. Photo by Karen White

Construction Boom Keeps Pace with Enrollment Gain

by David Green
Poly Royal Publicity Director

Visitors and returning Alumni will see great changes in Poly's campus face during this 27th Annual Poly Royal celebration. Anticipating a total enrollment of 10,000 by 1970, the building program at Cal Poly is now in full swing.

One long standing landmark at Cal Poly, "silver city,"

with its rows of trailers, has been replaced by six residence halls, now under construction. They are expected to be ready for occupancy in the fall of 1960. The dorms will be three story brick buildings, each containing 100 two-man rooms, recreation and study rooms, a lounge, laundry and service rooms. Total appropriations for the dorms is \$5,519,600.

The new health building will contain a 80 bed infirmary, six doctor's offices and a clinic. Ready for use this fall, the building will cost \$581,500.

The new gym in the men's Physical Education department will be ready for use in the fall of this year. Seating 4,000 spectators, this building will also contain a boxing room with two permanent boxing rings, a wrestling room with two wrestling mats, two lecture rooms, office space for 19 instructors and shower and locker rooms for 4,000 students.

Outside there will be six softball diamonds, three intramural football fields, ten tennis courts, four-wall handball courts and four multi-purpose courts; all at a cost of \$2,521,800.

The Home Economics building,

which will be ready for use this fall, is a two story wing building. The Math Department will share the building. Inside will be six home economics labs, 22 offices for 86 instructors, and a set of auxiliary rooms. The cost of this building is \$1,859,700.

The Ag. Classroom and Social Science building also ready next fall, will contain 18 lecture rooms, 10 lab rooms, and 48 two-man offices. Cost of construction is \$1,517,800, and equipment will be an additional \$21,500.

The present 1958-59 budget plans include a cafeteria with a seating capacity of 1,228, and will cost \$1,700,900. A Little Theater and Music Building, seating 800 people, will have a full rigged stage and several auxiliary rooms, rehearsal rooms, and instruction and practice rooms.

The Graphic Arts building, also in the 1958-59 budget, will contain lab and lecture facilities for Ag. Journalism, Industrial Engineering, and Printing Engineering classes. With construction starting this summer; the expected occupancy is 1961.

Aggies Plan Ring Contests

Which Came First? Chicken or Egg?

The old question of "which came first, the chicken or the egg" may be answered by the Poultry department in its Poly Royal exhibit. The question can be answered for you by taking a look at the living embryo displays of chicks in various stages of development.

"The Poultry display is of interest to all from the age of eight months to 80 years," commented R.E. Leach, head of the Poultry Husbandry department. The display will be in the farm machinery building.

Competition is also being encouraged in this year's show. Students will have competitive poultry contests along with competition in the egg show. Cups and dozens of ribbons will be awarded to the best bird and egg entries, which are part of the Cal Poly Poultry Husbandry department's extensive student projects.

Chicks, too, are getting a college education. Poly visitors will see chicks learning to feed themselves by hopping onto a chicken also merry-go-round and riding to their dinner.

A poultry incubation class has been busy preparing many of the embryo brooder, and incubator displays using chicks and eggs for the 15,000 egg hatchery.

Cal Poly is keeping pace with California's rapidly developing modern poultry industry by preparing poultry majors to meet both technical and practical demands in the field. Commercial poultry ranches, marketing organizations, egg processing plants, hatcheries, and vocational agricultural teaching are only a few of the fields entered by the college's poultry husbandrymen.

The Cal Poly Poultry department, second largest in the United States, gives each poultry major an opportunity to complete projects in the specialized field which interests him most.

Milton Hall, Hemet, is general coordinator of this year's displays. La Vern Reeh and Tony Cobarrubia, both of Modesto, are poultry show chairmen. Exhibits chairman is Al Boyce, Los Gatos, and Ron Ridnour, Junction City, Oregon.

Illinois has never placed lower than third in the National Collegiate Gymnastics championships. Illinois has won the national title eight times.

Meat Animals 'On the Hoof' Don Sunday Suits for Show

Showing meat animals may look easy, but leading 1,000 pounds of beefsteak around on the end of a rope, herding 200 pounds of live porkchops and 110 pounds of lambchops on the hoof is not a snap. Especially when you're competing with other showmen for the judge's attention. But Animal Husbandry majors will be doing it tomorrow morning in the fitting and showmanship contests.

The cream of Cal Poly's livestock crop will go on display tomorrow morning at 8 a.m. as students compete for trophies on project animals.

The grid-iron sport will take a backseat to the ag division's livestock when the meat animals invade the football stadium.

Animal Husbandry majors started training show stock for this year's Poly Royal contests as far back as March, when steers got their first taste of the rope and halter.

LeeRoy Brock, Susanville, is general chairman of Animal Husbandry displays. Other chairmen are Roger Linton, Palo Alto, horses; Don Barner, Cores, swine; John Weaver, San Luis Obispo, beef; and Carroll Pruett, San Luis Obispo, sheep.

Beef showmanship will include

Shorthorn, Angus, and Hereford steers and heifers. Sheep showman contests include Hampshire and Suffolk ewes and lambs. Swine will include Poland China and Berkshire gilt and barrow classes and crossbred barrows.

The Animal Husbandry department will also sponsor a meats exhibit in the meats laboratory. It will feature meat cuts from choice Poly-grown and slaughtered beef.

The college feed mill will be on display under the direction of the Animal Husbandry department. The feed mill is run entirely by student labor under supervision of Bud Collet. All of the feed used by the ag division is processed and mixed in the feed mill.

New feed processing equipment will also be shown. New ideas and equipment will be exhibited and explained in Ag Engineering shop 4.

Since many of Cal Poly's Animal Husbandry graduates engage in livestock ranching as foremen or managers, Poly Royal gives the students an opportunity to gain practical livestock showing experience in addition to the other exhibitions entered by the college.

Animal Husbandry majors are encouraged to participate in the extensive student feeding, management, and marketing project program in order to apply their technical training. The college maintains approximately 900 hogs, 800 sheep, 400 beef and a growing string of fine Quarter Horses and Thoroughbreds to facilitate its student project program.

Social Science Majors Plan Pictorial Show On 'Family of Man'

The forecast of fair and warmer for world wide intercultural relations is being helped along by the Social Science department with their display in the Science Building, D-7.

Their theme "The Family of Man" is taken from a world famous pictorial exhibit. Internationally famous photographs showing man with the same experiences and concerns and in the same situations in the many different cultures of the world are on exhibit.

Originals of these pictures have been on exhibit in Europe and South America where they stimulated warm and approving reactions according to Dr. A. N. Cruikshanks, department head.

Gerald Engleken of Los Angeles, a junior Social Science major is in charge of the display. Coffee will be served all visitors to the display.

The National Collegiate Athletic Association's first national championship was a tennis tourney held in 1888.

WRANGLERS
at
CARL KIRK REY
MEN'S WEAR
We Don't Sell . . . You Buy
San Luis Obispo
851 Higuera St.

For The Best Poly Royal . . .
Remember it with Pictures

Complete Stock of Finest
Cameras, Film and Photo equipment

Complete Assortment of
ROLL or MOVIE FILM
Black and White or Color

**CAL PHOTO
SUPPLY**

Corner Higuera and Morro



"Excuse me, honey.
The lady wants a Camel."

Men go for girls who go for Camels. This cigarette outsells every other — every filter, every king-size, every regular — and has for 10 straight years. The Camel blend of costly tobaccos has never been equalled for rich flavor and easygoing mildness. The best tobacco makes the best smoke.

Push fads and
fancy stuff aside . . .

Have a **real**
cigarette —
have a **CAMEL**



R. J. Reynolds Tob. Co., Winston-Salem, N. C.

Princess Jean



PRINCESS JEAN AND FRIEND . . . Princess Jean Stevenson, freshman Home Economics major from Simi, here does the honors with a prize Holstein from the college's foundation herd. Princess Jean, one of the official hostesses, reminds Poly Royal visitors of the Dairy department displays and contests in the Dairy Pavilion. Photo by Steve Mott

Women Will Lead Calves In Dairy Husbandry Show

by Mary Fran Crowe

Poly Royal Dairy Husbandry department activities will feature a fitting and showing contest at the Dairy pavilion tomorrow morning beginning at 8:30 a.m. The feminine touch will be added to the show ring also when women compete in a calf leading contest. The Cal Poly dairymen will also have other displays and exhibits.

Only students enrolled in the fitting and showing course in the dairy curriculum may participate in the show, which will be judged by Vic Gray, University of California at Davis, a well known dairy judge and manager of California Dairy Breeders, Inc.

The college loans each student in the class a heifer for one month. During that time the college also furnishes feed and a halter, while the student takes care of the animal and fits it for showing.

The woman leading an unbroken dairy calf the length of the pavilion in the shortest time will receive the prize in the calf leading contest, according to Harmon B. Isaacs, Dairy department head.

Manuel Borges, Dairy Husbandry student from San Luis Obispo, will give demonstrations on artificial insemination at the pavilion.

Guessing contests are also on the Dairy agenda. Prizes will be awarded to guests who make the best estimate of the pounds of butterfat and milk produced by a cow on exhibit in the pavilion.

All dairy units will be open for inspection and students will provide guided tours during the two-day show.

The college dairy maintains an outstanding breeding herd of Guernseys, Holsteins and Jerseys numbering about 175 head. It includes several national champion produc-

Bio Science Majors Give Microscopic View of Organisms

Poly Royal visitors will be offered a microscopic view of the world around them in the Biological Sciences department display showing various features from the realm of living organisms.

Biological Science majors have been working in an attempt to show the various symbiotic relationships or interactions between animals and plants such as mutualism, predator-prey and commensalism.

The exhibits in the B and C wings of the Science Building will include displays in wildlife, microbiology, botany, entomology and invertebrates.

Overall student chairman of the Biological Sciences display is Jim Lee of Paso Robles.

The Wildlife display will feature various wild animals found within San Luis Obispo County and their predator-prey relationship. Steve Cross, Hemet, and Terry Mitchelres, Napa, are co-chairmen of the exhibit.

Bacteria and their relationships with other organisms will be in the micro-biology exhibit. Jerry White, San Luis Obispo, is chairman.

The invertebrate display, under direction of Irwin Haydock, Redwood City, will feature a prominent seashore habitat, the mussel-bed community, and the various symbiotic relationships between organisms found therein.

The botanical display features many of the wild flowers native to San Luis Obispo County. Bob Olson, San Luis Obispo, is chairman.

Various types of symbiotic relationships between insects within this county will be the entomology exhibit. John Potter of Napa is directing the display.

The curriculum in Biological Sciences is designed to give majors and other students majoring in the various agriculture departments the necessary botanical and zoological background for an understanding of the biological principles underlying their practical work and to train students who plan to teach the life sciences in secondary school.

Physical Education Majors Compare Old With New

The Physical Education Department will have their Poly Royal exhibit in the women's annex.

It will include the comparison of old gym equipment to the type available today. Also various games and how they are organized will be included.

The P.E. department has also planned special events including a baseball game with Fresno at 8 p.m., today. Other events scheduled for Friday are a swimming meet against Santa Barbara at 8 p.m., and a tennis match at 8:30 p.m. against Fresno.

At the pool tomorrow at 11 a.m. and 1 p.m. synchronized swimming has been scheduled.

John Sanford is in charge of the display. The department will also have a booth at the carnival.

Early in 1947 the Physical Education Department got its start at Cal Poly. The major function of the department is to provide both required and elective courses in physical education and health to meet the general education needs of all students.

To supplement this general education, the department administers an extensive intramural sports program for all students of the college.

A second function of the department is to prepare both men and women as secondary teachers in the fields of physical education, health safety education, and driver training.

Green Thumbs Plan Starlight Gardens

by Lonnie Allan

Do you have a talent for growing flowers? Everyone on campus with a green thumb has an opportunity to show off his talent at this year's flower show "Starlight Gardens" sponsored by the Ornamental Horticulture department during Poly Royal.

Anyone is eligible to enter the flower show today and tomorrow. All entries were in shop 7 in the Ag Engineering building yesterday and all specimen flowers were grown by the individual showing them. Some of the classes include specimen flowers and table arrangements. Divisions in the specimen flowers are annual, pre-annual, and bulb flowers, roses, flowering shrubs, and potted plants.

Ribbons will be awarded for first, second, and third place in each class. There will be a theme award for the arrangement and floor display section.

Judges for the flower show are Mrs. Elsa Upmann Knoll, Garden Editor for Sunset Magazine, Mr. Frank Kuwahara, President of California State Florist Association, and Mrs. Walter Tecklenberg, Teck's Florist, Lodi.

There will be a backyard and patio display with entries coming only from Ornamental Horticulture majors. They will be judged on plant materials and color.

The flower show will be in shop 7 of the Ag Engineering building. They will be open today from noon to 9 p.m. and all day tomorrow.

Foundation Radio and T.V. Shop

features

Rear Seat Speaker Installation \$4.95

Hours

Tuesday & Thursday	9-5
Wednesday & Friday	11-1
Saturday	9-12

All work guaranteed for 90 days

EE-15
Phone 330

COME ON IN!

It's Your Chevrolet Dealer's 2nd Annual

SPRING SALES SPECTACULAR!



The Bel Air 2-Door Sedan—unmistakably '59 in every modern line.

come in and pick your favorite Chevy!



Brookwood 4-Door Wagon.



The sporty Impala Convertible.



The 1959 Impala Sport Coupe.



Save on this El Camino, too.



The car that's wanted for all its worth.

SPECTACULAR DEALS NOW!

SPECTACULAR SELECTION NOW!

FAST APPRAISAL AND DELIVERY NOW!

TRADE AND SAVE NOW!

The happiest part of the Sales Spectacular is the kind of car your money buys. Every Chevy—sedan, sport model, wagon—shares a lean and lively streamline look, with plenty of room and a ride that's right for the roads you drive. Come in and take a close look at all of Chevrolet's features, right away.

Get WILDROOT CREAM-OIL Charlie!



GUTENBERG, bookmaker, says: "If you want hair that's neat, not greasy, you're just the type for Wildroot!"

Just a little bit of Wildroot and...WOW!



For a "Spring Sales Spectacular" deal see your local authorized Chevrolet dealer!

Grid Mentor Sees Strong Team for '59 Schedule

by Harold Young
Student Athletic Publicist

Headed by 27 veterans, Cal Poly's 1959 Mustang footballers begin spring drills May 4. Coach Roy "Silver Fox" Hughes will guide his charges through the 20-day workout which is expected to draw a large number of varsity candidates.

Little All-American guard Carlos Gonzales (230) heads the returnees. Gonzales will be joined by a galaxy of talented forward wall lettermen. Included are ends Curtis Hill, Darwin McGill, tackle Pat Lovell, and centers Rich Max and Bob Williams. Williams is a three-year letterman from Santa Maria.

Hughes has several backfield performers back from '58, including signal caller Tom Klosterman. The two-year quarterback is backed by letterman John Panagakis. In the ball carrying department the Silver Fox can depend on 210 pound Gary Van Horn, 200 pound Claude Turner—a two-year veteran—plus lightweights Ray Porras (160), Willie Hill (165), Tom Darnell (150) and Benny Martin (160). All but Porras are halfbacks, however, Turner and Van Horn both served at fullback spot on occasion last fall.

Fullback help is available in Bakersfield transfer Carl "Bumper" Bower, a 210-pounder. Other newcomers expected to contribute to the 1959 nine-game schedule include a trio of husky linemen. These are Sylvester "Boxcar" Cooper, Mark Margetta, and base-ball playing Bob Napoli. Cooper is a 270-pound tackle transfer from Bakersfield College. Margetta played ball at Sacramento JC and weighs in at 210. Napoli is just out of the service; he played at Monterey Peninsula College as a linebacker and guard.

The Mustang mentor indicated seven 1958 fresh gridders he expected to play a prominent role in the '59 varsity slate. These are guards Lynn Lobaugh (190) and Russ Zierman of Santa Maria (210), tackles Mike Arlotto (220) and Jim DeMartin (230), and center Terry Farza (200). Backfield men are quarterbacks John Ramsey and Ted Tollner.

Tollner shattered all Cal passing marks last season for Coach Tom Lee's freshmen and the 6-8 slinger is expected to see much duty for the Mustangs, come fall. Ramsey is a standout on defense and is capable of playing end or in the backfield.

Causing the varsity coach to smile in expectation is freshman Al Maranal, who graduated at mid-year from San Francisco's Polytechnic High. The 200-pounder was an all-city tackle for Poly High and was a first stringer on the 1957 North Shrine eleven.

15 Poly Cagers Jump Into '300' Charmed Circle

Since 1947 there have been but 15 cagers who have scored 300 points or more during a season for the Cal Poly Mustangs.

Hank Moroski, one of Cal Poly's all time greats tanked 325 points in 1947-48. Little Bob Coghlan totaled 304 for the same season.

Following Moroski's and Coghlan's efforts were 13 others ending with this year's Vic DiGiovanni who totaled 315 for a year's work. Other names familiar to Mustang basketball fans are Ed Nichols, Doug Strathearn, Algin Sutton, Joe Aguilar, Dave Ziemer, Larry Madson, Ernie Hall, Jim Crookom, Len Oswald, Theo Dunn, Atwood Grandberry and Mike Simmons.

Scoring the most points for a season is Theo Dunn, expected to be back in the lineup next fall after a stint in the armed services, who tallied 443 points for an average in 23 games of 19.2—the top average among those hitting the charmed "300" circle.

Only two cagers have hit 300 points or more in three years of play. They are Moroski, a guard, and Sutton, a center.

Each year the State Department of Education conducts a survey to determine the number of students who will be graduating with teaching credentials in industrial arts from the institutions in California with accredited industrial arts departments. During the current year this number is conservatively estimated at 220.

Coach Announces Spring Football Rehearsal Dates

Spring football will get underway here May 4.

This announcement was made by Coach LeRoy Hughes as he urged all students interested to check out equipment April 29 through May 1.

The 20 days of drill will be allmaxed by the annual spring game May 27. Practices will run from 4:30 to 6 p.m. on weekdays and from 10:30 to noon Saturdays.

"We have 180 uniforms," Coach Hughes emphasized, "and we want to fill them all. It will be an opportunity for anyone interested in the game to play since many of the varsity gridders will be out for other spring sports."

The Mustangs won nine games and lost one last year.

Swimmer Gets Nod As All-American

Gene Lens, Poly swimming star and one of the outstanding American distance swimmers, has been named to the 1959 All American swimming team by the college swimming coaches of America.

Mustang Coach Dick Anderson says the honor is the second for Lens who earned All-American recognition last year while in his junior year.

Lens, from Santa Maria, earned the honor for his outstanding performance in dual meets and in the National Collegiate Athletic Association championships held recently at Cornell University in Ithaca, N.Y.

The Green and Gold swimmer was the highest-finishing American in the 1500-meter event, finishing third behind Bill Stuart from Michigan State and South Africa and second-place John Urbansock who hails from Hungary via the University of Michigan. Fourth placer was Balass Gyorgy of Hungary who is attending Yale University. Lens finished fifth this year in the 440 yard freestyle event.

Over the past three years, Lens has practically rewritten the Cal Poly swimming record book. Of the 19 records listed, he figured in 12 individual and relay marks. He also holds five state college swim standards.

Mitt Man Takes National Honor

Walt Halley, 147 pound boxer on Coach Tom Lee's mitt team, has been named on the 1959 All-American intercollegiate boxing team.

The selections were made by the coaches of the National Intercollegiate Boxing Coaches Association and was sponsored by the Wheaties Sports Federation.

Halley, from San Diego, was runner-up both in '58 and '59 in the National Collegiate Athletic Association finals. Three San Jose State boxers were named to the squad. They are Nick Akana, 125, Dave Nelson, 132, and Archie Milton, heavyweight.

Others named to the first team are 112, Heiji Shimabukuro, College of Idaho; Joe Bliss, 189, Nevada; 166, Terry Smith and 165, Jim Flood, both of Sacramento State; 178, John Horne, Michigan State.

Halley, one of Cal Poly's most colorful boxers in years, is a powerful puncher and classy boxer.

The classy ringman's most powerful performance this year was in the first bout of the season as he jumped from his regular weight to 165 to draw with two-time NCAA champion Jim Flood of Sacramento State.

The demand for trained florist personnel is far in excess of the number now in this field.

Grid Guard Gets National Rating

When Carlos Gonzales, Cal Poly's highly touted guard was named little all-American by the Associated Press this past fall, it marked the second time a Mustang griddler had earned the honor.

In 1958, Stan Sheriff, hard hitting center and linebacker for the undefeated eleven in 1958, was named first string center on the little All American team. Sheriff is now an assistant coach at Iowa State Teachers college.

Gonzales, a 230 pound hard running lineman, was also named to the United Press International All-coast team and honorable mention on the all coast squad which included players from large schools.

Other honors falling on the junior physical education major; on Los Angeles State's all opponent team, and a unanimous choice of the coaches of the California Collegiate Athletic Association to the all Conference team. He was also named all conference in 1957.

The Rosemead athlete has a reputation as a punter. In the two years of kicking for the Green and Gold, Gonzales has punted 55 times for 118 yards, for an average of 2.1 yards per kick.

From 40 to 50 vacancies must be filled in the agriculture teaching field each year in California.

THE WHOLE TOWN'S TALKIN'

about **Clarence Brown's** diamond rings

Congratulations on your 27th annual Poly Royal A MUSTANG BOOSTER No Down Payment Terms as low as \$1.00 a week

CLARENCE BROWN

San Luis Obispo's Leading Credit Jeweler Since 1934
862 Higuera Open Thursday 'til 9 p.m. LI 3-5648
CAL POLY'S GIFT HEADQUARTERS
862 Higuera Open Thursday 'til 9 p.m. LI 3-5648

Poly Royal, Way Back When This Was A School



MANY YEARS AGO . . . Ag Engineers from yesteryear display their wares at a Poly Royal during the period from 1933 to 1940. Notice the buildings in the background—the one at far right is the Agricultural Education building which still stands today. It is located next to the bell tower on the Administration Building.

Welders Preview New Attractions

By Phyllis Read

Previews of a coming attraction are on display in the welding shop.

A special feature in the department's display centers around a new major to be opened next year in Metallurgical Engineering, the study and science of metals.

The machine is a metallograph, a specialized microscope for viewing metal specimens. It will project a magnified image on a screen through the use of mirrors, or take a picture of the metal.

Cal Poly is the only college in the west offering a curriculum in welding and will be one of the two in the United States teaching Metallurgical Engineering.

Along with the metallograph, demonstrations are set up with students using the oxyacetylene and arc welding equipment, and an automatic welder.

The display is being handled by the American Welding Society, Cal Poly's student branch of the national organization.

Cal Poly's welding department started as a blacksmith shop and gradually worked into the present welding shop during World War II offering training in production sales and inspection of the principal welding processes.

All engineering majors and many agricultural majors are required to take courses in welding. About 700 students a week get instruction in lab work.

Coffee will be served at 2 p.m. today and tomorrow.

Poly Mermaids Will Perform Twice During Poly Royal

The Cal Poly women's synchronized swimming team under direction of Christine Bays, senior Physical Education major, will perform twice tomorrow in the natatorium. The first performance will be at 11 a.m. with the second at 2 p.m.

Miss Bays was the choreographer, writer, and director of last year's popular Aqua Show during Poly Royal which played before capacity crowds.

Miss Ann Boukidis, faculty adviser for the group, states that the theme, "Ode to the Arts", represents an unusual type of aquatic art in that it is a creative form attempting to interpret various phenomena through the media of movement in water.

The participating eed mermaids are: Sue Atkins, Terry Baug, Chris Bays, Sandy Baze, Loy Borge, Janet Franklin, Mary Jo Lovett, Gayle Manley, Sandy McGovern, Vicki Porter, Sue Roberts, Linda Remund, Maxine Ryne, Pat Smith, Diane Smithson, Sandy Tyler, and Judy Willard.

The hour-long performance includes ten acts and was presented last night at Arroyo Grande High school.

Food processing will be offered as a new curriculum at California State Polytechnic College, San Luis Obispo, beginning with freshman courses in the subject in the fall quarter of 1959. The new department will offer students a choice of specialization in production management or processing equipment.

Math Contests Slated For Visitors, Students

A Mathematics contest for high school seniors, visiting students, and adults will be the highlight of the Mathematics Department's Poly Royal Exhibit in the library today from 9 a.m. to 4 p.m.

Volmar A. Folsom, general chairman of the exhibit, will direct the contest with the aid of the rest of the Mathematics Department staff. As each contestant finishes the test, it will be scored and the winners results will be posted on large boards beside their name and hometown. Center for the contest will be in the library's Periodical Room, Reading Room, and part of the lobby.

El Corral Is Looking For a Clock Watcher

Attention clock watchers! Somebody is watching you. All suspects are being watched as they watch their clocks, and the search will be continued until someone is found watching the Coca-Cola clock that has been lifted from El Corral.

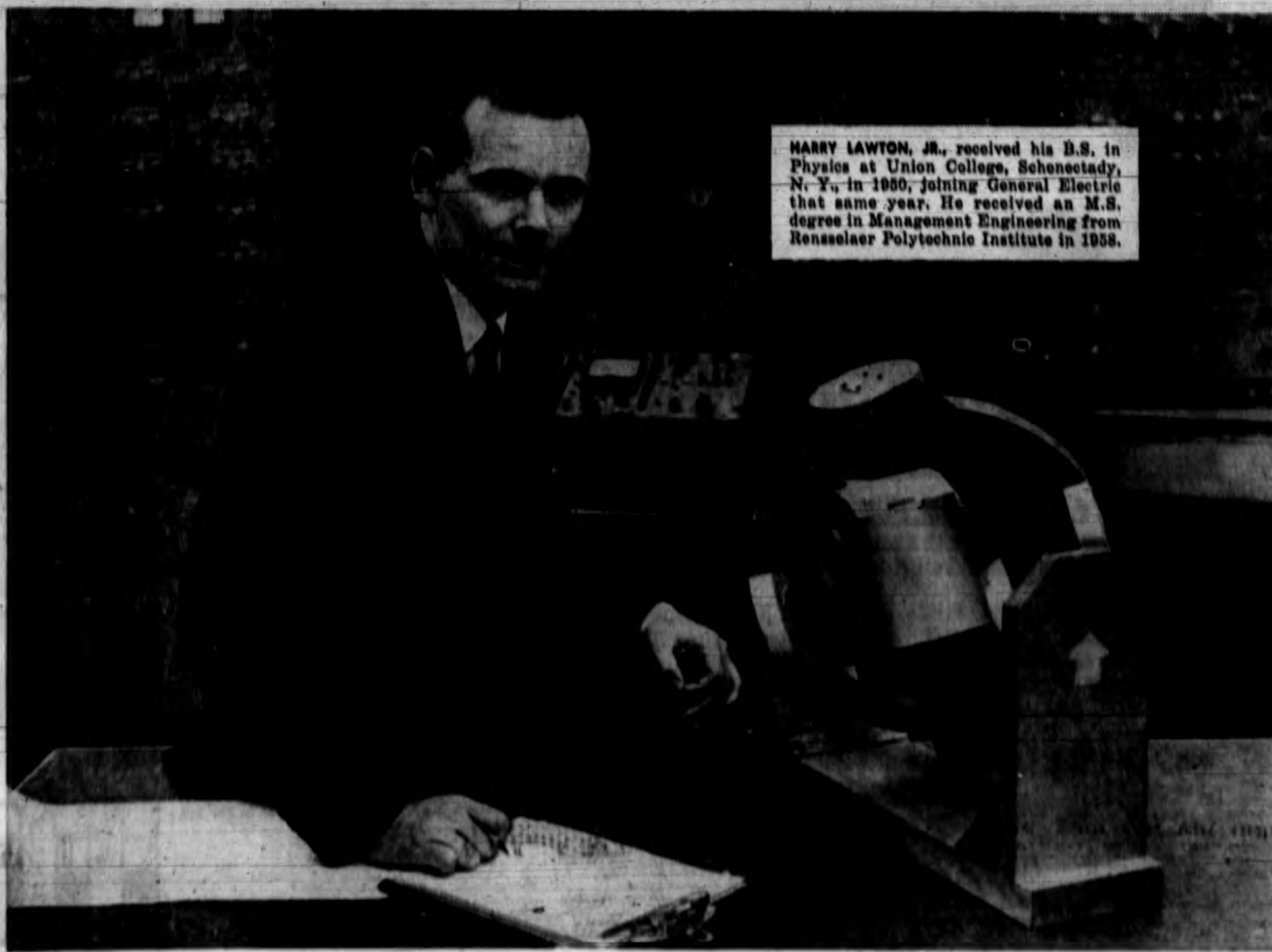
Tom Colter, main El Corral Coca Cola clock watcher, reports the loss of the time piece and repercussions of same. "The office girls are taking an 15 minute coffee break instead of the 15 minute, one. Production is slowing down!" says Colter.



COW JUICERS . . . Slapping to have their pictures taken were these participants in the cow milking contest at one of the first Poly Royal celebrations. The contest was one of the most popular in the early days of the "country fair on a college campus", which was when Cal Poly was known as the little ag school near San Luis Obispo.



HARD AT IT . . . Here the men try their hand milking skill on the foundation herd at the spring celebration. Things have tamed down in recent years, however. The woman will compete in a calf leading contest in the Dairy department display.



HARRY LAWTON, JR., received his B.S. in Physics at Union College, Schenectady, N. Y., in 1950, joining General Electric that same year. He received an M.S. degree in Management Engineering from Rensselaer Polytechnic Institute in 1958.

"Long-range programs are important — for both men and missiles"

"In a company dedicated to research and development, a young man's opportunities to learn more—to increase his technical skills—are almost unlimited," says 31-year-old Harry Lawton, Jr., a General Electric engineer engaged in the development of inertial guidance and fire-control systems for ballistic missiles. "And to maintain America's scientific leadership, we're going to need all the technical training and skills we can produce."

"An important aspect of my job at General Electric is the continuing opportunity to learn more. I've been able to continue my education in the company's Physics Program for college graduates. And I also have the advantage of association with top technical experts in my work. Opportunities like this have helped me realize that long-range programs are important—for both men and missiles."

Harry Lawton is one of several hundred technical graduates who are devoting their skills to the develop-

ment of 14 government missile projects to which General Electric is a major contributor. More and more our scientific progress and our national security depend on men like this—men who bring high qualifications to their work and who continue their quest for knowledge, both on and off the job.

General Electric believes that individual initiative and career growth are essential to America's continued technological leadership. To this end, the company encourages all of its employees—including more than 30,000 college graduates—to develop to their fullest capabilities by providing opportunities for increasing knowledge and working skills.

Progress Is Our Most Important Product

GENERAL  ELECTRIC

Friday, April 24, 1959

Audio-Visual Group Shows Student Project in Art in Classroom 17

Projects made by students to facilitate learning will be the principal feature of the Audio-Visual and Art exhibits in Classroom 17.

This department is new to Poly Royal this year since the exhibits have been included in the Education department's displays in past years.

Charts using electrical devices, models, slides and other unusual material will be shown.

Crafts projects in the areas of woodworking, mosaic, ceramics, leatherwork, printing, metal and

weaving will be exhibited. Fifty different projects suitable for elementary school children will be featured on the walls. Comparison of old time methods of teaching drawing with the present day ideas will be shown in keeping with the theme, "Proud Past, Bright Future."

Annual Newman Breakfast Hosts Queen And President

The annual Poly Royal breakfast will be sponsored by the Newman club, Sunday morning at Mission High School cafeteria. Time set is 10 a.m. or immediately following 9 a.m. mass. Karl Waltz of the Electronics staff is master of ceremonies.

Wagon Tours
Wagon tours of the campus will be leaving from the Library at regular intervals between the hours of 10 a.m. and 5 p.m. both today and tomorrow.

Guests will include President Julian McPhee and Queen Anna Boysen. Tickets may be purchased from any Newman Club member or at the door Sunday morning.

WIN
with



WIN
with



WIN
with



COLLEGE PUZZLE CONTEST

FOR STUDENTS AND FACULTY MEMBERS

2 GRAND PRIZES



WIN A RAMBLER STATION WAGON!

LIGHT UP AND LIVE IT UP! 3 great cigarettes offer you 627 chances to win! So pick your pack—save the six wrappers—and get going! It's crossword puzzle fun and real smoking pleasure all the way!

ENTER OFTEN—HAVE FUN—AND WIN! But think carefully! This puzzle is not as easy as it looks. At first the DOWN and ACROSS clues may appear simple. There may appear to be more than one "right" answer. For example, the clue might read: "Many a coed will be given her best date's P.-N." Either "P" (PIN) or "E" (PEN) would seem to fit. But only one answer is apt and logical as decided by the judging staff, and therefore correct. Read the rules carefully. **ENTER AS OFTEN AS YOU WISH.** Good luck!

RULES—PLEASE READ CAREFULLY

1. The College Puzzle Contest is open to college students and college faculty members except employees and their immediate families of Liggett & Myers and its advertising agencies.
2. Fill in all missing letters . . . print clearly. Use of obsolete, archaic, variant or foreign words prohibited. After you have completed the puzzle, send it along with six empty cigarette wrappers of the same brand (or one reasonable hand-drawn facsimile of a complete cigarette wrapper of any of the three brands) to: Liggett & Myers, P. O. Box 271, New York 46, N. Y. Enter as often as you wish, but be sure to enclose six package wrappers (or a facsimile) with each entry. Illegible entries will not be considered.
3. Entries must be postmarked by midnight, Friday, May 29, 1959 and received by midnight, Friday, June 5, 1959.
4. Entries will be judged by the Bruce-Richards Corporation, an independent judging organization, on the basis of logic and aptness of thought in solutions. In the event of ties, contestants will be required to complete in 25 words or less the following statement: "My favorite cigarette is (Chesterfield) (L&M) or (Oasis) because" Entries will be judged on originality, aptness of thought and interest by the Bruce-Richards Corporation. Duplicate prizes will not be awarded in event of final ties. Illegible entries will not be considered. By entering all entrants agree that the decision of the judges shall be final and binding.
5. Solutions must be the original work of the contestants submitting them. All entries become the property of Liggett & Myers and none will be returned.
6. Winners will be notified by mail as soon as possible after completion of the contest.
7. This contest is subject to all Federal, State and local laws and regulations.

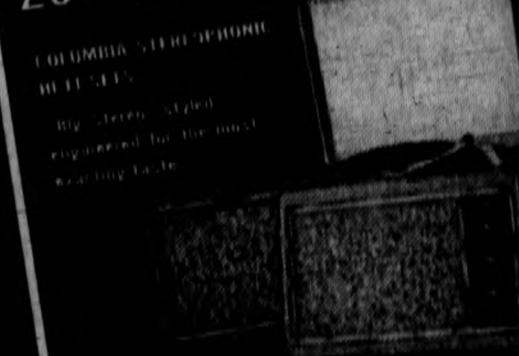
CLUES ACROSS:

1. These may indicate that a nation is prepared to wage war in the air.
2. Some college students.
3. When at . . . Light up an Oasis.
4. Sinking ship deserter.
5. Plural pronoun.
6. One expects . . . discussions in a sociology class.
7. A student's careless . . . might annoy a short-story instructor.
8. Initials of Uruguay and Denmark.
9. Germanium (Chem.).
10. Nova Scotia (Abbr.).
11. It probably would count when you pick a horse to bet on.
12. Sometimes a girl on a date must . . . into her pocketbook to help pay the tab.
13. Fine muscle-builder's . . . may fascinate a poorly developed man.
14. Chemical Engineer (Abbr.).
15. Campers will probably be . . . by a forest fire.
16. When starting a trip, tourists usually look forward to the first . . .
17. At home.
18. Literate in Arts (Abbr.).
19. Familiar for faculty member.
20. Associate in Arts (Abbr.).
21. One could appear quite harmless at times.
22. Reverse the first part of "L&M".
23. What will soon appear in a bombed-out city.

CLUES DOWN:

1. The beginning and end of pleasure.
2. A rural . . . can be inviting to a vacationist.
3. Second and third letters of OASIS.
4. When one is . . . packed, it could be exasperating to remember a few articles that should be included.
5. It would pay to be careful when close is . . .
6. Grounds to relax on with a mild CHESTERFIELD.
7. Author . . . Ambler.
8. District Attorney (Abbr.).
9. A . . . from Paris should please the average woman.
10. An inveterate traveler will . . . about distant lands.
11. A . . . are hard to study.
12. An inveterate traveler will . . .
13. Stone, bronze and iron . . .
14. How Mexicans say "Yes" . . . high in smoking pleasure.
15. All L&M cigarettes are . . .
16. May be a decisive factor in winning a horse race.
17. Initials of Ogdenhorpe, Iona, Rutgers and Emerson.
18. United Nations Organization (Abbr.).
19. Golf mounds.
20. Colloquial for place where the finest tobaccos are tested for L&M.
21. Poet Laureate (Abbr.).
22. Filler ends.
23. What Abner might be called.
24. Bachelor of Education degree.

25 SECOND PRIZES:



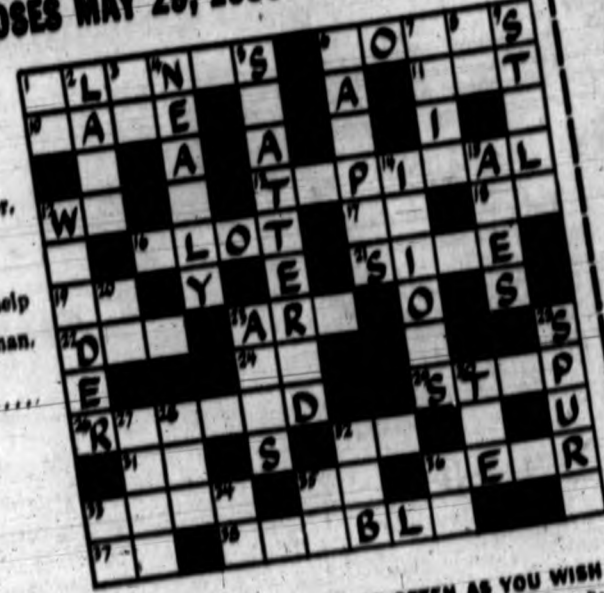
100 THIRD PRIZES:



500 FOURTH PRIZES:

Cash or America's finest cigarettes.

HURRY! ENTER NOW! CONTEST CLOSES MAY 29, 1959



PRINT CLEARLY! ENTER AS OFTEN AS YOU WISH
Mail to Liggett & Myers, P. O. Box 271, New York 46, New York. Be sure to attach six empty cigarette wrappers of the same brand (or facsimile) from Chesterfield, L&M, or Oasis cigarettes.

Name _____

Address _____

College _____

This entry must be postmarked before midnight, May 29, 1959, and received at P. O. Box 271, New York 46, New York, by midnight, June 5, 1959.

© Liggett & Myers Tobacco Co.