FOREWORD

May this volume bring its reader happy memories of the school year which it chronicles. May it recall through the passing years that most treasured human gift—friendship. May the splendid accomplishments of its characters be a forecast of their success as citizens.

EL RODEO STAFF

HENRY DUNNING, Manager,
1933 El Rodeo
THE STUDENT BODY OF
The California Polytechnic School

DEDICATES
The 1933 Edition of El Rodeo

To the ideal of vocational training, which provides skill for the hand in unison with development of the mind.
ADMINISTRATION
A MESSAGE FROM THE ADMINISTRATION

The school year 1932-33 has been marked by a decided change in the organization of the California Polytechnic. All academic work, both high school and junior college, which could be used for college credit had been eliminated. A type of institution familiar in the east and demonstrated by such schools as Wentworth, Drexel, and Dunwoody, was established.

From left to right in the administrative group are, C. O. McCormke, director of agriculture; J. H. Perozzi, superintendent of heat, light, power and water; the President; C. E. Knott, director of industry; and L. E. McFarland, superintendent of farm, buildings and grounds.

Nine years spent as president of the California Polytechnic have on the whole been years of most delightful associations and great satisfaction. The growth and development of the physical plant and the increase in enrollment to over 400 were due to the splendid cooperation of the state office and our co-workers to whom we give full credit. Naturally it is with regret that the vision of a great technical institute on the Pacific coast must be abandoned; however, I wish to extend the best of good wishes to the head of the agriculture department, trusting that he may build wisely and successfully on the foundation already laid.

Ben R. Crandall, Pres.
FACULTY AND OFFICE FORCE

California Polytechnic is most fortunate in having such a cosmopolitan family. In the true sense of the word they are at home in any part of this world of life. They have come, to the positions which they now occupy in this institution, well-qualified both educationally and personally. Combine the highest standard of proficiency in any educational or vocational line with the innate ability to instruct in such, and you will have a general characterization of the members of the faculty of this school.

Not only have these people served in the capacity of teachers, but also as sympathetic consuls, ready to listen to and to advise on individual or collective student problems. All campus enterprises throughout the year have been backed up by the members of the faculty, and their spirit of whole-hearted cooperation has won for them the highest respect of the students.

Poly's faculty members are indeed exceptional. Competency, understanding, native ability, and cooperation, combine to make them, in student estimation, ideal for the positions which they now occupy.

In the picture, front row, from the left, Dr. Ben R. Crandall, C. O. McCorkle, Lynn Broughton, Margaret L. Hansen, Margaret H. Chase, Dagmar B. Goold, Angela Ghirlanda, Margaret Paulsen, Hope A. Jordan, J. J. Hyer, George P. Couper, Walter Albrethsen.


JUNIOR COLLEGE
THE JUNIOR COLLEGE DIVISION

This is the sixth and last anniversary of the Junior College division of the California Polytechnic. With twelve men graduating from the Junior College this year and twenty-seven from previous years makes a total of thirty-nine students that Polytechnic has helped to prepare in their battle against the world.

William J. Cooper, state director of education in 1927, knew the need for a Junior College specializing in vocational education. It was through his efforts that a charter for a Junior College division was given this school. Many students came here with a desire to obtain more technical knowledge and skill than the vocational high schools provided but did not desire to take too theoretical a course. They gained skill from the vocational work and the subjects of college grade gave them a broad foundation for future growth.

The California Polytechnic has excellent shops and laboratories as well as the proper atmosphere for the development of the trained worker. With a corps of teachers devoted to the principles and practices of vocational education the students are bound to succeed.

The Junior College division has been growing steadily since its beginning in 1927. Due to not having sufficient funds to continue their school work several of the men who could have graduated this year were unable to do so. Enrollment in the entire division has been somewhat lower than last year.

In addition to the graduating class of the Junior College, two other class groups were organized consisting of those beyond high school age.

One group was the Junior College sophomores. This class consisted of those students who had completed a year of junior college work at the California Polytechnic school or elsewhere and were matriculating in their second year but would not graduate from the Junior College.

The second group consisted of all those who had graduated from high school and had not completed a year of Junior College work at the California Polytechnic school or elsewhere. These were known as the Junior College freshmen.

A third group which is included in this section of the book although not a Junior College division, were the high school seniors. These students included those whose credits entitled them to a high school diploma. The sheepskins were awarded by the San Luis Obispo high school in special exercises.

Of the four divisions, only the Junior College graduates and the high school graduates had formal significance. The formation of the other two classes promoted friendly rivalry and built up a wholesome class spirit among the entire student body.

Keen competition was developed among the Junior College classes and high school seniors in the annual Hick Day events held May 19. In addition, rivalry was developed in the matter of members on athletic teams and for various student offices and activities.

Pictures and activities of the final graduating class from the Junior College division of the California Polytechnic follow.
Webster Sparman
Atascadero
Electrical Engineering
Poly Phase '31, '32, '33
Orpheus club '32, '33

Louis Wallace
Los Angeles
Aeronautics
El Rodeo Spts Ed.'32,'33
Polygram Spts Ed.'33
Aero club '31, '32, '33
Football
Basketball
Block P Trens. '33

CLASS PRESIDENTS

KENT MILLER, J. C. Grads  WALTER WHITTIER, H. S. Grads

LOEL KRAMER, J. C. II  CARL JOHNSON, J. C. I
The Junior College sophomore class was organized late in the year due to the fact that the regular Freshman-Sophomore ratings of former years had been discontinued. All of its members are second-year Junior College men.

The class was brought into being principally for the express purpose of making a bloody shambles of the Junior College frosh class at the annual Hick Day festivities. As soon as its organization was complete a challenge was extended the Junior College I class to "try and get our flag." This challenge was joyfully accepted and on May 19 the J. C. I class found plenty of activity at various points on the campus and in town.

The J. C. II class furnished many outstanding members of the football and basketball teams.


The Junior College I class consists of students who have graduated from high school and have not attended Junior College. This year's class is somewhat smaller than last year's, but the spirit is just as great.

In social and athletic activities, the J. C. I's have stood out in front with some of the best athletes Poly has had. Some who won distinction in football are Leslie Rios, James Stockdale, Bob Robinson, William Hanchett, William Owens, Colyear Burress, Louis Tennant, Larry Bowlus, Clifford Bjork and Lionel Middlecamp; in basketball, Edmond Jauch, Rios and Tennant; in track and baseball, Stockdale, Tennant, Joe Rodolfa, Clifton Walek, Bowlus, Bob Arthur, William Casper, Edwin Flory and Melvin Swearingen. Fred Perozzi brought distinction to our class by editing the 1933 El Rodeo.

The mighty frosh were favored to win the Hick Day events this year, and look forward to the day when the sophs would lose their flag.

In the picture, front row, from the left, Cecil Brown, Roger Davis, Pat Brown, Lowell Cox, Jack Reingpack, Clifton Walek, Al Gholson, William Casper, Bob Robinson, William Nolan.


Fourth row, Bert Willmirth, Gerald Busch, Ken Bailey, Rector Miller, Howard York, Ken Fielder, Larry Bowlus.
SENIOR CLASS

Harry L. Rice
San Luis Obispo
Band '31, '32
First Lieut. '33
Sax Band '31, '33
Orpheus club '31, '32, '33
Poly Phase '31
Aero club '33

George J. Anholm
San Luis Obispo
Jr. Architect club '30
Orpheus club '31, '32, '33
Band '31, '32, '33
Sax Band '31, '33
Orchestra '32
First Lieut. Band '33
Aero club '33

Philip H. Taylor
Ventura, Cal.
Transfer from Ventura High School
Aero club '33
Poly Y '33
Poly Quartette '33
Heron Hall club '33
Sec.-treas. Senior Class

Robert W. O'Hara
Hollister, Cal.
Transfer from Hollister High School
Aero club '33
S. A. C. '33
Heron Hall club '33
V.-pres. Senior Class

Walter W. Whittier
Sacramento, Cal.
Barracks club '29, '30
Deuel Dorm club '30, '31
Corporal Co. C '30, '31
Kitchen Krew Klub '33
Eng. Mech. club '29
Sgt. Co. B '31
Sec. Lieut. Co. B '32
V.-pres. Aero Prep cl. '32
Aero club '33
Heron Hall club '31, '32
Pres. Senior Class

Joe H. Carlson
San Francisco, Cal.
Deuel Dorm club '30-'32
Heron Hall club '33
Aero club '33
Kitchen Krew Klub '33
Aero Prep club '31, '32
Corporal '31

Philip A. Jensen
Hayward, Cal.
Transfer from Hayward High School
Aero club '33
Poly Y sec.-treas. '33
Heron Hall club sec.-treas. '33

Kenneth H. MacDonald
Oakland, Cal.
Sr. Drft. Mech. Assn. '33
Vice-pres. Heron Hall club '33
Track '32, '33
Football '33

Clay P. Davidson
San Luis Obispo
Poly Phase '32, '33
Football '30

Kenneth N. Shroock
Pismo Beach, Cal.
Poly Phase '30-'33
Glee club '30, '31, '32
The periods of History are periods of Education. Development of the mind changed the cave-dweller into the nomadic shepherd, the shepherd into the Grecian philosopher. Destruction of education and culture brought the Dark Ages and its resurrection the Renaisssance. No nation, lacking in educaion for the masses, can maintain superiority in any field. The United States, supreme power in the production of raw and manufactured products, would still be a struggling pioneer wilderness but for the national growth of its educational system.—Selected.
SENIOR CLASS HISTORY

Senior! As a term it holds a variation of meanings to the members comprising this class. To some it is the grand climax of a course in Polytechnic which they began in 1929. To others, who came by transfer this year, it is the passing of the first milestone on the road to a successful course in the line of their chosen profession. To the members of the senior class the approaching graduation means either the beginning as a student in life or the continuation in such a capacity in the educational realm.

Owing to the lack of differentiation between classes, the close unity of the school as a whole under the new system, this class has not been able to run true to form as a senior class. Nevertheless, traditions of past years have been upheld, as the fellows participated with vim and vigor in Hick Day and Ditch Day. The class colors are also attached to the school shovel and the memory of the class is more than sentimental in representation.

The accomplishments of this group have not been collectively outstanding, but the individual records of the members will not be forgotten very quickly. In club and campus activities, which have been few, members of this class have been more than instrumental. Throughout the whole of the class activities the spirit of cooperation has been foremost.

With the deepest sincerity, we the senior class, thank Dr. Crandall and all the others, who have been such sympathetic, understanding, and helpful advisors during our days here, whether few or many, and are also thankful for the opportunities afforded us by such a marvelous educational unit as the California Polytechnic school.

SENIOR CLASS WILL

I, Phil “Shuffle-foot” Taylor, will and bequeath my position as chairman of the suction gang to Johnny Oliveras.
I, Robert Nevin, will my stinky pipe to Dirty-shirt Beardslee.
I, Philip “Marconi” Jensen, will my moustachios and my collection of junk to Arnold “Worry-wart” Thompson and “Cholley” Stone, respectively.
I, George “Schnozzle” Anholm, will the pants I wore to the skating rink to the honorable “Napie” Huntsinger.
I, Bob “Frigidaire” O’Hara, will and bequeath my sleeping-bag to “Elephant-ears” William Gardner Procter Smith.
I, Benjamin “Dopey” Munoz, will my ability to mix drinks to Eylar “Swede” Erickson.
I, Don Pablo “Toreador” Uribe, bequeath my ability to serenade senoritas to Chuck “Gigolo” Chambers.
I, Walt “What-a-man” Whittier, will my dish-breaking technique to the campus queen, Lois Franklin.
I, Gordon “Hog-raiser” Troup, will my big mouth to Delbert Chambers.
I, Harry “M. J. B.” Rice, will and bequeath my knowledge of aeronautics to Fred “Scientific” Peterson.
I, John “Yogi” Hurtt, will my love for the ladies to Allan Flack.
I, Willie Schneider, will my position as chief pilot to “Dude” Hirsch.
I, Clay Davison, will and bequeath my ability to argue to Roger Davis.
I, Tom Hancock, will my good looks to John Benich.
I, Kenneth Shyrock, will and bequeath my beautiful and curly auburn hair to Chuck Rogers.
I, Joel “Shirt Tail” Carlson, will the hair on my chest to Orville “Punk” Gardner.
I, Kenneth “Hoople” MacDonald, will my technique to Elliot Shohan.
I, Glen “Sister” Phillips, will and bequeath my bow legs to Gerald Busch.
Witnessed:

BOB O’HARA,
JOEL CARLSON.
AGRICULTURE
The objective of the agricultural courses is to prepare the student to enter a farming vocation, either as owner, manager or foreman, or as a skillful agricultural worker. The keynote of the method of instruction employed is the opportunity for the student to work with the livestock, poultry or agricultural enterprises in which he is interested, carrying it thru the entire cycle of purchase, production and marketing, under conditions similar to those which would be met in actual farm operations.

The class instruction in the lower division course deals with the relative importance of major farming enterprises. It provides study in selection and management of livestock, poultry, fruit and field crops. Regular class time is devoted to supervised instruction and practice in doing the common farm jobs involved in carrying on these enterprises. Additional practical experience is gained by pupils who find part-time employment with the general farm work, the herds and flocks, the poultry unit, and the management of the fruit and field crops. This course deals with beef and dairy cattle, sheep, hogs, horses, poultry, related field crops and horticulture.

The instruction in the upper division is given on three levels, namely:

1. Courses based on projects: The instruction is based on the study required and the experience gained in planning, carrying on and analyzing the student-owned individual projects. The student will normally carry one or more major projects with additional minor projects in related enterprises.

2. Courses based on advanced supervised practice: After a successful completion of the project courses the student will be given an opportunity to carry on an advanced supervised practice program based on production, management and marketing of the livestock and products from the school units now in operation. Students are assigned to farm units according to their major interest and keep accurate records of the transactions involved.

3. Supervised commercial farm practice: As a final check on the ability of the student to successfully carry on farming under typical California conditions, arrangements are being completed to provide opportunity for students to work under supervision on a typical commercial meat animal, dairying, poultry, field crops or horticultural farm. Satisfactory completion of this supervised work as evidenced by the recommendation of the farm owner or manager is helpful in placing students upon completion of their instruction.

Related subjects including agricultural mechanics, farm business management, farm English and agricultural science are given. Insofar as possible the content of related subjects is based directly on subject matter supplied by the major course in which the student is enrolled.

The agricultural mechanics course is designed to fit the prospective farmer to economically care for and operate the machinery on the typical California farm. To do this, students carry on construction projects as well as farm machinery repair work on a large scale.
MEAT ANIMALS DEPARTMENT

Instruction in the Meat Animals department has been designed to fit the individual needs and problems of the prospective meat producer.

Instruction in the feeding, care and management of the meat breeds is given in the class room and actual practice is gained from the student-owned project animals.

Each boy is allowed to choose the type of project he wishes to conduct; whether it be fattening feeders for the market or the management of breeding stock in sheep, swine or cattle.

Some of the meat produced by the projects is butchered and sold at the cafeteria by the students, but the majority of the produce is sold on the open market at San Francisco and Los Angeles, where, because of its reputation, Poly stock always tops the market.

An intensive study of the opportunities for meat production in California is made. The locations most fitted for the production of meat animals in California and the various feeds and climatic conditions are carefully considered.

The Poly herd records and registrations of the Hereford and Short-horn cattle, Duroc-Jersey and Poland-China hogs, and Rambouillet, Southdown and Hampshire sheep are managed by the classes.

Following the third year of work, and as modern California farms are available, the student is placed to complete his fourth year or the “Supervised Commercial Farm Practice” year.

An enviable record has been established by this department in the various livestock shows. Some of the outstanding winners of the 1932-33 season were: F. F. A. champion steer at Sacramento, F. F. A. champion steer and reserve grand champion of the Junior Livestock Show at San Francisco, champion Shorthorn at the same show, champion Shorthorn in the open class at the Great Western Livestock Show in Los Angeles; champion Angus steer and grand champion pen of lambs at the spring show at South San Francisco. Although they did not win championships, many other project animals won prize money.

The total amount of prize money won at these three shows amounted to $800, an average of $33 per student. Sales of student-owned stock total $9000. These pictures are for the school year of 1932-33.

Many entries were made by the department in the First Annual Poly Royal Agricultural Show, held March 31. D. T. Batchelder, manager of the Rosemary Farms, was the judge of all livestock.

The judging was based on the ability of the showman to fit and show his animals, rather than on the excellence of the animal, to give every student an equal chance. Because of this fact, each animal was judged twice, at the beginning of the fitting period and on the day of the show. Blue Boy, the reserve national champion Hampshire boar owned by the state association of Future Farmers and cared for by the local chapter, was exhibited but did not compete.

Following the Poly Royal, many of the project animals were entered in the South San Francisco Junior livestock show held April 10-13.
DAIRY DEPARTMENT

The dairy department has faith in and is proud of its chosen vocation, dairying. The industry returns nearly one-fourth of the total income derived from agricultural products.

Instruction and training are received in all phases of dairying. Abilities to feed, manage, breed and otherwise handle dairy cattle are developed. Learning to market and to handle dairy products is another phase of the work. In addition to class work here at school, much enjoyment and benefit have been derived from a considerable number of field trips over the state. Such breeding establishments as F. R. Bain, Palms; Brant Ranch, Canoga Park; Adohr Farms, Reseda; Milbrae Farms, Milbrae; Rosemary Farms, Santa Maria; and the Hearst Ranch at San Simeon were visited during the year.

Our class has grown thirty-five percent since the beginning of the year. Members of the dairy class actually own more than twenty well-bred registered dairy cattle. Most of these will be shown at the fairs and milked while at school to help pay expenses. Later many of them will be taken home for the formation of foundation herds. In addition to the animals owned by the class, the school maintains a high-class, registered herd of ninety Jerseys, Guernseys and Holsteins. Many high records of production are made in a national test. The herd is federal accredited for tuberculosis and is free from abortion. Many of these animals have won show ring prizes.

At the California State Fair at Sacramento, 1932, the Dairy students exhibited six animals; Elliot Shohan won a first-prize on his Guernsey bull, second on a Holstein heifer, and a second place in showmanship. Robert Pearl took third and fourth place with his two Holstein heifers, and a Jersey bull took a third prize in the open competition. The class has high hopes for this show this year as they have a considerably greater number of animals of a higher quality.

The dairy department was represented at the Pacific Slope Dairy show by a judging team composed of Ray Hamilton, Leonard McLinn, Elliot Shohan, and Orville Spear. The team won second place in Ayrshires and Ray Hamilton won first place in the same breed.

However it is not all work and no play with the dairy class. An organization called the "Poly Dairy Club" has been organized and meets regularly once each month at which time some interesting speaker is invited to discuss some phase of the industry. Orville Spear was elected president, Bill Clegg vice-president, and Clifford Bjork secretary-treasurer. Group dinners and picnics have been very enjoyable occasions.

The dairy division took a leading place in the Poly Royal this year. Elliot Shohan won the grand championship in showing and fitting with a Guernsey bull. The dairy club sponsored a dairy cow butterfat production estimating contest, and also had a booth for the sale of milk nickles and other dairy commodities.
POULTRY DEPARTMENT

This year, the poultry department got under way with a fine group of students and about 2000 fowls in the permanent egg-production and meat-breed flocks. The various poultry breeds represented were the Single-Comb White Leghorns, Barred and White Plymouth Rocks, Buff Orpingtons, Rhode Island Reds, Black Minorcas and Black Australorps, which furnished a large field of study and project operation for the students.

From these birds, fine flock-mating breeding pens, two of which were trapnested, were made. Four pen mating breeding pens were also made. All the hatching eggs from the flock matings were easily sold to one of the nearby hatcheries, while the eggs from the pen matings furnished replacement stock for the school flocks. All the chicks hatched from the pen matings were wing-banded and pedigreed. There were about 1500 of these chicks which were divided into five projects. The students kept accurate records on each chick so that they could be used in determining the value of their parents as future breeders.

One outstanding feature of this year's poultry work was the absence of colds and other diseases. Through the interest in the flocks and their care by the students, hardly any diseases were encountered. All the birds were vaccinated against fowl pox and all the breeders were blood-tested for pullorum disease. The birds were treated from time to time for intestinal worms as well as external parasites such as lice and mites. The detailed and perpetual attention to sanitation was the most important item in the fight against disease.

A battery house and two fattening batteries, two laying batteries and a battery brooder were installed by the students during the year.

The poultry club was quite active this year in sponsoring several interesting field trips and played a leading part in the Poly Royal. An egg-laying contest was held in which the student project birds were placed in competition.

Several of the poultry club members went out to Farm Bureau meetings where they gave entertainments and educational talks about poultry.

The poultry department came to the front this year in the matter of giving prominence to its work throughout the state. As a result, many commercial hatchery men and representatives of equipment companies have visited the school plant, and advice has been greatly in demand throughout the state.

As an example, the head of the poultry department, Richard I. Leach, conducts a monthly page in one of the leading poultry journals, and includes in this page some of the activities of the Poly department, in addition to work being done by poultry project operators in vocational departments in many high schools throughout the state.

During the year, three students left school to take up permanent work. Sol Montrose was employed as assistant in the large poultry enterprise at the Rosemary Farms at Santa Maria, where he is doing a fine job. William Suttenfield and Leslie Vernon have gone into the poultry business for themselves.
The horticulture department was reorganized this year offering to the student a two-year course of complete training in the fields of landscaping, orchard management, greenhouse practice and truck crops. Field trips to surrounding areas provided additional opportunity to observe and to study methods of growing and handling field crops in extensive plantings. During the two-year course, the student keeps complete records of commercially-productive projects.

Instruction in landscaping included greenhouse practice, nursery practice, landscape practice on the grounds and buildings on the school campus, the laying out of the garden at the San Luis Obispo Mission, plant propagation and plant identification. The rebuilding of the glasshouses and the installation of an automatically-controlled steam heating system has made possible the raising of many young perennial and annual plants. The re-landscaping of the campus has been taken over by the horticulture department and the raising of the shrubs for this work has been greatly facilitated by the rebuilt glasshouses. A nursery plot has been established near the propagation house and several hundred trees and shrubs are already planted here to grow large enough to be set out around the buildings on the campus. A large cut-flower garden supplies all the school needs and is an object of beauty. Among the plants produced this year were approximately two thousand trees, five thousand shrubs, and eight hundred flats of annual and perennial flowering plants. Part of the plants were sold and the money turned into the project fund, some were planted on the campus.

On January 14 a field trip was made to Santa Barbara. This trip included the Gillespie Gardens, Blakesley’s Botanical Gardens, the Santa Barbara Court House, the Samarkand Hotel and several of the city parks. The purpose of this trip was to familiarize the students with good types of landscaping and the different kinds of trees, shrubs and flowers as to their foliage, type, soil requirements and various other characteristics.

Orchard management included pruning, thinning, grafting, budding, general orchard care and a study of the common deciduous fruit varieties, with practice on the school units. Instruction in truck crops included a study of vegetable varieties, growing, disease prevention and control. Field trips were taken to study methods of growing and handling truck crops and commercial seed raising.

Productive projects were carried on by the students, including the raising of one thousand Youngberry plants, three-fourths of an acre of Stone and Marglobe tomatoes grown up on stakes, one-fourth of an acre of Brussels Sprouts grown under overhead sprinkling system to combat insect pests, three-fourths of an acre of early sweet corn, two acres of stock beets and stock carrots and the growing of two hundred flats of young annual and perennial flowering plants. Several projects of raising trees for nursery work are also in progress.

Among the community activities were the drawing of plans for the restoring of a garden at the San Luis Obispo Mission and talks and demonstrations before Farm Center meetings.
INDUSTRY
DIVISION OF INDUSTRIAL EDUCATION

The division of industrial education under the direction of C. E. Knott, is divided into four major groups: aeronautics, drafting, electricity, and surveying. Related to these major subjects are machine shop, forging, welding, and science.

With R. E. Gilbert as coordinator it is the object of the industrial division to train men in each of the divisions and then place them in the actual field of industry. Mr. Gilbert travels throughout the state keeping the school in contact with manufacturing concerns, high schools and colleges. This is the newest feature of the school and is certainly a boon to the industrial division.

The aeronautics department under H. G. Warren and Martin E. Martinsen has this year progressed greatly by the completion of several complete overhauling jobs on planes. Several new motors and other equipment make this an aeronautics unit of which to be proud. The aeronautics department boasts a complete construction shop where ships have been constructed and scores repaired. Adjoining this shop is the aviation engine department capable of producing government licensed airplane engine mechanics. A great variety of engines, testing equipment, tools, woodworking devices for wing construction and a forge shop and welding equipment, make this an aeronautics department of which to be proud.

The drafting department is divided into two parts, architectural drafting with Louis Crawford as instructor, and mechanical drafting with J. B. Stout as instructor. These two courses are designed to give the students of this division a fine practical training in drafting. This unit is rapidly finding its place on the campus.

The electrical engineering division is one of the largest in the school. A complete laboratory and power plant constitute the opportunity for real experience. One hour each day is spent on the theory of electricity, its mathematical and scientific analysis, together with its problematical slide rule computation. Following closely on this is several hours of experimental and actual work in a large, well-equipped laboratory where motors, generators, switchboards, automatic control devices and all forms of electrical application, are located. Dr. G. W. Wilder is in charge of the classes on theory and J. J. Hyer follows closely with the actual laboratory application of the theory. This division has made a fine record.

The surveying group could not have a better field of practice than the 1400 acres of hilly land on which to make surveys. Under the direction of Walter Albrethsen, this course gives the extensive field work and then the drafting room version in a very complete fashion. The course is a very popular one.

The allied subjects, machine shop with James Cushingham, mathematics with Hope A. Jordan, science with A. P. Agosti and welding under Henry Figge, all help to make the industrial division of Polytechnic the largest division of the school, and offers courses popular and current throughout the United States.
The purpose of the aeronautics department is to give the students a well-rounded and complete course in airplane and airplane engine construction so that they can graduate from school and keep step with the aeronautical industry without the large change of conditions that is often present.

The California Polytechnic aeronautics department is the United States Department of Commerce Approved Repair Station No. 84. It is approved to repair welded steel tube structure, excluding fittings; wood structures, excluding box and laminated spars; fabric coverings, steel fittings and assembly.

The total enrollment in the aero department during the year reached 70 members, making it the largest single unit in the school.

Plenty of work was promised from the first. The Challenger Robin was already in for a major overhaul. A Travelair 2000 came in in October for a structural repair and recover job.

The experimental Kinner Taperwing, built by the school, went through certain changes of design to improve its landing conditions.

Later in the year, H. G. Warren's Waco entered the already busy shop for a complete recovering. After the fabric was removed, many minor details such as broken ribs, warped and twisted sections, showed up. This necessitated further repair.

Five new engines were added to the equipment this year, including two Navy Wasps and three brand-new experimental motors from the Army. A Continental A-70, a Kinner C-5 and a Wright J 6-5.

Several improvements were made about the shop throughout the year. The old test stands were strengthened and a propellor guard was added to the Liberty stand, while ladders, wind-breaks and instrument panels were added to all three of the stands.

The aeronautics department has another branch of work that is very essential to the proper training of airplane and engine mechanics. The aero drafting department with J. O. Ball as instructor, has two purposes in view. Whenever a change has been made in the design of an airplane, the change is drawn up in the drafting department and is blue-printed. One print is submitted to the department of commerce for a record of change made. The original is kept by the school for further reference and also as a permanent record of the change made.

The drafting is done entirely by the students of the aeronautics department under the same conditions and methods of the airplane factories. Mr. Ball keeps in very close contact with industrial methods and passes these points on to the students, giving an industrial atmosphere and the conditions that will be of great help to the students when they are placed on their first job.

The Cal Poly aeronautics department has always had an interesting exhibit at the state fair at Sacramento. Last year a Karikeen plane was shown in the educational building, flanked by a display of motor parts and propellors.
ELECTRICAL ENGINEERING DEPARTMENT

Even though the enrollment of the school dropped this year over last year, the electrical engineering department started the year of 1932-33 with more students registered than ever before. The return of most of the previous year's students, coupled with a large enrollment of new future electricians, enabled the department to enlarge its activities considerably.

The change in curricula and general policy of the school saw a corresponding change in this phase of the school's program. The new student is first given an opportunity to become acquainted with the fundamentals of the laboratory methods and given work sheets which help to direct him in the necessary essentials. After he has become sufficiently adept in the fundamentals, new projects are suggested by the instructor along the particular lines the student likes best. He is not limited to any set bit of formal experiment to go through, but is given a choice of several practical applications of electricity and is then free to pursue this particular field under the supervision and advice of the instructor. There is at all times a large supply of reference books, catalogs, up-to-date bulletins, charts and magazines available to assist the student in any of his undertakings.

Some of the phases of electricity the student may follow are: industrial control, with a study and practice of relays; protective devices, and control mechanism, armature winding and motor repair, wiring and communication.

The department is fortunate in having a modern, up-to-date laboratory with all the necessary equipment for experiments and for practicing the practical jobs that the student may encounter when through with school. This equipment consists of a number of motor-generator sets, converter, a large switchboard, test panels, armature winding and industrial control equipment, transformers, tools and tool machinery, and other equipment.

The school also has its own power plant, operated by either a large Diesel, a steam engine or a gas engine, from which the students can study the generation and distribution of power. Recently the students completed the rewiring and rearranging of circuits for the north side of the campus, including three of the main buildings.

Besides the practical work in the shop, the student acquires the necessary practice in the theory of electricity, both direct and alternating current, in the class room. The classroom work and the work in the shop is correlated so as to give the proper relation between theory and practice. Besides the classwork in electricity, there are also courses in mathematics, science and drafting available to round out a good course.

The electrical engineering department is housed in a modern stucco building, located near the power plant. A spacious lawn and newly-laid concrete sidewalk set the building off nicely.

The laboratory is under the supervision of J. J. Hyer and the classwork is taken care of by Dr. G. W. Wilder.
DRAFTING DEPARTMENT

The drafting work at the California Polytechnic school is divided into the mechanical drafting and architectural drafting divisions.

The student graduating from the mechanical drafting division is equipped to take his place in the industrial world, immediately becoming an economic asset to his employer as well as earning his own living in pleasant surroundings and interesting and challenging work. Furthermore, he has laid a foundation, broad and firm, on which he may build advancement in his chosen field.

First of all, the student learns the graphic language, which is the universal medium by which is conveyed the ideas conceived in the minds of designers and transmitted to workmen the world over. As a musician in any country can read the notes on the staff and execute them on his instrument, regardless of where the music was published, so an engineer in San Francisco or in Bombay instantly understands a drawing wherever it originated.

Our object, then, is to study this language so that we may write it, express ourselves clearly to one familiar with it, and may read it readily when written by another.

Mechanical drawing is not, as some suppose, merely the drawing of mechanical objects; but means all drawing done by the use of instruments. In Europe, mechanical drawing is called instrumental drawing, which term defines it more clearly. Mechanical drawing includes the drawing of any object for purposes of description, whether it is to be constructed or not.

The draftsman is a fundamental part of all construction projects; the layout for the work of the engineer, the mechanic and the builder has been planned on the drafting tables.

In the architectural drafting branch, thorough, practical training is given by contact with actual problems, solved under conditions that approximate regular office or construction procedure. Close cooperation between this division and architects, contractors and manufacturing plants of the state assures training along those lines that will provide for the placement of deserving students as rapidly as they qualify. It is not intended that these courses are not in any way the equivalent of university training in architecture or engineering; but instead, that they give opportunity to gain a practical knowledge that insures an earning capacity at the earliest possible moment.

All courses are based upon an ability to make and understand architectural drawing, with especial emphasis being placed upon the student's ability to do neat, rapid, intelligent work. Upon this foundation, the courses in estimating, superintendence, landscaping and draughting are developed. Class work in the simple engineering problems relating to buildings, is required of all.

Particular emphasis is placed upon good construction and the proper use of materials; the layout of the mechanical system and its influence upon construction is made a part of the course.
RELATED INDUSTRY SUBJECTS

In the division of industrial education, students are registered in surveying, machine shop, and welding, while these courses are also taught as subjects related to the major fields of aeronautics, electrical engineering, and drafting.

The surveying course this year has been a completion of the junior college work. Under the direction of Walter Albrethsen, the students have been given practical work in land survey, highway survey, mapping, and highway construction. For the second year students, special emphasis is placed upon the highway construction and surveying because of the broad field of placement in this line of work in California. The students, on the completion of the second year of the surveying and highway construction course are qualified to take civil service examinations to enter employment with the state, or to go to work with the contractor in highway construction. He has the necessary knowledge that he may work up to party chief in surveying or in construction work to an assistant to the superintendent or construction gang foreman. Since this is the first year of this course, there is no past history of placement, but the conditions look very favorable to successful placement for these students. Many of the electrical and drafting students take the elementary course in surveying as supplementary work to their main objective.

The main objective of the machine shop work this year has been to give the aeronautics and mechanical drafting students the necessary training in machine shop practice. The airplane engine mechanic is one of the highest types of mechanics in industry today. He must not only know airplane engines and their repair, but he must also know enough machine shop practice that he can make new parts where necessary. The shop is well equipped with the usual metal working tools such as lathes, shapers, milling machines, tool grinders, drill presses, and planers. A number of the electrical students have chosen work in this shop to assist them with their field of electrical work. There is a certain class of electrical work which might be classed as the electrical machinist. A number of electrical students have been placed in good jobs because they were able to do machine shop work along with their electrical work. There are a few students who have registered for machine shop work as their main objective. These few have a definite placement in view, and are preparing to go directly into a shop in their home town.

The welding work is conducted primarily for the benefit of the aeronautic students. The airplane mechanic must be a good welder since most of the modern airplanes have a welded steel fuselage and repairs to this requires an expert welder. All of the airplane mechanics must be proficient at welding. In addition to the airplane mechanics in welding, some of the mechanical drafting and electrical students have chosen work in this shop and there are a few students who are specializing in acetylene and electric welding.

The welding shop is a very valuable asset to the school as a whole, in addition to furnishing instruction to the students.
ORGANIZATIONS
LOEL KRAMER
Student Body President, First Semester, 1932-33

GEORGE HALVORSEN
Student Body President, Second Semester, 1932-33
The Student Affairs Council of the California Polytechnic is the representative governing group of the student body.

During the past year the method of representation has changed. The student members are now the president and vice-president of the student body, the yell-leader, one member of the Board of Athletic Control, the student representative of publications, and one representative for every twenty-five paid up members or major portion thereof from each organization recognized by the Student Affairs Council as entitled to send delegates to that body. The organizations thus represented at present are the Future Farmers of America, Poly Phase Club, Aeronautics Association, and the Mechanical Drafting Club. For the year 1932-33, the graduating class of the Junior College Division is allowed one representative. In addition, the two major departments of the institution, Agriculture and Industry, are each entitled to elect two members at large as additional members of the Student Affairs Council.

The Student Affairs Council has supervision over all types of student body activity not reserved for class or club organizations. It promotes social life on the campus, has general jurisdiction over athletics, dramatic and musical organizations, the students’ cooperative store, and any other activities which represent the interests of the students as a whole.


This year the staff of the El Rodeo faced the necessity of getting out an annual at the lowest possible cost, with the highest possible quality.

The first problem was the selection of members who had time to devote to the work. Fred Perozzi, who had had experience on the San Luis Obispo high school annual, was the unanimous choice for editor, and selected the other members of the staff. George P. Couper was named faculty advisor.

Owing to highly competitive bidding and greatly reduced prices, the staff was able to publish the annual at a lower figure than any for years.

The staff was fortunate in finding a real artist in Ernest Bertram, who had previously drawn for the Venice High school annual and Los Angeles newspapers. The color theme of the covers and the book division sheets was selected to honor the school colors.

Henry Dunning, last year's art editor, was selected as business manager. Herbert Enberg took over the difficult job of photography, lining up the group and individual pictures. Kent Miller took over the industrial education division and Robert Nevin the agricultural education division. William Troutner was in charge of organizations, Lou Wallace of sports, Lee Barker of junior college and high school seniors, and Phil Taylor of administration and school activities.

The staff celebrated the completion of their work with a "bust" which helped to make up for the long hours of work spent. In addition to those listed as staff members, almost every one in school pitched in to help make the annual a success.

The California Polytechnic Chapter of the Future Farmers of America is a unit of a national organization of boys studying vocational agriculture and is designed to recognize and encourage the natural instincts and tendencies of boys to form organizations to put enthusiasm and pleasure into their work and play.

The California Polytechnic chapter was organized and received its charter in September, 1932 and is the headquarters chapter of the 120 similar organizations in high schools throughout the state representing 6000 members. The headquarters chapter carries on a varied program, the purposes of which are to encourage its members to improve the quality of their work in agriculture; to create more interest in the intelligent choice of farming occupations; to create and nurture a love of country life; to provide recreational and educational entertainment; to afford a medium for co-operative buying and selling; to promote scholarship and to develop leadership.

These purposes have been carried out through an active program of work during the school year, the principal events of which have been a charter banquet, a fried chicken feed and theater party sponsored by the faculty, exhibiting at the various shows and fairs, attendance at State Future Farmer conventions, participation in Farm Bureau programs, regular bi-weekly meetings, and the Poly Royal or first annual agricultural show.

The officers for the year were as follows: Sol Montrose, president, first semester, who resigned to accept a position; Albert Adams, president, second semester; Lionel Middlecamp, vice-president; Ray O. Hamilton, secretary; Louis Tennant, treasurer; Edmond Jauch, historian; Charles Stone, reporter; Carl G. Beck, advisor.

The national Future Farmer motto is LEARNING TO DO; DOING TO LEARN. EARNING TO LIVE; LIVING TO SERVE.


Third row, Edward Clagg, Clifford Bjork, Masashi Eto, Fred Righetti, William Troutner, Kenneth Bogan, William Schneider, Lennis Norman, Milo Stevens, Masayoshi Maruyama, Rex Keenan, Robert Nevin, Charles Hagemeister.

Fourth row, Vard Shepard, Don Cox, Nicholas Marquart, Lloyd T. Baldwin, Richard Selma, Henry Franklin, Edson Tennant, Donna Schneider, Richard Reedy, Clifford Scott, Gerald Busch, Robert Pearl, Jean Hartzler.

The Poly Phase club, under the presidency of George Halvorsen, offered to the electrical engineers several delightful social events, coupled with a distinctive insight on the electrical industry. A delicious barbecue served within the environments of Reservoir canyon found the club a group of hearty eaters. Within a short time the club then took an extensive trip to Santa Maria where the electrical substation and its synchronous condenser were closely scrutinized. The members also enjoyed a swimming party at the Santa Maria plunge. Throughout the entire school year nearly every other Wednesday various club members gave interesting talks on diversified subjects as practice in the art of public speaking. As a final gesture of remembrance the club intends to leave a memorial bench to be placed in a convenient place in front of the electrical engineering building. Also along this endeavor three of the club members, one night in the fresh concrete of the newly poured cement sidewalks, placed a metal plaque which bore the inscription "Poly Phase Club '32."

Another and more extensive trip was made to Los Angeles, where about 20 of the club members visited large electrical concerns, radio stations and other schools and colleges. This trip included four days among the many factories, power plants and all types of electrical concerns.

The Poly Phase club boasts a large and active alumni group. Many of them have come back to the club meetings from their various points of employment, to give very interesting talks on the industry. Between 40 and 50 ex-club members are constantly keeping in touch with the club through our advisors, Dr. G. W. Wilder and J. J. Hyer.

Throughout the year a great many motion picture reels dealing with electricity and its allied subjects, were shown at club meetings.

Secretary-treasurer Harley Cox not once asked any member of the club for dues, yet the treasury was always amply filled, a worthy achievement for any organization. This was accomplished by the profits gained from the Poly Phase club's traveling bar in the Poly Royal show.

Faculty advisors Dr. G. W. Wilder and John Hyer brought to the club members several of their adventurous experiences in the electrical industry. It is to them we dedicate this section of El Rodeo, hoping it will help them remember the Poly Phase club of "32" and "33."

In the picture, from the left, front row, Roger Booth, Fred Perozzi, Carl Johnson, William Casper, Guy Jones, John Benich, Lester Ruben, Frank Barbaria, Floyd Bell, Vernon Lawrence, Robert Robinson.

Second row, Michael Lemucchi, Dr. G. W. Wilder, L. Patterson, Jack Reingpack, Ellison Smullen, Clifton Walck, Rector Miller, Elmer Holloway, Pablo Uribe, Edward Vermazen, Harley Cox, George Halvorsen, Fred Vejby.

The students of the California Polytechnic aero department have organized this club for the purpose of acquainting its members with the doings of the aeronautical industry and to keep contact with new aeronautical development.

The club began the year with fifty primarily interested in aeronautics as a basis of their life work. The club sponsors several social and educational functions for its members throughout the year. Among these were a trip to Reservoir canyon and a hangar dance that took place shortly after the Christmas holiday.

Mr. Ball's cabin at Cambria, "Where the Lofty Pines Meet the Ocean Blue," was the destination of a number of Aero club hunters and fishermen during a week-end in December. The sportsmen surely brought back the meat. An assembly program was put on by the Aero club, featuring a very interesting talk on the activities of the Pan-American Airways by Sig Varian, pilot for Pan-American and a former Poly student.

The annual Aero club trip took place during the Easter vacation, leaving Poly Sunday morning, April 9. The club journeyed first to San Diego where they spent the first night. The following Monday was spent at the Naval Air Station at North Island. The next two days were spent in Los Angeles visiting the Goodyear Tire company, Douglass Aircraft factory, Northrup, Lockheed, Grand Central Air terminal, Pacific Airmotive, Curtiss-Wright, Kinner Engine company and Cal Tech. After the trip the students returned to their homes for the finish of the vacation.

The club activities were wound up in the latter part of May by the annual Aero club banquet.

In the picture, front row, from the left, Wilfred Turrentine, Thomas Mumma, Delbert Chambers, Alan Matley, Alan Flack, John Martin, Orville Gardner, Charles Rogers, Fred Peterson, John Oliveras, Lou Wallace, Charles Martel, Herbert Enberg.


Third row, Harry Rice, Kenneth Bailey, George Anholm, Eyler Erickson, Joel Carlson, Leo Miner, Noel Bennett, Pierce Cisco, William Hanchett, James Campbell, Phillip Taylor, Richard Huntsinger.


Absent, Robert Beardslee, Stephen Pennington.
The Block "P" Club membership is limited to men who have won a letter in varsity competition in the various sports, namely: football, basketball, baseball and track. Men who have been head managers in one major sport and have assisted in another are eligible to associate membership.

The annual circus was dropped this year in favor of a theater presentation sponsored by the club. Proceeds of this show went into the Block "P" Sweater Fund, which is a fund for aiding in buying sweaters for new lettermen.

Several barbecues were given in Poly Grove during the course of the year for members of the football, baseball, and track teams. Speeches, music, and other forms of entertainment served to make the evenings complete.

Deviating somewhat from the old plan of having night meetings only, luncheon meetings were held every other week in the school cafeteria. The club was very fortunate in having excellent speakers at each of these meetings.

Due to the change in curriculum many of the old members were not with us this year, but new men made letters and joined the club, making it fully as strong as last year.

As set forth in their constitution, the Varsity club strives to create sportsmanship, sponsor training rules and interest students as well as others in the community, in athletic events of the California Polytechnic school.

During the Poly Royal show put on by the agriculture division, members of the Block "P" acted as guides and also worked at the desk of the reception committee in welcoming guests from the surrounding communities.

Several times during the year, the club was called upon to provide timers, checkers and judges for the track meets held on the Poly field.

Probably the last big event of the year is the Arroyo Seco trip where all neophytes are formally initiated into the Block "P."


The Band this year has made a most gratifying showing and has held up the enviable reputation made in former years. Although there are not quite so many in the band this year, it is composed of very good material.

The first showing the band made was at the annual homecoming. This was followed by giving an evening’s entertainment at the Winter Fiesta at the Catholic Auditorium, a musical at the Masonic Hall, playing at the Washington’s Bicentennial celebration at the Senior High School, and at several banquets and entertainments given in town.

The band has also been active in various services to the school such as at games and assemblies and also the “Poly Royal.” The officers of the band are, Merritt B. Smith, director; L. Miner, commanding officer; A. Hedrick, assistant captain; G. Anholm, first lieutenant; H. Rice, first lieutenant; B. Doscher, second lieutenant; A. Miller, second lieutenant; W. Sparman, first sergeant; G. Phillips, corporal.

In the picture, front row, from the left, Glenn Phillips, drum major; Guy Jones, Cecil Brown, Ted Watson, Donne Schneider, Taber Durfee, Stanley Cuendet, Webster Sparman, Andrew Hedrick, Merritt Smith, bandmaster.

Second row, Marion Smith, Gene Patterson, Jean Hartzler, James Bogert, Harry Rice, George Anholm, Oswald Thomson.

Third row, Roger Davis, Alfred Miller, Rex Keenan, Archie McBride, Leo Miner, Glen Roberts.
Continuing and extending the program of past years, the Poly Y has done creditable work this year. Beginning as a small group the Y built up its membership and made its program varied and interesting. Throughout the year residents of the campus have enjoyed the privilege of using the gymnasium on Friday and Saturday nights, made possible through the efforts of the Poly Y. Every Sunday morning the Y sponsored a chapel service in the social hall of the gym from 8:45 to 9:30.

The club's heartiest vote of thanks is given to C. Merle Waterman, tri-county executive Y secretary, for his faithful assistance in the promotion of the activities of the Poly Y.

Attendance at the Tri-County Y Conference for Older Boys, at Ventura, was the biggest event of the year for Y members. Some ten fellows enjoyed the trip and the fast-moving program of discussions and recreation there presented. These members came back from the conference with a great deal of pep and a high resolve to make the club's year, under the direction of Elmore Kenney, president; Bill Troutner, vice-president; and Phil Jensen, secretary-treasurer, finish the best of any in the past.

In the picture, front row, from the left, Loel Kramer, Phil Taylor, Alan Flack, Phil Jensen, William Schneider, Elmore Kenney.


CHASE HALL CLUB

OFFICERS

Henry Vervais ............... President
Frank Barbaria ........... Vice-president
Bill Mathews ............... Secy.-treasurer

Chase hall is the home of the J. C. Sophomores and was named in honor of Miss Margaret H. Chase, dean of the Junior College division, in recognition of her years of devotion to Junior College interests.

Capt. J. C. Deuel is with us again this year as our dormitory superintendent. A finer or more conscientious man could not be found.

The Chase Hall club organized in 1932 was reorganized this year. Through the social activities of the club the fellows have become more closely acquainted, and this makes dormitory life more enjoyable.

For the convenience of the club members a large lounging room, attractively furnished, gives an ideal place to spend leisure hours. Magazines, newspapers, a radio, and a piano give all the comforts of home.

This year Chase hall has the honor of having a student from China. We do not think the other dormitories can beat that record.

Chase seems to be the most musical dorm this year. The upper floor is devoted to vocal music, while the lower floor is given over to instrumental music. In leisure hours there is sometimes a contest to see which floor can produce the most volume, if not the most music.

A certain room in the dorm is the refuge of a Hill Billy trio. At various hours sad and heart-rending ballads of the West and Old South can be heard emerging from the transom.

Chase hall has furnished plenty of athletic material this year, with lettermen in football, basketball, track and baseball.

If Dale Zobel keeps playing his banjo long enough, he will either learn to play it or the rest of the hall will go crazy.

Ray Nelson and Bill Matthews never seem to be around the hall weekends. They have a diving helmet that they are using at Morro Bay but other times they go up to Palo Alto or Berkeley. Can it be another diving helmet?

Van Donaldson has decided to teach Vernon Lawrence to open doors before he walks through them.

Hank Vervais, when asked if he intended to step into his father's shoes as a peace officer, said that the shoes were too small, but he would follow his father's footsteps.

In the picture, from the left, first row, Eyler Ericksen, Herbert Enberg, Ray Nelson, Van Donaldson, Ralph Millett, Francis Hart.


Third row, Capt. J. C. Deuel, William Mathews, Vernon Lawrence, Sidney Smith, Henry Vervais, Kent Miller, Francis Panchott, Lee Barker.

Fourth row, Clifford Dill, Webster Sparman, Chao Shih, Baldwin Reinhold, Gilbert Dunnaway, Boyd Chrisman, Charles Eaton, Lester Ruben, Loring Jackson, Donald Cox, Frank Barbaria.

Absent, Luigi Feretti, James Stockdale, George Halvorsen.
At this time, the college freshmen are residing in Jespersen dormitory under the excellent supervision of Alfred P. Agosti, the school athletic coach.

Due to the lack of students this year, the club has not had such a large membership as in years before; nevertheless, it has participated in all of the activities of the year.

In the latter part of the year, the club held its annual Picnic at Pismo Beach, where many games and swimming events were enjoyed by the members.

The members looked forward anxiously to Hick Day, when the college freshmen tangled with the sophomores. With all freshmen in Jespersen dormitory, there was ample opportunity to "cook up" plans in advance.

Many of the members have participated in athletics through the year and have turned in some fine performances in all of the four major sports.

Jespersen Jottings: With an Auburn "Straight 8" and a magnetic personality, oh my, what a wreckage of broken hearts can be left behind! Beware of breach of promise suits, Mr. Gholson.

It is said that this Don Juan was quite the amorous romanticist, but our little Don Juan II has gone him one better in trying to prove that old sailor ditty, "If you can't be true to one or two, you're much better off with three." Ask Robert Robinson for full particulars.

Heigh-ho and a tally ho! What this young generation will do for recreation. Imagine spending a Sunday roaming around the country on one of those fire-spitting, corner-skidding velocipedes! Is it difficult to teach these young girls to ride tandem, Mr. Walck?

This John Benich, Jespersen's Lilliputian, is quite the man nevertheless. Five feet of squawk and chatter. Anyhow, he talked himself into a good berth on the Poly nine, which we notice some of these six-footers were trying awfully hard to get.

Our hearts are full for our comrade, Tom Mumma. She promised to be true, but she "done him dirt." Did you attend the wedding, Tom?

Have you fellows met the Sphinx? No? Well you'd better introduce yourself. There's a catch for you ladies—quite an eligible bachelor, this Philip Skidmore.

In the picture, front row, from the left, Floyd Bell, Kenneth Bailey, Charles Hagemeister, John Benich, Roger Davis, Tom Mumma, Stanley Cuendet, Lyman Ritter, Gerald Busch.


The Poly Heron Hall club is composed of all those students residing in Heron hall.

The main purpose of the club is to foster a feeling among residents of the dorm which will bring them into a closer relationship in their everyday life on the campus.

Heron hall is the home, during the school weeks, of the 21 boys who form the club, and since they must live together, it is desirable that they learn to know each other and to appreciate the action obtainable through group discussion. In this respect we are particularly fortunate in having for a dormitory superintendent Martin C. Martinsen, who is himself a graduate of the school. To him goes a large amount of thanks for his advice, help and suggestions during the year, which have made an otherwise hard year into a pleasant period of learning.

Many of the Poly Herons have contributed largely to a very successful athletic season. At least four or five received sweaters and letters for their efforts.

Instead of the usual Poly Heron dance, the entire club attended a swimming party where all had a pleasant time, as was vouched for by the rosy pink arms and necks on the day following.

Heron hall family life is kept cheerful by the combined efforts of the Mexican Toreadors, the Polish enchanter and Bob O'Hara's breath-taking death-bringing accordion. In addition to these there are numerous radios and "would-be warblers" such as Phil Taylor who serve to break our perfect peace and quiet.

Our pool table is graced with the presence of many would-be-famous pool players. Among them are the great Dude Hirsch, who strives earnestly to gain his place as the master pool player of the dorm. As the Dude bends over and prepares for a careful shot, none dares utter a sound.

Phil Jensen believes he has discovered the secret of the fountain of youth and is steadily working on his development.

Kenneth McDonald, our "Romeo," seems to have found some attraction which keeps him up in the air and out in the night.

Alan Flack is living in hopes that the N. B. C. will soon call on him. He has a few hours' experience as announcer.

Del Chambers has recently left our midst to look after the old men or the young nurses at the General Hospital.

In the picture, from the left, front row, Philip Jensen, Kenneth MacDonald, Arnold Thompson, Elliot Shohan.


DEUEL DORM

Deuel dormitory is the oldest dormitory on the campus. Although it was built in 1909 it does not lack in modern conveniences, there being two large showers in the dorm, one for each floor.

In the recreation room there are comfortable chairs, a fire-place, a billiard table, and a piano for the comfort and pleasure of the students.

Deuel dorm has a very pleasant appearance from the outside as it is surrounded by trees and shrubbery, and as it is situated on higher ground than the other dorms a greater view of the surrounding country is obtained.

This year the students of Deuel dorm have contributed much to the school both in athletics and in winning scholastic honors.

Mr. and Mrs. Walter Albrethsen were in charge of the dormitory this year, and through their efforts the students' routine has been made much easier.

Deuel Dorm ambitions:

Beardslee, Robert. “Bob” wants to be a big aviator. Maybe he will if he doesn’t try too much “70 per” on what he calls a motorcycle.

Berghuis, Edward. “Ed” wants to be a landscape gardener and he will if he stops thinking about “Dear Old Minnesota.”

Bertram, Ernest. “Ernie” has hopes of and is well on his way toward being a big cowman.

Campbell, James. “Jimmie” will some day be a big engineer if he doesn’t kill himself with a pool ball.

Chambers, Charles. “Chuck,” who certainly rates with the women, has hopes of being an aviator.

Clemente, Pedro. “Pete” will be a great aviator some day.

Cox, Harley. “Curley” is well on the path toward being a great electrician, if only that path stays away from baseball diamonds.

Davenport, William. “Bill” hopes to be a cow puncher, but wild ones get him down.

Jones, Bert. “Pee Wee” wants to be and is a sophisticated cowman.

Keenan, Rex. “Sheepherder” will fulfill his one ambition of raising sheep if he refrains from throwing the well-known “bull.”

Koch, Paul. “Baby” wants to learn everything. He says he can’t learn much because he knows so much already.

Lawrence, Ernest. “Tony” is on his way to raise cattle in South America. Maybe he will get there if he doesn’t ride with Dell too much.

In the picture, from the left, front row, Raphael Nunez, Bert Jones, Casimiro Pena, Paul Koch, Pedro Clemente, Charles Rogers, Guy Jones.


Third row, Edward Berghuis, Harley Cox, Clifford Scott, Stephen Pennington, Charles Chambers.

Absent, Rex Keenan, Ernest Lawrence, Lennis Norman, Richard Selma.
THE DRAFTING CLUB

OFFICERS

First Semester

F. Panchott .......................... President
H. Byrne ............................ Vice-president
M. Sween ............................ Secretary-treasurer

Second Semester

D. Baldwin .......................... President
H. Byrne ............................ Vice-president
M. Sween ............................ Secretary-treasurer

The Drafting club met every second Wednesday. Programs for these meetings were obtained through the courtesy of the Bureau of Mines, supplying picture films, through the Johns-Manville Co., and through members of the engineering department of the state division of highways.

Various activities were enjoyed by the members of the club this year. At the first of the year a talk on asbestos was given by a representative of the Johns-Manville Co. During the last quarter a series of talks were given on all phases of highway construction by engineers of the state division of highways. Motion pictures which were entertaining as well as instructive were shown at intervals. These pictures dealt with some phase of the work in which a student will be employed.

The club planned several excursions to various industrial plants. At least one trip is taken every year as part of the club program.

Aside from its own activities the club secured programs for clubs whose industrial interests were related to those of the club.

In the picture, from the left, front row, Winfield Kilmer, Larry Bowlus, Gilbert Dunnaway, Joe Rudolfa, Donald Macfarlane, Kenneth MacDonald, Francis Panchott.


Absent, Archer Johnson, Howard Byrne.
The year 1932-33 has been a successful one for Polytechnic teams in the "won and lost column" and also in the matter of sustained interest in each sport, right up to the last game in each season. Just the matter of winning or losing a game or an athletic contest however is the smallest return which we can receive. The mere winning of a letter does not in itself compensate for the many hours of hard work on the football field.

In football we were able to hold our own with a little to spare. Our losing to our near neighbor to the south will add a little spice to next year's encounter. At the same time, revenge was sweet in the case of our friends of over the mountain in Atascadero.

Our basketball team this year enjoyed a season which was really too successful and when Salinas defeated us for the championship it seemed to all of us that things could never be the same. We seem however to have recovered at the time of this writing and it may very well be that "many times we have to retreat to get ahead." At any rate our small but valiant team will be on hand next year—and experience is a good teacher. We certainly are ready for a new start.

With baseball progressing nicely under the able leadership of Captain Deuel, it seems quite possible that a Conference championship may come to us in this sport.

Track too brought a most successful year. Poly was able to win a triangular meet against Taft J. C. and Santa Maria two weeks ago, and yesterday defeated Salinas J. C. decisively in a dual meet on their oval. The big victory was the conference championship the first to be won by Poly this year.

Perhaps it would be best however to dedicate all of the above successes to that loyal band of Mustangs who have so faithfully played the game during the many hard weeks of each season.

A. P. AGOSTI
Signals — Ready — Hip — Crash!

The 1932 football season started off beneath September skies as 25 football men answered the call of Coach A. P. Agosti. Again this year, a great bunch of new material was out on the gridiron under the Orange and Green of Poly.

The first game of the season with Bakersfield J. C., played at Bakersfield, found a three-weeks-old squad trampled by a larger, faster, more experienced team. The score of 32 to 0 in favor of Bakersfield tells the tale of that first game of the season, played at night on a hard turf.

Next in line came the game with Santa Maria J. C., played here on Poly field. The first half of the game our team was able to lead the southerners. Then during the second half, a fumble was the break which gave the visitors the game 13 to 8.

The first win of the football season came at last and with a foe upon which Poly was seeking revenge—Moran J. C. The
team came down from Atascadero and the game was played on our own field. The indignant veterans on our team instilled the spirit to win into the entire team and as a consequence, Moran was crushed 28 to 0.

Homecoming Day soon arrived and our squad faced an old-time rival in Taft J. C. The Taft team was rankling over last year's defeat, and fought hard throughout. With the score 13 to 12 in our favor, Taft had the ball on the last play within 6 inches of the goal line. Trying a straight play through center, the ball carrier was thrown back and the game ended in our favor, helping to make the Homecoming celebration a success.

The following Saturday from out of the San Joaquin valley came the Fresno State College freshman squad, a new rival to the Poly Mustangs. With a formidable offensive and a new series of plays, the visitors mowed down the home team by a 20 to 0 score.

Traveling away for the next
game to Porterville J. C., in the absence of Coach Agosti who was ill, the squad lost the game by one touchdown, the tilt ending with a 19 to 13 score.

The seventh game of the season found the Mustangs determined to win, or lose by a close score. This time they traveled to Salinas, thoroughly outplayed the Salinas J. C., and came back with the long end of a 25 to 6 score, showing that the team could win when their spirit made their blood boil.

Santa Barbara State College freshmen furnished the last opposition of the season. The opponents ran into a stampede of mad, determined Mustangs and the Poly team romped off with a 20 to 0 victory.

A great portion of the outcome of this successful season was due to the bunch of scappy, hard-hitting, fair-fighting pigskinners. There were 17 men who earned their letters last fall. They are Henry Vervais, half; Bob Robinson, quarter; James Stockdale, half; Louis Tennant, half; Bill Hanchett,
full; Alan Flack, full; Lou Wallace, end; Mel Swearingen, end; Larry Bowlus, end; Cliff Bjork, tackle; Lionel Middlecamp, tackle; Gardner Smith, center; Pablo Uribe, guard; Dale Zobel, center; Ben Munoz, tackle; Albert Adams, guard, and Henry Dunning, manager.

Down in the hall of “Football Immortals” goes the names of those few men, whom, due to serious injury or lack of experience, were unable to earn the coveted football letter. Such men as Rios, Keenan, Berghuis, MacDonald, Defosset, Fielder, Dill, Pennington and Rogers comprise the list of eager, hard working men, to whom honorable mention is due. Kramer, first-string fullback, was forced to quit due to injury.

Many of these boys played their last game for our Alma Mater, nevermore to don the moleskins under Poly colors. They go forth to different corners of these United States, and may Lady Luck follow them wherever they go and in whatever they undertake or do.

If filled with the same indomitable spirit and fight which they portrayed on the gridiron, we feel sure that they will go far on the rocky road of success.

Well, Cal Poly varsity team, so long and don’t forget:

Fight ‘em, Mustangs, fight ‘em,
Fight ‘em fair, but fight ‘em square,
Fight ‘em, Mustangs, fight ‘em.
BASKETBALL

The Poly Mustang quintet under the able tutelage of Coach A. P. Agosti made its best record in many seasons this year by going into a tie for the league championship and only dropping the playoff game by a small score in overtime periods.

The Mustangs made their debut into the Central Coast conference by defeating the tall and rangy Moran squad at Moran. Poly also took the return game in fine fashion. The respective scores were 28 to 21 and 42 to 30.

The Mustang five then journeyed to Salinas for their second conference tilt. Poly took the first game of a series played with Salinas. The first game on their court proved to be fast and furious, ending with the Mustangs on the long end of the 30 to 20 score. This same team later proved to be the downfall of the Mustangs in their race for the C. C. C. championship. In the return game Salinas nosed out our team 29 to 23 in a game which took two overtime periods to decide. The last and final game was also won by Salinas in a heart-breaking last-minute spurt of crazy basket shooting by their basket-ringing forwards, Askew and Baumgartner.

The other conference games which the Polyites won were two with the rather weak Santa Maria five. Poly took two games with comparative ease 36 to 20 and 35 to 17.

Although the Poly squad did not win the conference championship, it will go down in our Alma Mater’s annals as the smallest and scrappiest bunch to ever take the floor of Crandall gymnasium. Out of a total of 17 games, Poly won fourteen and lost three, which alone establishes the fact
that the team was well out of the mediocre class. The Mustangs scored an aggregate of 501 points to their opponents' 407.

Probably the one factor which contributed itself to the making of this team was the fact that each man was a threat in himself as to the garnering of points. It takes a five-man shooting team to win games and Poly had such a bunch. Herb "Runt" Enberg, Ed "Joke" Jauch and Lou "Dump-shot" Wallace took the high-scoring honors, while Vandam, Rios and Vervais had exceptionally high scoring averages for the center and guard positions.

Those making letters this year for the first time were Leslie Rios, Edmond Jauch and Louis Tennant, while Enberg, Alan Vandam and Lou Wallace added a second stripe to a previous sweater. Due to the closeness of the majority of the games, few substitutions were made, thus accounting for the small number of lettermen.

Two of the members of this year's team have played their last game for Poly. They are Lou Wallace and Alan Vandam, forward and guard respectively. Both these boys graduate this year and we wish them luck.

The boys showed at numerous times during the season a fighting "never-die" spirit which goes to make a real team out of just five men. Action pictures, left-hand strip, from the top, show Jauch, forward; Rios, guard; Vandam, center; right-hand strip, Enberg, forward; Vervais, guard; Wallace, guard.
Due to the earliness of the season, the printing of El Rodeo finds the baseball team just getting started on its '33 session of "pounding the horsehide."

Under the stellar coaching of Capt. J. C. Deuel, the Poly nine is shaping into fine form. To date, the team has played a total of nine games, winning six, tying one and losing two, which make a fairly impressive average. The games in their order of occurrence were, San Luis Obispo high school, Atascadero, San Luis Obispo high, Paso Robles, Atascadero, Arroyo Grande, San Luis Obispo high, Taft J. C. and San Luis Obispo high.

The turnout this year was most satisfactory to Capt. Deuel. With a squad of 30 men of whom eight had had previous experience together, the outlook for a championship team is quite rosy.

Although there are no positions to date which have been cinched, the following men have been playing the respective positions on and off, with substitutions, as Coach Deuel saw fit:

Pitchers, Leslie Rios, John Oliveras, Lester Ruben; first base, William Casper, Pat Elliott; second base, Pablo Uribe, Lowell Cox, Alfred Gholson; third base, John Hurtt, Don Cox; shortstop, Henry Vervais; left field, Edwin Flory, Milo Stevens; right field, John Benich, Clifford Bjork; center field, Larry Bowlus, Imeo Hori; catcher, Bob Arthur, Clifton Walck.

In the picture, from the left, front row, John Oliveras, John Benich, Bob Arthur, William Casper, Pablo Uribe, Imeo Hori.


Third row, Stephen Pennington, Benjamin Munoz, Donald Cox, Lowell Cox, Ellis Wescott, Clifford Bjork, Capt. J. C. Deuel.
VARSITY TRACK

With practically all new men this year, Coach Alfred P. Agosti has turned out a championship squad.

Four meets have been held and Poly has come out on top each time. The first was a triangular meet between Poly, Taft and Santa Maria, and the points stood Poly 69, Taft 49 and Santa Maria J. C. 34. On April 1, we fooled Salinas J. C. by taking them 73-1-3 to 49-2-3 in a dual meet. In a dual meet with Santa Maria April 5, Poly again won, with the point score of 80 to 41.

Poly also took the conference meet at the local field on April 22 between Salinas, Santa Maria, Moran and Poly by a good margin. James Stockdale ran the century in 9.6 and was the big point winner.

Members of the squad and their positions are:

- Mile run, George Halvorsen, Howard York; half-mile, Bob Robinson;
- 440-yard run, Leo Miner, Larry Bowlus, James Stockdale; 220-yard run, Loring Jackson, Stockdale, Louis Tennant, Kenneth McDonald; 100-yard dash, Stockdale, Miner, Tennant.
- Broad jump, Francis Hart; shot put, Melvin Swearingen, William Owens, Edward Berghuis; pole vault, Joe Rudolfa; javelin, Clifton Walck; high and low hurdles, Hart, Lyman Ritter, Swearingen; high jump, Baldwin Reinhold, Oswald Thomson, William Hanchett.

In the picture, front row, from the left, Carl Johnson, Gardner Smith, Lyman Ritter, Ted Watson, Joe Rudolfa, Clifton Walck, Baldwin Reinhold, William Hanchett, Kenneth MacDonald.

SOCIAL CALENDAR

SEPT. 16, 1932

Polytechnic's social season opened with the big general reception and dance. New students were the guests of honor and were duly welcomed. The school colors, green and orange, were the motif of the decorations. An electrical display, which had been a feature at the state fair, was an added attraction of the evening. Dancing was enjoyed to the music of the Schwaefel dance ensemble, while light refreshments were served throughout the evening.

OCT. 22, 1932

Homecoming! Memories! Returning thoughts of bygone school days! All were present in the minds of the alumni who enjoyed the Homecoming Dance, the crowning event of that memorable day. After the Poly victory on the football field, and an excellent banquet, the old grads were ready to lose themselves in memories and dancing to the melodious strains of music furnished by Jimmy Sullivan's orchestra. The gym was excellently decorated in green and orange. Homecoming was truly a memorable occasion, well observed.

DEC. 15, 1932

A spirit of jollity ruled the night of the Christmas Party. Even old St. Nick himself was there to hand out, with much assistance, many presents to the good little boys and girls present. The decorations of the hall were most appropriate. The center of the room was taken up by an enormous Christmas tree, beautifully decorated and lighted. The rest of the room was done in red and green, lending that gay, sparkling Christmas atmosphere. Dancing was enjoyed to the music of the talented Varsitonians.

JAN. 14, 1933

The first club-sponsored dance of the year was put on by the Aero club. The aero shop was the scene of gala festivity with proper decorations, lights, and plenty of aeronautical atmosphere. Dancing was the main amusement of the evening, while specialties, such as "Pink Elephants," sung by G. P. Smith, added to the enjoyment of the evening. The musical atmosphere was most unique. Those present danced to the best orchestras in the country through the medium of phonographic recordings, broadcast over a public address amplifying system.

MAR. 3, 1933

Winding up a most successful basketball season, Poly feted the members of the basketball squad at an after-game dance. Following the spectacular but losing game with Salinas J. C., the vocally exhausted rooters danced to the rhythmic music of the Varsitonians. Although voices were not up to par, there was plenty of action and a good time was had by all.
SOCIAL CALENDAR

MARCH 31, 1933

One of the greatest products of a showman's hand was featured by the Agricultural Division in the form of the Poly Royal. The day was begun with a big stock parade. Stock judging continued throughout the day, and those in attendance at the show were given the privilege to inspect all the agricultural equipment and to view exhibits of farm projects. A well prepared barbecue, held in Poly grove, constituted the noon meal for campus residents and others. Climaxing the great day came the Poly Royal dance in Crandall gymnasium. The setting was perfect and the music, by the Paramount Dance orchestra, equally as good. All the events of the day and evening were well attended.

APRIL

Owing to the early date of printing of this book, plans for April, May and June are more or less tentative. There are, however, many social events definitely in view. May 19 will see the outcome of the great physical struggle for recognized mental superiority between the J. C. one's and the J. C. two's. This Hick Day battle is to be strictly private, but the rest of the school will look on, much interested as to the outcome. All feelings of antagonism will be allayed by the Hick Day dance in the evening.

MAY

A very busy month, especially for the graduates. Nevertheless the entire student body had a full schedule socially. May 1 was the date for the annual May Day festival. As in past years this fete was held at Atascadero Lake. Drama was not slighted this month either. May 12, a farcical comedy, "Mary's Ankle," was presented in the Crandall gymnasium. The annual Future Farmer Barn Dance is set for May 30. The Junior College dinner dance is set for May 26.

Sunday, May 29, is the date set for the combined graduate Baccalaureate Service. This service is always very impressive and helpful to those in attendance, and is a fitting close for the month of May.

JUNE 1—GRADUATION DAY

For those in Cal Poly this month will consist of only one day. Dr. and Crandall will be hosts to the combined graduating classes at the annual graduate breakfast. This promises to be a most delightful occasion for all those who will be privileged to attend. The graduates will put on their assembly at eleven o'clock and leave a last memory for the rest of the school to remember them by. The climax of this great day and year will come with the graduation ceremonies of the evening. The Crandall gymnasium will be the scene of this occasion, which will be the last and most meaningful of the year. Although the social program of the California Polytechnic school is not extensive, its quality makes up for its lack in quantity.
El Rodeo

Autographs
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