

# Elk Mustang

CALIFORNIA STATE POLYTECHNIC COLLEGE \*

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SAN LUIS OBISPO, CALIFORNIA

FRIDAY, FEBRUARY 4, 1949

## Aztec Seeks Seventh Straight

### Southern Quintet Favored In Second 2C2A Go-Round

Boasting a winning streak of six straight games, the San Diego State Aztecs invade the local high school courts this evening to face the Cal Poly Mustangs in what promises to be one of the top 2C2A shows of the year. Emerging from last week's up-hill battle against Br'er Bruin with new-found confidence, Coach Ed Jorgensen's quintet goes into tonight's tilt with all intentions of avenging an earlier conference defeat at the hands of the Aztecs.

Leading the scarlet and black tribe onto the local hardwoods tonight will be Tom Keesey, current CCAA scoring leader, Keesey, who holds down a starting forward berth on Coach George Ziegenfuss' five, has tanked 100 points in 14 tilts for a 11.1 average. Also bolstering the Aztec scoring punch will be Don Smith and Dick Barnes, standing second and third in the Aztec scoring punch column with 143 and 125 points respectively.

Hugh Harling, leather-lunged KVEC sports announcer, stated today that tonight's game will be carried live on KVEC-FM at eight p.m. as well as the regular re-broadcast on AM at 9:45.

A look at State's season record is more than enough proof that their being tabbed the team to beat in the 2C2A was no accident. Although their present season's work stands at the .500 mark with 9 won and 9 lost, the Aztecs should receive some kind of an award for pulling the biggest reverse of the year.

A Christmas holiday trip found the Aztecs losing six straight to mid-west foes such as Creighton, Bradley, and Heloit. Coach "Ziggy" Ziegenfuss then brought his boys home to see them lose two more in a row to Loyola University and San Jose State. But starting with their 55-48 conquest of the Mustangs last January 8, the Aztecs have rolled to six straight victories, five of which came in conference competition.

For the Aztecs tonight, it will be the much talked about Dick Barnes starting at the pivot position. Bill Hutchinson and Don Smith will be at the guard slots, with Tom Keesey and Don Nuttal at forwards. Strange as it may seem in this day and age of collegiate competition, four of the five starters call San Diego their home.

For the local cagers, it will be their chance of a lifetime to break the CCAA race wide open. A win over the highly touted southern invaders tonight would boost the Mustang's conference average onto

### Ahrendes Injured Slightly By Hit-Run Driver

Archie Ahrendes, post graduate OH student, was struck by a hit and run driver last Wednesday, Jan. 26, at approximately 8 p.m., when he was walking along California Blvd. on his way to an Alpha Phi Sigma fraternity meeting.

The accident occurred north of the Foothill Blvd. railway crossing. Archie had just left Glee club practice when it occurred. Archie estimated he was unconscious for a full 20 minutes.

"I remember a flash of headlights," Archie said, "and then everything went black. I must have fallen along side of the road. Anyway, I regained consciousness and continued over to the Alpha Phi Sigma meeting which was being held at McManus' place across the tracks."

Archie could not identify the car or driver. He said the driver probably intended to give him a lift but misjudged the distance and struck him. He believes the driver was momentarily panic-stricken and drove away.

X-rays were taken next morning. Harry Mellon, Alpha Phi member, said, and Archie was found to have a minor skull concussion.

Doctors recommended Archie remain in bed for 10 days.

the .500 level, and would leave them in an excellent position for their coming games with COP and San Jose next week.

But just what Coach Ed Jorgensen's clan can do against the defensive tactics of the State crew remains to be seen. In all 16 games this season the Aztecs have held their opponents to 48.8 points per game, and in their last game the Aztecs held the Santa Barbara Gauchos to a measly 31 counters. If Coach Ed Jorgensen can come up with the solution, however, tonight's tilt will undoubtedly turn into one of the season's best.

Opening for the Mustangs will

(Continued on page 4)

### Ignoring Traffic Citations Punishable By Law

Ninety-seven students have disregarded traffic citations which were issued on this campus by the security staff, it was reported by Ernest A. Steiner, campus security officer. This figure dates back to July 1, 1948.

When a student receives a citation, Steiner said, he is compelled by law to report to the justice court in Morro Bay. If the law is ignored, the judge presiding over the court must issue a warrant of arrest.

"It was rumored about the campus that persons with citations need not worry about them," the security officer said. "When this situation was made known to me, I sent letters to those concerned informing them of their responsibility. This was done as a courtesy to forestall the warrants. I was also authorized to collect the initial fine plus one dollar for failure to appear within the designated time. However, 12 of the 97 men did not answer and these letters with the warrants were returned to Morro Bay."

These warrants, Steiner continued, will be served to individuals concerned. If a student has checked out of school and left town, the warrant will be forwarded to his new residence.

Steiner also mentioned that students have been seen removing citations from automobiles on the campus. This, along with ignoring traffic citations, is punishable by law.

A number of citations have been destroyed, said Steiner, when men have brought citations to the security office with legitimate excuses.

### March of Dimes Contributions Can Stolen On Campus

A March of Dimes cannister was stolen from cafeteria number two last week, according to Alvin Noggles, manager of cafeteria. The money, an undetermined amount, was taken either Wednesday or Thursday.

"Apparently the guilty person doesn't realize the seriousness of this act," Noggles stated. The great movement supporting the March of Dimes was started by the late Franklin D. Roosevelt, a victim of polio himself. It has become one of the most successful charitable movements in our country."

Noggles expressed the hope that the "culprit" will have enough decency to return these funds or that his associates would find out about the act and take matters into "their own hands."

### Parker And Hansen Top Show Judges

Two California State Polytechnic college faculty members, Harry Parker and Elmer N. Hansen, are among the west's foremost livestock judging authorities who will judge animal exhibits at this year's Grand National Junior Livestock exposition, April 9 to 14, in the San Francisco Cow Palace, it was announced today.

Parker, Cal Poly animal husbandry instructor and owner of the Diamond ranch, near San Luis Obispo, will judge beef cattle classes; while Hansen, dairy husbandry and manufacturing instructor, will place dairy cattle.

Numerous San Luis Obispo county entries of FFA and 4-H club livestock are expected to go to this year's Junior National, it was learned.



INTERVIEW . . . John Harnack (right), recent SAE contest winner, and Fred Hawley, EL MUSTANG feature writer, discuss the high points of John's recent trip to Stanford, where the contest was held. The first prize consisted of a cash award plus a year's membership in the Society of Automotive Engineers. PHOTO BY ASKINS

## John Harnack, ME Major, Wins SAE Honors

By Fred Hawley

### Rent Increases Announced For Poly Vue

A two dollar raise in rent for residents of Poly Vue trailers will go into effect just as soon as proposed additions in electrical equipment can be installed, Bill Troutner, member of the faculty administrative group, said today.

This was not a hasty decision, Troutner added. It came following numerous meetings between a special student committee, composed of student residents of Poly Vue, and the faculty administrative group.

The additional equipment will boost the amperage for each trailer from 10 to 15 amps. This will alleviate the power shortage and permit the occupants to use electric heaters and other appliances which are causing power difficulties in the trailers at this time.

This raise is necessary to help cover the additional cost of power which will be consumed. The cost of gas, which many families now use for heating, will be eliminated. The two dollar increase will replace this student charge.

The question was asked: "Why will we pay the same rent all year around? We don't use as much electricity in the warm weather as we do in the cold weather."

"The increase in rent will not cover the cost of the maximum increase in power charges," Troutner explained. The P. G. and E. base their rates per kilowatt hour on the point of maximum demand. Any decrease in power consumed is not accompanied by a directly proportional decrease in price since the charge per kilowatt hour increases progressively with each decrease in kilowatt hour consumed.

"The unfortunate part is," Troutner stated, "that as trailers become older, operational costs and maintenance costs increase, while the accommodations tend to become poorer; however, after reviewing the operational costs and rent schedules, we feel that the rent is equal to, if not lower than, any other corresponding project of equal size and age."

Rents will be reviewed as necessary, and increases, or decreases, will be made to keep the project operating in the black."

Students who have questions or suggestions concerning the administration of Poly Vue trailers may consult Vernon Meschum, dean of student welfare, Henry House, or Troutner.

John Harnack, a senior student in mechanical engineering, won first prize at the Society of Automotive Engineers student meeting, held at Stanford University on Thursday, January 27th.

Subject papers were judged on three points: delivery, knowledge of the subject, and the facility with which extemporaneous questions were answered.

Harnack, competing against two other speakers, presented a paper on precision investment casting: its history, development, and probable future. The first prize was fifteen dollars in cash and a one-year membership in the SAE.

Precision investment casting is commonly referred to as the "Lost Wax Process." An exact replica of an item to be cast is made of wax, then is surrounded with a ceramic material. When this material hardens, the wax is melted out, leaving a precise, fine grained mold. The molten metal is then poured into the ceramic mold, allowed to harden, then broken out of the mold. The casting requires very little if any finishing.

Investment castings are becoming more widely used in the manufacture of intricately shaped parts used in high speed centrifugal equipment such as impellers and rotors, where dynamic balance is of extreme importance. Other manufactured items cited were

(Continued on page 8)

## We're Weary—But Still We Read It...

By Blessie

Bright, intelligent young men of Poly, do you read the six-day-a-week daily local newssheet? Thoroughly? Intensely?

Do you read each and every minute article?

Do your experiences as a "Joe College" arouse a craving thirst deep down in your fanfastans for worldly knowledge?

Do you read the column "My Man"?

This column is a little gem. A snappy five minutes of clarifying reading.

Margene, the pen name of the chicken who is slowly and definitely wearing herself away over these articles, apparently has a husband named Bill and two or three small children.

The gal, lucky thing, has a family all her own—the husband of the outfit seemingly a fair sort of a lad. Why does she insist upon everyone knowing it? Is she proud or something?

Bill, the poor yo-yo, comes home tired as the proverbial put whatever you like in here, flops in the chair, scans the local informant, and what does he find? All his intimate little homelife happenings leaping bodily out at him from a page of a daily paper with enough circulation to cause the short hairs to give up all together.

She apparently isn't content needling her solid provider within the walls of her abode and over the back fence each wash day. She has to rub it in the hard way. Gawd, everytime our frustrated husband turns around some sal hamburger is attempting to give him some first class inept advice. The only good advice for a guy in his shoes is to hop that damm boat that's taking so damm long to get to China that some damm fool wrote a song about!

I dunno, though, I guess it is bringing in a few sheekles a week. I think I will grab my "pipe and pea" and go dream up an angle.

## What's Doin'...

**Monday, February 7**  
6:30 p.m., Adm. 105  
International Relations club meeting  
7:30 p.m., Adm. 218  
S. L. O. Athletic assem.  
8 p.m., Hillcrest lounge  
C. P. W. C. Bridge section

**Tuesday, February 8**  
7 p.m., No. 1 Mess hall  
Collegiate F. F. A. banquet  
8 p.m., Hillcrest lounge  
C. P. W. C. Regular meeting

**Wednesday, February 9**  
4 p.m., Adm. 211  
Natural History club meeting  
7 p.m., Adm. 209  
World Affairs organization

**Thursday, February 10**  
7:30 p.m., Adm. 208  
S. L. O. County V. M. A. meeting and motion picture

**Friday, February 11**  
1:30 p.m., Adm. 209  
Calif. Holstein assem.



## Between Races...

With Walt Boehm

Our prime high-jump prospect this season is Doss "Grasshopper" Sims. Born 22 years ago in Kansas City, Mo., he came west and spent his prep career at McClymonds high school in Oakland. Here he earned two varsity letters in track. His specialties were the high hurdles and high jump.

After school graduation, the Army claimed Doss for a year and a half.

San Francisco city college was his choice after discharge. As a member of the track team in 1948, he set a new school record of 6 feet 8 inches for his concentrated effort. His best competitive effort in the high hurdles being a 15.2 sec. clocking registered at the Northern California junior college conference championships where he annexed second place.

Sims' best height was attained last year, at the national junior college meet at Phoenix, where he soared over the bar at 6' 4", to receive fourth place.

Because of his invaluable service to the basketball team, Doss will be a little slow in getting into shape, but nevertheless he will be a main cog in Coach Jensen's cinder season.

The weakest event on this year's team is the pole vault. There haven't been any prospects out at all... Sam Folgeman surprised everyone with his 41 foot effort in the shot. Sam weighs a mere 145 pounds. His specialty is the broad jump having a 23' 1/4" performance to his credit.

A feather footed lad named Don Edinger, up from Mount San Antonio J. C., will help carry the team in the sprints with his 10.1 performance. Don Vollers, S. F. Mission high's all city quarter miler in 1948, is making an attempt at a comeback... Bill Coffey, last year's first varsity man in the half mile, is putting in daily appearances on the oval... This year's CCAA Track and Field Championships are destined to be first rank on the coast. All conference teams are loaded this season... The "Meet of Meets" this season is at San Jose against the S. F. Olympic club and San Jose State. The boys are prepping for this one ardently. The official track and field schedule as released by Coach Jim Jensen is as follows:

Mar. 12—Inter squad meet  
Mar. 19—University of San Francisco—here tentative  
Mar. 26—Santa Barbara State—here  
April 2—San Jose State, S. F. Olympic club—San Jose  
April 9—Saint Mary's College—here  
April 23—Pomona College—here  
April 26—University of Santa Clara—here tentative  
May 7—CCAA conference meet—at Fresno  
May 14—Fresno Relays—Fresno  
May 22—California Relays—at Modesto  
June 4—Pacific association of AAU—Berkeley

## Olivet College Faculty For Hire

Attention American collegial! If you are dissatisfied with your present college president, you may be interested in the action of little Olivet college, confronted with the same problem.

Its entire college faculty, equipped with a student body and alumni, was offered for hire as a result of dissention following the arrival of their new president. The offer was made in a classified advertisement in the Lansing State Journal. It was paid for by Tucker P. Smith, one of seven instructors at the college recently dismissed or informed they would not be rehired.

The ad was headed, "College faculty for hire as a unit." Part of it read: "Prepared to offer balanced and advanced curriculum for small, liberal arts college. Substantial upper-class student body and alumni group wish to accompany to aid in transplanting unique educational tradition."

Olivet college is located in Olivet, Michigan. The century-old college has a coeducational student body of about 300 and some 35 faculty members.

Trouble at the college, which included a student strike last fall, followed the selection of an ex-radical as president and the inauguration of his various policies. He is Dr. Aubrey L. Ashby, former general counsel of NBC.

Objections to his asserted "high handedness" began when he fired T. Barton Akeley, sociology professor, and his wife, a librarian, shortly after he became president. Ashby gave no reason for the action, but outside sources said the Akeley's were accused of holding "ultra-liberal" views.

The figurative "straw that broke the camel's back" came about in December, when five more instructors were notified they would not be rehired next March.

## Aero Classes Begin Construction Work On P51 Aircraft

Marvin Haggberg, instructor in Aero Construction, has announced that the aero-structural classes are now engaged in the mechanical operations of aircraft. They are working on a North American P-51 Mustang located in the main hangar at this time.

The class is working on the adjustment of angular deflection of control surfaces, the hydraulics system, cable tension, the brake and wheel assemblies and the retractable landing gear.

"The class had quite a time setting up the wing jacks so we could get at the retractable landing gear, and hydraulics system," Haggberg said. "We have set up a portable hydraulics system to raise and lower the landing gear without starting the Mustang's engine," he explained.

Haggberg and his classes are planning on the study and mechanical operation of the FM-2 Wildcat after they complete their latest project.

## Razors Scrapped; Beards Stage Local Comeback

By De La Garza

### Radio Repair Depot Established By Electronics Men

Over 250 radios have been taken off the casualty list through student projects this school year, Gerald B. Peterson, electronics instructor, announced today.

Approximately \$1250 worth of work has been accomplished at the half-way point in the school year. Five dollars a radio has been found as the average cost of repair jobs done as projects.

Second year technical students have the task of doing all repair work. From a charge of \$1.50 for the first operation and 50 cents for each additional one, the student retains 60 per cent. He also receives the profit on all parts that must be used. The remaining 40 per cent of the service charge goes into a working fund.

Repair projects follow Cal Poly's policy of learning by doing. Students finance the work on their projects from the working fund. The fund is also used to keep equipment in repair and to make improvements when needed.

Sets owned by campus personnel provide the source for all project repair work. Each student guarantees his work in accordance with the policy of the electronics department. The department believes that doing every job correctly is an important factor for the students' future success, according to Clarence Radius, head of the department.

Louis S. Comyns, electronics student, reports that maintaining an adequate supply of parts has become a large job. As wholesale supplier of parts for the projects, Comyns orders hard-to-get parts and special factory replacements.

### Certificates of Eligibility To Be Changed By VA

Veterans holding unused certificates of eligibility for G. I. Bill education or training issued before Sept. 1, 1948 should exchange them immediately for a new type certificate. This may be done in person or by mail at any VA office.

The Veterans Administration is urging the exchange because of new registration technicalities to safeguard the interests of veterans and the government.

Since January 1, 1949, the extent of entitlement of each veteran enrolling with an old certificate must be verified by the VA before tuition and subsistence may be arranged. In verifying entitlement, the VA must assign each enrollee a claim number and set up the initial index for the veteran.

Exchanging old certificates before entering training will enable the VA to dispose of these actions well in advance. This will make possible more prompt and accurate service to the veteran after his training starts.

## Branch Of Poly Proposed At Mt. Shasta

Sacramento, Jan. 31—Establishment of a branch of the California Polytechnic school at Mt. Shasta is the purpose of a measure introduced here by Senator Randolph Collier of Yreka.

Collier said "there is a real need for a school of this type in northern California." He said studies made of the higher education opportunities by Stanford University graduate students confirmed the need.

His proposal would create the branch as a two year college. No degrees would be granted.

The measure carries an appropriation of \$500,000 to get the school started.

Senator Chris N. Jespersen of Atascadero, author of the measure which created the California Polytechnic school at San Luis Obispo, said he will support the Collier bill.

Similarly, Senator Edwin J. Regan of Weaverville announced he will support the measure in the interest of Shasta and Trinity county students desiring higher education.

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A Friendly Welcome  
To Faculty & Students

## Public Law 16 Men Must Contact VA

The local Veterans Administration office announced this week that there are still a few veterans at Poly under P. L. 16 who have not had an interview with their training officer this quarter. Since regulations require that such veterans have this interview, the local VA office has requested that all veterans comply at their earliest convenience.

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## ★ ★ CAL POLY CLUB NEWS ★ ★

### O.H. Club News

The theme "Floral Empire" was decided upon for the Horticulture club's flower show during Poly Royal, at the January 27 meeting of the Horticulture club.

The club voted in favor of two full pictures representing the departments in the 1949 issue of El Bodeo.

A four-man Poly Royal carnival committee has been formed with Jim Dixon, Wayne Bittinger, Gil Brown, and Hugh Houk as members. Details of the committee's job during Poly Royal will be announced later.

### Poly Phase Club

Poly Phase club members heard E. H. Hulse, district engineer for the Westinghouse Electric corporation, at the club's January 26 meeting. Hulse spoke about the work of electrical engineers, the different types of jobs they perform, and the necessity of fitting men to the jobs they are best suited for.

Tickets are being sold by Electrical Engineering majors on the green Ford, which the club is giving away at the Valentine dance, February 12.

### S.A.E.

George Coleman and John Shiffer, field representatives of the Electro Motive division of General Motors, spoke at the Society of Automotive Engineers meeting Wednesday, February 3. The fundamental operation of diesel locomotives and their equipment were described to club members. Coleman and Shiffer are operating instructors for the division of General Motors which manufactures diesel locomotives.

### Newman Club

The Newman club will meet Tuesday night at 7:30 p.m. in the mission hall for a discussion meeting. The time and a date of the forthcoming skating party will be announced at this meeting.

### Aero Club

Robert Needham, who has spent the last six years with several well-known aircraft companies, delivered a talk on "The Employment Opportunities in the Aircraft Industry." Interesting highlights included his work on the Parasite fighter and a short critique of the aeronautics curriculum presented at Poly, especially as compared to other schools. The employment picture presented by Needham seemed most encouraging.

After the talk, a business meeting was held to decide the date for a proposed beer-bust. Don Hatfield was put in charge of planning this long-looked-for event. Plans were also laid for the club's activities in Poly Royal.

### Young Farmers

A delegation from the Cal Poly chapter of the Young Farmers left for Fresno yesterday to attend the convention of the State Young Farmers Association held on February 3, 4, and 5.

Included in the group making the trip are Vince Hardy, president of the local chapter, Bud Lee, secretary, Robert F. Bowman, reporter, and Carl G. Beck, advisor. Harold Peck, a member of the Cal Poly chapter, is reporter of the state association and is also attending the convention.

During the three-day meet, Bowman will extend an invitation to the state association to hold its 1950 convention at Cal Poly.

### Stamp Collectors

A meeting of all stamp collectors will be held in Adm. 16 Tuesday, February 8, 4 p.m. Plans for organizing a Cal Poly stamp collectors club will be discussed at that time. The printing of first day covers for Poly Royal has been proposed. All Poly students and student wives interested in stamp collecting have been invited to join.

### Green Thumb Show Interviews Howes

Wilbur Howes, ornamental horticulture department head, was interviewed last Tuesday evening on a new radio program produced by two Poly students, Ed McEvoy and Gary Endo, horticulture students, started the program called the "Green Thumb" show, two weeks ago. It is broadcast over KPIK Tuesdays at 7 p.m.

A feature of the program is the "name a plant, win a plant" contest, McEvoy stated. A plant is described over the air, and the first person phoning in the correct name wins a plant.

In addition, the 15 minute show features interviews with local garden enthusiasts, garden tips, and music. Scripts are written by both McEvoy and Endo. "We plan to continue the 'Green Thumb' program at least until summer," McEvoy stated.

### German Ads For Mates Successful

Outnumbering men two to one, German girls certainly do not follow Emily Post's regulations in getting their man, according to recent advertisements seen in Frankfurt, Germany.

Blunt "man wanted" advertisements appear on large city billboards which take the place of American newspaper want ads. These very frank ads are new and rapidly becoming popular. However, they usually make no mention of marriage.

For example: "I am alone. Good-looking and well-shaped 25-year-old girl wants to spend evenings with man not older than 30. Have own apartment."

Or: "Twenty-three year old girl, blonde, medium-sized, blue-eyed, wants to spend weekends with wealthy businessman. Please forward offers to X."

The men do some advertising of their own. An example: "Fifty-one year old businessman (looking much younger) traveling to Bavarian resort soon. Where is the good-looking girl, not older than 28, who wants to accompany me?"

More than 9,000,000 World War II veterans applied for education and training under the GI Bill and Public Law 16 since the two laws went into effect in June, 1944, and March, 1948, respectively.

### Campus Skiers Weekend At Yosemite Valley

Twenty-one members of the Cal Poly Ski club made a trip to Badger Pass, Yosemite, last weekend. It was reported by Ed Littman, club reporter.

Skiing conditions were said to be excellent for experienced skiers. Donstam lift provided transportation to some of the higher slopes for cross-country skiing. Beginning skiers were provided with tow ropes fixed to sloping hills in order that they might learn proper balance while the sport's hazards were minimized.

The biggest skiing crowd of the season was reported at Yosemite valley. Ski teams from Stanford, California, Fresno, Santa Clara, UCLA and San Jose were represented along with Cal Poly. Aaron Abrahamson and Toulis Norheim joined a group of Cal skiers to tour the Yosemite back country.

"The cold nights made the fellows appreciate their warm dormitories at the campus," Littman said. "No casualties were reported among club members; Robin Baldwin, Poly student, suffered a knee injury, however."

Littman further stated that a return trip is scheduled in two weeks.

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SURE CONVINCED ME—NOW  
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SMOKER FROM WAY  
BACK. I KNOW CAMELS  
ARE MILD. AND  
CAMELS SURE HAVE  
THE FLAVOR!

Vaughn Monroe talks it over with one of his lovely Moon Maids, June Hiett. Hear them on the Camel Caravan...Saturday nights...CBS.





## Meet The Frosh

by Doug Sims

The Cal Poly Colts have been playing some very good games this season and we feel you readers should know who composes your mighty frosh squad.

First on the list of introduction is Bruce Tuley, known by his team mates as "Tooley-tooley." Bruce, who is 21 years old and stands 6'11" calls Paso Robles his home. He played forward on the Almond city high school team and was named on the all-southern CIF third team. Coach Bob Steele, who made a guard out of the former Paso High star, states that Bruce is a real competitor and the frosh mentor expects great things of Bruce before his graduation to the varsity. "Tuley" is majoring in A. E.

Next on the list is Ray Carricaburu, nicknamed, "Cae." Ray, an 18 year old, 5'9", Los Olivos, he played high school ball at Santa Ynes where he was named captain of the local high school team for two years. Ray, who is majoring in A. H., gets quite a kick out of playing on the frosh team and shows it by consistently being one of the hardest workers on the squad.

Ray Marnach is third on this week's list. Ray, who calls Watsonville his home, is 21 years old, 6'1" and has played both guard and center for Coach Steele's frosh. Marnach has one of the best high school records on the team behind him. Besides playing all three years of varsity eligibility with Watsonville high, Ray gained a berth on the All Coast Counties Athletic League team in 1945. Ray is a good man to have on the team. He makes the other fellows work hard. Ray, a freshman, is majoring in air conditioning.

Last, but not least on this week's list, is one of the better prospects on the Colts squad, Clayton Agadoni. Agadoni, a 19 year old, 5'10" Patterson, California product, plays forward on the Colt quintet this season. While attending Patterson high school, Agadoni was elected team captain during the 1946-47 year and was also named the outstanding Gustine tournament player in 1947. Agadoni has made a hit with Coach Steele by preferring to feed the big scoring aces instead of shooting himself. Agadoni is majoring in M. E.

The above is just four members of the Colt squad; four more will follow in the next edition of El Mustang.

## Bruins, Waves Gang Up To Slaughter Mustang

What was pretty safely tabbed to be the Mustang's roughest weekend of the season turned out to be just that as Coach Ed Jorgensen's green and gold quintet fell to the Pepperdine Waves 37-54 Saturday night after dropping a hard fought 46-68 thriller to the UCLA Bruins on the preceding evening.

Although coming out 22 points on the short end of things Friday night, the Polymen played what was undoubtedly their most inspired game of the year. Battling the bottled up Bruins all the way, the Mustangs were playing with their hearts on the outside of their green jerseys as they finished the first half with a 25-24 lead over the UCLA crew.

The Westwood coaching staff wasn't the only one surprised at what it ran into during Friday evening's tilt. Bruin scoring star Chuck Cluska thought he had a dozen men guarding him, and they were all wearing numerals 18. But Hank Moroski was only one of the outstanding Mustangs on the floor—they all played sensational ball. Jim Ellis, Frank Ross, Jack McMurdie, and Doug Sims were all defensive terrors on the backboard control work. Besides his defensive assignments, Ellis showed his best shooting form of the season as he tanked 11 points from his pivot position. Paul Simpson also looked pretty sharp in the Mustang offensive game.

The Poly quintet threw the fear of Hank Luisetti into the Westwood clan when they rolled to a 38-28 lead with but 15 minutes left in the game. But then and there the beams of the Westwood gymnasium seemed to split and before the Mustangs realized it, the walls came tumbling down. Just exactly what did happen to cause the confusion, not even Coach Ed Jorgensen could solve, but in less than four minutes the Bruins had tallied 17 points to take a 45-33 margin. The local five made one more bid late in the game, but it all went to naught when Hank Moroski committed his fifth foul and a host of substitutes came in to watch the score

jump to a final 68-46 count, Bruin favor.

High point man for the evening was guard Ron Pearson of UCLA with 15, closely followed by Moroski who tallied 14. Other Poly scores were Jim Ellis with 11; Frank Ross with 8; Bob Coglian 5; and Doug Sims and Paul Simpson both with 4.

As for Saturday night it was just too much Pepperdine and not enough rest for Coach Ed Jorgensen and company. The Mustangs were still a little tired from their previous night's work and the Waves were the first to find it out. Completely controlling both backboards, Coach Ducky Dowell's striped wonders ran over, around and under the invading quintet.

Leading the Mustang scoring for the second straight night was Hank Moroski with 14.

## Cal Poly Wrestlers Defeat San Jose

Two former San Jose prep wrestling stars aided the Cal Poly Mustangs last night to defeat a strong San Jose State college mat team, 18 to 16, before 1000 fans in Poly gymnasium.

Al Cadena, former San Jose high star and now wrestling for Poly at 175 pounds, pulled the upset of the night when he defeated Spartan Captain Pat Felice to put Poly ahead 15 to 13 in a tip and tuck encounter. Jack Darling, Poly's 191 pounder, put the meet on ice for the Mustangs when he defeated Spartan Phil Ray.

Bob Thomson, another San Jose prep star, was the hero of the night although he lost. Thomson, outweighed by 60 pounds by San Jose's Keith Wilson put up a terrific battle but lost a decision, 11 to 10.

In keeping Wilson from winning by a fall, Thomson put the edge of victory for the Mustangs. If the San Jose heavyweight had won by a pin the meet would have been a draw, but when winning only by a decision, it meant only three points for San Jose and the margin of victory for the Mustangs.

Waber Lawson, 155 pounder for Poly, kept his undefeated record, when he pinned the previously undefeated Spartan Ben Ichikawa. Flashy Jim Dowe, 155 pounds, added another five points for the Mustangs, when he won by default over Spartan Lee Jordan. Jordan was injured during the bout.

The summary:  
121—Dick Hutchison (CP) and Bill Rothwell (SJ)—draw.  
125—Waber Lawson (CP) pinned Ben Ichikawa (SJ)—8:25.  
130—John Jackson (SJ) pinned Don Montgomery (CP)—4:20.  
140—Howard Tillotson (CP)—10:9.  
155—Jim Dowe (CP) won over Lee Jordan (SJ)—default due to injury to Jordan.  
165—Frank Waxham (SJ) dec.

Fred Adams (CP)—3-1.  
175—Al Cadena (CP) dec. Pat Felice (SJ)—8-7.  
191—Jack Darling (CP) dec. Phil Ray (SJ) 4-0.  
R.W.—Keith Wilson (SJ) dec. Bob Thomson (CP)—14-10.

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# Hoof- Prints...

BY PYLE

Griever, Griever, Ed McKeever, Had a job but did not keep 'er. Quit old USF where he was doing well.

Lost out with the pros, 1-13 records tell.

The moral of the preceding poem, gents, is to never scratch on the eight ball.

Yes, just about a year ago, after riding his last race in the green and gold colors of USF, grid jockey Ed McKeever committed a club house foul which will more than likely bar him from ever holding another collegiate coaching post again. McKeever's parting shot at the Don athletic administration has now lowered itself to the whispering stages among the good fathers of the Hilltop institute. But one group of loyal tax payers who won't forget the whole thing so quickly are USF's opponents.

But smiling Ed wasn't too worried about USF's future or its opponents when he took leave of the coast last winter. He had a big pro coaching job with the Chicago Rockets calling for a three year pact at more peanuts than the Brookfield park could consume in a busy month's business. Ed was headed for great things when he cleared out his desk and threw USF's athletic files open to the public—besides, he thought it about time for someone to let the kitty out of the black bag marked "Property of USF athletic department." But had the cat turned out to be a genuine striped stinker, it couldn't have raised more of a smelt than McKeever's parting actions did. USF's complete booking for the 1948 season was placed in jeopardy because of the claim filed against their eligibility code by the parting grid mentor.

Now let's take a look at the "coach without a team" just 730 spins of the Gruen later. The All-American conference Rockets have bought up his contract which still has two years to run. Main reason for Ed's dismissal seems to be the fact that he won only one, while losing 13 this season. I wonder what he will have to say about the Windy City set-up before he takes his leave. Or maybe he has learned his lesson. Not much remains to be said on our game with UCLA Friday night. Sam Berry said it, Coach John Wooden said it, Coach Ed Jorgensen said it, Hugh Harling said it, and even Bob Bander said it, so I doubt that our humble opinion would make a hell of a lot of difference. It was a great game though, and the only thing we regret is that they count both halves. A couple of more games like that and they might include us in the Sunday edition of the Times.

While we're on the subject, we might as well take a look at tonight's feature event at the local high school gym. Should be a great game, with San Diego now riding on the crest of a five game winning

## Records Falter Before Aquans Mass Assault

By Jim Larsen

A meet with Fullerton JC on March 10 will open the season for Cal Poly's mermen. So far home meets have been scheduled with Davis, College of Pacific, Fresno, and San Jose. There will be a meet with Santa Clara and possibly San Francisco State.

The team is improving with each weeks practice and should be in top form about the time the opening meet takes place.

Bob Frye again bettered the 75 yard free style taking one tenth of a second off his own record of 41:6. Roy Dang bettered the 50 yard free style record during a relay race when he swam it in 25:3. However, the record remains 25:6, but Roy has hopes of making it read 25 seconds flat. Jack Session again showed his ability by doing the 75 yard breast stroke in 49:3.

streak. Five conference games that is. They've taken time out to beat Pepperdine on the side. With the usual precautionary action, we'll predict the game to go eight points one way or 'tother hoping the locals will be in top form. If not—who knows?

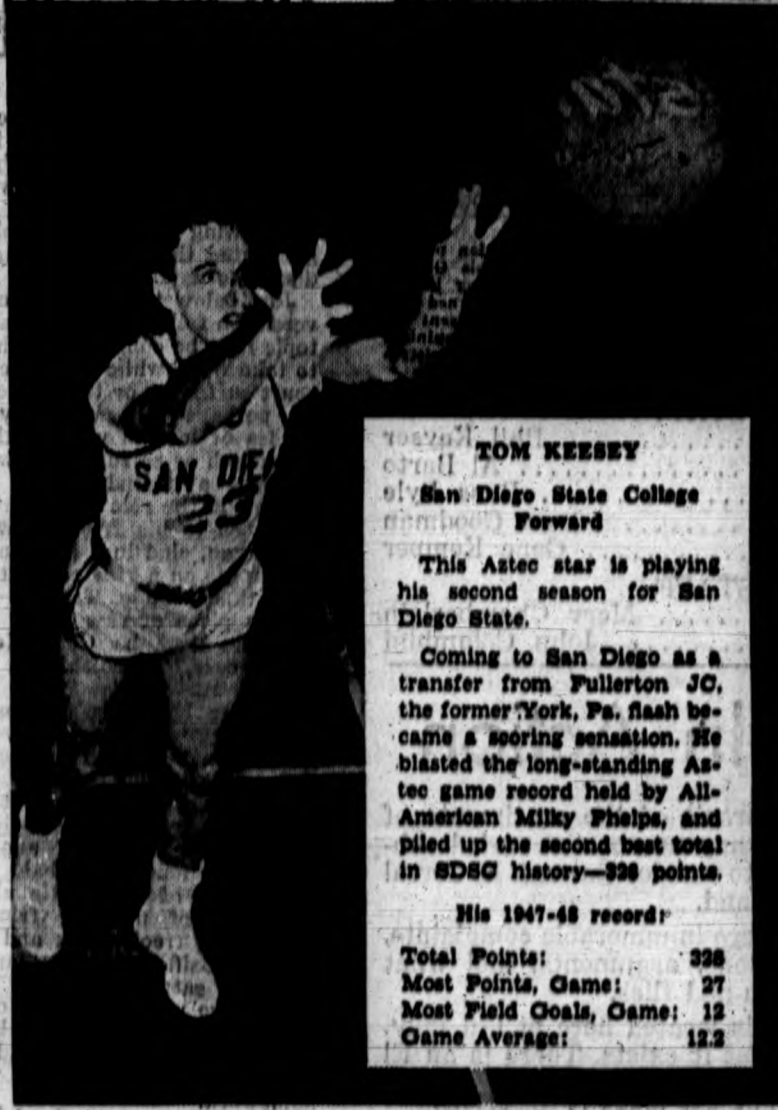
The Poly grapplers did it again Friday night in the local gym, and had they nailed Georgeous George, the Mustang followers would have felt no better. Coach Shelden Harden has done a great job keeping his men in shape, while Doc Perry has done next to an impossible job in showing the men the tricks of the trade. The team will travel to Stanford this Friday night for a go at the Indian matmen. Unless the Cards slip in a "mickie" it should be the fourth straight for the Mustang maulers.

Looking through an Oakland high school paper we ran across two familiar names: Sims and Wainright. Seems both of the local Mustangs have brothers who are now attending McClymonds high school in Oakland. Thought we were way ahead of the pack until Coach Ed informed us that the younger Sims has already been shown around the Poly campus. It's getting tough to keep up with the athletic department.

Missed a chance to meet BYU next September 4 because of a conflicting pact with the Fresno State Bulldogs. It's been rumored around the Crandall office, where most rumors start and end, that the Poly football schedule for 1949 will be released in the near future. As for myself, I would just as soon get a look at the starting line-up before I see the schedule. One might ease the shock of the other.

Following quip comes via the kindness of the Times green sheet specialist B. Dyer. "Charles Elliot of South Pasadena observes that the Bruins have gone all out in support of the free substitution rule—even to the extent of changing coaches by platoons." But what do you expect on a sport's writers salary.

It isn't the girl that goes out riding we would like to meet, but the girl that comes back riding.



TOM KEESY

San Diego State College  
Forward

This Astec star is playing his second season for San Diego State.

Coming to San Diego as a transfer from Fullerton JC, the former York, Pa. flash became a scoring sensation. He blasted the long-standing Astec game record held by All-American Milky Phelps, and piled up the second best total in SDCS history—338 points.

His 1947-48 record:

Total Points:	338
Most Points, Game:	27
Most Field Goals, Game:	12
Game Average:	12.3

## Mittmen Answer Bell Against San Francisco Saturday Night

The Cal Poly boxing team will open its 1949 home schedule Saturday night when the Mustangs host San Francisco State college in Poly gymnasium. The meet will start at 8 p.m.

Coach Charles Pavelko's team, with a record of one loss and one draw, will meet a rough but green San Francisco aggregation. The Mustang ringmen lost to UCLA in the first meet of the year, 5½ to 1½, and drew with Stanford 5 to 5.

Heading the Cal Poly-punchers will be Art Gugliemelli, 125 pounder, who is undefeated so far this year.

Gugliemelli, California Athletic Association champ in 1947, earned a draw against a UCLA opponent and won by a TKO at Stanford. The Mustang 125 pounder will face the Far West Conference Champion, Sal Soleno. Soleno won the title last year.

San Francisco lost last week to a strong San Jose State team, 8 to 0.

The number of applications for veterans' GI loans dropped to 24,602 during November, 1948—the smallest monthly total since January, 1946, Veterans Administration said.

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## Sports Seating Capacity Increases 6,000

The seating capacity for campus sports followers has been increased from 4500 to 10,500—an increase of 6000 seats over last year. A total cost of \$135,000 has been expended for the new seats, according to Vernon H. Mescham, dean of student welfare.

Included in the bleacher additions are the new baseball seats numbering approximately 900. The completed steel football bleachers will seat an estimated 4000 persons; this space is augmented by two 80 foot extensions on the west side of the field, each section seating 200. These additions, plus the old bleachers, will total a football seating capacity of 7400.

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## Democracy In Action

If one should ever be in pursuit of the sentiments of Poly students on a particular or any number of varied subjects, the best approach would be to wander through El Corral with ears cleared and pencil in hand.

So, El Corral is the place where innumerable complaints, grievances, agreements, discussions, arguments, and what have you, mingle with the smoke and files.

El Corral, as you all know, is located here at Cal Poly. But it is not just at Cal Poly that it exists. There is an El Corral in every college throughout the world. They are all the same as far as discussion, but not what is discussed.

In the United States, Joe Blow insists Harry Truman is one of our greatest presidents, while George Doakes thinks Gravel Gertie could do better. Some will agree, others disagree, while many are not concerned. In many foreign countries, it is at the risk of imprisonment or even death that students belittle the reigning politician.

An so, amid the smoke and files, innumerable topics are tossed about in El Corral throughout the nation. How many realize they are enjoying a privilege and not killing leisure time? We don't know.

—A.D.B.

## Stepping Stones

We hear a lot of talk about why we go to college and what we want out of life. Most people seem to expect you to want to be a great success in your field, to make lots of money and be recognized as the leading man on some subject.

High goals like that are fine things to have, but they're hard things to realize. They make life and work just one mad rat-race; they don't seem to be functional. In fact, these high goals seem so far away they scare the average man.

Therefore, building your life on a series of smaller goals seems to be a better viewpoint for actual use. There was a story printed some time ago which seems to express this point of view in a fair style.

It seems a couple of friends met in downtown New York, around 42 St. They got to talking and one fellow invited the other up to his house for dinner. The host suggested that they walk up to his place. His guest was against this because his friend lived way up on 167 St. "That's too far to walk."

"It isn't so far," his friend replied, "anyway, I'd like to stop at an art gallery on 65 St. to look over a new showing."

The friends walked up to the art showing and, after a short visit, decided to walk over to another gallery on 80 St. They stayed here for a short time also. At this point the host suggested that they walk over to 105 St. to the gun-smiths where the host had his gun being re-blued. They went up and got the rifle. Then walked to 127 St. to see if any new rifles had come into a gun shop on that street. From here they walked to a grocery on 152 St. to pick up some liquor to go with the evening meal. From there it was only a few minutes walk to the host's home. The guest hardly remembered the long walk all the way up town.

—D.W.G

## THE WAY I SEE IT...

By Linstrand

My friend Rupert, while in a philosophical mood, once described to me his impression of the type of conversation that might be followed while a bottle of wobble water was being emptied by two carousers.

Allowing his mind complete freedom, Rupert graduated the bottle of spirits and the probable discourse as follows:

Just below the shoulder of the bottle the conversation follows a serious and coherent vein. The topic may be concerned with making the decision to take worthwhile college courses such as tennis court surfacing or the elements of back slapping. Or perhaps the possibility of an invasion by hordes of locusts will be discussed.

An inch or so further down, one of the tipplers becomes a second Walter Mitty and imagines himself in the role of his favorite movie hero. He describes to his friend how he pictures himself as Tarsan, clad in a loin cloth, swinging through the jungle on a vine rope. It may be necessary to lure this pseudo Tarsan from the chandeller with a piece of raw meat.

Or he may be Gene Kelley in "The Three Musketeers," brandishing a sword and skewering the villain.

As the bottle is emptied two inches more, thoughts of unsuccessful love affairs are released. At this point the two parties concerned agree that they will push all thoughts of women from their minds and attempt to forget their scorned love by selling bathtubs in the Belgian Congo.

The consumption of another inch is characterized by loud and ribald drinking songs. This graduation of the bottle also brings about declarations of undying friendship. Compliments are passed freely back and forth. This is sometimes classified as the "buddy-buddy" stage of alcoholic saturation.

Next we reach the level of deep remorse. This stage is characterized by both revelers making loud promises that they lead virtuous lives. "Just one more drink and then we'll both finish our homework."

At the bottom of the bottle, difficulty is encountered in describing the conversation. It might, however, be similar to the incoherent babblings of a record played backwards.

## Letters To The Editor

Dear Editor,

Since we are responsible for the opening of El Corral, we feel that John Fudalla's letter last week was directed at us.

True El Corral is not scheduled to open till 8:00 a.m.; however, we have always had the doors wide open by 15 minutes to 8:00.

If Mr. Fudalla needs more than 10 or 15 minutes to drink his coffee we suggest he does without so he won't have to form the bad habit of always being late to class.

Bunny Hughes  
Jean Eklund

Dear Editor,

In reference to your three-column front page story on the financial status of El Mustang, I have the following suggestion to make: Attention John Healy, faculty advisor for El Mustang and photography class instructor.

In close observation of the various photographers covering their assignments I have detected the amazing repetition of taking "the same old shots."

Knowing the bulging files that you have of these same old shots taken from many years back, I am sure that you can cut your expenses in half by producing the following.

A photographer who has a mind of his own and a taste for originality.

A photographer (and he could be the same person) who can hold his itching finger until he sees a picture that will warrant a story of human interest to you.

Sports pictures to date have been (unsupported generalization) cut and dried. Your photographers appear to "shoot and hope," a terrific waste of film and equipment.

I hope, for the sake of the students for whom this paper is intended, that a good photographer wanders into your classroom someday.

Fraternal yours,  
Oke Vernon

The new Lamont Library at Harvard university opened last month. A gift from the late Thomas W. Lamont, New York banker, made the million dollar library possible. Stocking it with 80,000 volumes was left to the college.

Harvard places emphasis on reading for recreation and study, rather than for research.

## FILE THIRTEEN....

By Dave Goodman

Saturday afternoon always seems to be the busiest time of the week around the dorms. Especially on those Saturdays when there is a dance coming up. That's the time when the lads hit the showers early in order to get some of that hot water before the tank runs cold. Also the time when some joker gets into the shower, gets wet, and then discovers upon opening his soap dish, that his room-mate has used up that last silver. He then comes racing down the hall, water dripping hither and yon, yelling for some kind person to loan him a bar of lather lard.

Saturday afternoon is sweet smelling time. Lots of scraping off of animal by-products by the ag men, and the application of cream hair oil and after shave lotion. Got to give that gal the best impression.

It's also the time when your neighbor drops in to borrow your yellow tie to go with his purple sport jacket—just the night when you wanted to wear it yourself.

We noticed that the Palmolive people have painted the AJAX cleaner boxes with luminous paint. Now you can do your cleaning in the dark. That's about as useful as pens that write under water.

Our boy de la Garza is a popular fellow around the campus. We keep getting calls from every office on the place that gets a letter from South America. They want Cisco to come over and translate the Spanish for them.

This new half door which we now have at the entrance to El Mustang office has proved to be both a boon and a hindrance to the editorial staff. With the new door, we now can get rid of some of the Chesterfield atmosphere that was killing off some of our younger and less hardy writers. It also gives us a good view of the basement hall, so now we too can get in our whistles at the female population. The open door also gives the citizens an opportunity to look in to see that we do something besides smoke large quantities of cigars and drink just boooooos of coffee and cokes.

On the other hand, however, the open door lets people see how sloppy our little dungeon is. They can count the stacks of cups on the desks and thereby see the reason why El Corral runs out of cups at odd moments. Now we not only have our own noise to contend with but also that of the masses who trod the halls. Not only do we get El Corral's cups and noise but we also get a goodly share of their files. We also get all kinds of visitors leaning over the sill trying to find out just what's going on.

We ask but two things: will the manured aggies please stay on their own side of the door, and will the cute librarian, you know, the one with the dark hair and bangs, kindly come in. We're bashful.

Johnny Askins was taking pictures of Betty Jo for El Rodeo 'other night. El Mustang staff went in, just to help our the yearbook staff, of course.

Russ Pyle wants everyone to know that he just heard the number one song on the Russian Hit Parade is "Happiness is just a Thing Called Joe."

For the information of John Fudalla and other interested parties, El Corral does open at 7:45. You have to get up that early, though, John.

Those signs to help the student hitchhikers going to town and camp should be a big help. Now all that's needed are signs in town at the points designated by Marty Engler in his letter of last week pointing to campus or the camp.

We got a hot tip to do a story about the northern lights that some folks saw last week. As yet we can't find an eye witness. According to the dictionary the true name is Aurora Borealis, and they are a luminous phenomenon, supposed to be of electrical origin and visible only at night. These lights are seen quite often on winter nights in the north but are rare sights this far south. That's what they told me about snow when I first moved out this way.

During the past week we've had some exceptionally crumbly deals pulled around this merry little institution of ours. To mention three, the stealing of the March of Dimes contributions from the mess hall, the hit and run automobile accident that happened to Archie Ahrendsen, and the messing up of the track by some lads spinning their motors.

It would take a police force of a hundred men to keep watch over all sections of the campus at all times of day. Therefore, El Mustang advocates that any men apprehended for any such crimes be prosecuted to the fullest extent of the law.

Something has to be done to cut down the petty crime rate around here before someone really gets hurt.

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## Horseshoers Revive Ancient Skill

By Paul Toschi

With the decline of farm and carriage horses in the United States following the inception of the automobile, horseshoers began to drop out of what seemed to be an unprofitable field. A few years passed and then horse racing and riding clubs started to flourish in this country, particularly in California and other Southwest states. Farriers by this time had become scarce items.

Cooperating with the Horse and Mule Association of America, Michigan State college organized a school to fill the revived demand for horseshoers. With the Michigan school turning out farriers, horse associations in California sent written requests to President Julian McPhee of Cal Poly to open a horseshoeing school on this coast.

This college was chosen, according to James F. Merson, ag engineering department head who recently described the Poly horseshoeing course in the Salinas Californian, because of its "learn by doing" approach to education and because the school's entire program is financed and supported by the permutual taxes received from horse racing.

McPhee granted the requests and Ralph Hoover, master farrier and graduate of Michigan State college's horseshoeing school, was hired to instruct horseshoeing at Cal Poly. Hoover, 26-year-old son of Owen Hoover, Porterville horse trainer, has spent most of his life in horse work. A horse, shoeing instructor in the Army, he patterned his course after Horse and Mule association recommendations. He was assisted by Vard Shepard, dean of the division of agriculture, and Merson.

Horseshoeing students attend classes in an abandoned farm shop. This structure was remodeled

and painted and 12 forges were installed. A forced draft exhaust system was designed and built by the air conditioning students while a 80-foot deep freeze box was built in the ag engineering shop.

The deep freeze box is used to store horses' feet which are obtained from the local tallow works. The feet are used by beginning students who clamp the feet in stands which approximate the position of a hoof being worked by a farrier.

Fundamentals of forging, hot plating, heats, welding and shoeing are studied by the students during their three-month schooling period. Dr. Dean Lindley, campus veterinarian, and Lyman Hennion, animal husbandry department head, provide additional instruction in horse anatomy and physiology, and in training and handling horses.

Along with blacksmithing and shoeing, students have some experience with live horses. Horse owners of this area frequently bring their animals to the school for shoeing. A small charge is made to defray material expenses. With a shortage of horseshoers in this area, the school provides a real service to the community's horsemen.

The Horse and Mule association has contributed \$1,500 in scholarships to the 10 outstanding students in this course each year. This is done to encourage men to enter the trade to take care of the growing need for good horseshoers throughout the nation.

The course, which is believed to be taught in only Michigan State and Cal Poly, has brought much favorable attention to this school. Pictures and stories dealing with the course have recently been published in the California Thoroughbred, the Palomino Parade, and the Salinas Californian.

## Instructors Attend Ag Engineer Meet On Davis Campus

James F. Merson and M. Ray Parsons, agriculture engineering instructors, are attending three conferences held on the Davis campus of the University of California Feb. 1-5.

The annual rural electric conference took place Feb. 1 and 2. Subjects discussed included the use of high frequency heating in rural areas, materials and methods for weed control, wind machines and frost protection, floor heating in poultry houses, egg cleaning equipment, methods of pasteurizing soil, measuring moisture and temperatures in hay.

On Feb. 3, the two Cal Poly in-

structors heard Roy Bainer review the present research program of the agricultural engineering division of the college of agriculture. Other speakers discussed weather protection, new instruments for heat measurements, and the use of airplanes in agriculture.

The farm machinery conference today concludes the week's activities. Topics to be covered are irrigated pastures, fuels for tractors, diesel versus gasoline tractors, a farmer's experience with power farming, mechanical equipment of the orchard and sorting fruit by electronics.

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## Campus Lambs Top Mondays Union Stockyard Sale

Two hundred and three campus lambs topped the San Francisco stock market sale held Monday, Jan. 31. Selling at twenty-five and one-half cents per pound, the lambs, finished by 28 AH students, went to Swift and Co. at an average of eighty eight and one-half pounds each.

This is the third consecutive year Cal Poly has topped the market with lambs sold during the early months of the year, according to Spelman B. Collins, sheep department head. These lambs were the small end of the 812 feeders which were purchased through the Valley Livestock Marketing association, Utah, and were shipped to the campus from Ely, Nevada. Seventy of the larger lambs from this group were slaughtered and sold locally.

Collins and George McNeeley, AH instructor, accompanied by 40 meat animals students, were conducted on a tour of the Swift slaughterhouse at the conclusion of the sale. A free lunch for the group was provided at the slaughterhouse.

Three former students met the group at the stockyards. They were Ben Gupton, employed by Swift and Co.; Jim O'Neill, Armour and Co.; and Wayne Elbe, now a Union stockyard employee.

## Income Tax For Vets

Disability compensation, pension or subsistence allowance paid to veterans or their dependents by the Veterans Administration are not considered as income for income tax purposes, the Los Angeles Regional VA office today reminded vets.

Income that vets may earn on part-time jobs while attending school full-time or on-the-job training, is subject to taxation under the existing tax laws.

Also subject to taxation is the earned income of veterans or their dependents drawing disability compensation or pension. Only the compensation or pension paid by the VA is tax exempt.

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## John Harnack Wins SAE Honors

(Continued from page 1)

latches and ball bearing retainers. Harnack listed several advantages of this casting process:

- (1) Castings are naturally smooth and require little or no finish machining.
- (2) The designer has a wide choice of materials which he can use. Any castable alloy can be cast by this method.
- (3) The designer is no longer limited to designs that can be made by conventional methods.

In conclusion, Harnack made it quite clear that the process has limitations and is not a key to all casting problems. It is costly. The careful handling required runs up the labor cost. Larger size castings result in a large percentage of waste metal. For these reasons, it becomes clear that the producer should use it only within the limits of its particular advantages.

James Heacock of the University of Santa Clara took second honors with his talk, "Automotive Engine Testers", in which he demonstrated the many appendages of an automobile test unit.

Third prize was awarded to William Chamberlain, a graduate student at Stanford University, for his paper on the "Free Piston Compressor".

The meeting began Thursday afternoon with a tour through the mechanical engineering laboratory and was followed by a dinner and presentation of the papers in the evening. Exhibits included rockets, turbines, and special heat transfer apparatus. Demonstrations were given on supersonic flow and also on the operation of the free piston compressor.

This compressor, which was used by the Germans to supply air for use with torpedoes on submarines and destroyers, was shown in operation and then was disassembled and the construction details shown.

During the evening session Chamberlain presented slides showing the design of the compressor and its performance characteristics. The compressor is of special interest because of the small amount of space it occupies and also because of the efficiency at which it delivers high pressure air. This unit far surpasses anything used in the United States.

It is called a free piston compressor because the two pistons slide back and forth freely with no connecting linkage except a rack and pinion to actuate the fuel pump. Power is derived from diesel type injection. As the two pistons come together the detonation drives them apart compressing air in each of the four stages. Air is delivered from the fourth stage at approximately 8000 pounds per square inch pressure and at a rate

## OH Students Attend Ventura Nursery Meet

The Tri-County chapter of the California Nurserymen's association meeting in Ventura last Friday was attended by three horticulture students, accompanied by Howard Brown, instructor. Students making the trip were Robert George, Jim Dixon, and Richard Schale.

of 70 cubic feet of free air per minute.

The unit is particularly interesting because it acts in a manner analogous to a spring loaded system in damped free vibration with one degree of freedom. As the discharge pressure increases, it has the effect of increasing the natural vibrating frequency. In other words, the higher the discharge pressure, the faster it goes. But all the force is absorbed so that there is no external vibration. In fact, a nickel balances on edge quite nicely when the compressor is running.

## Technical Report Class Begins Spring Quarter

A course designed to train students in writing reports on agricultural and industrial topics will be offered during the spring quarter by the Cal Poly English department.

The three unit course will consist of three one-hour classes a week and will include study of engineering reports, technical articles and research papers. The class will be listed as English 801, Report Writing, in the spring quarter time schedule. It will train students in preparing reports of the type they will be writing when they enter the industrial and agricultural fields after graduation.

Pre-requisite for the course is freshman English. The instructor will be Fred Gerts, who, before coming to Cal Poly last fall, was in charge of English classes for engineering students at Alfred University.

## Graduate Assumes Editorial Position On Stockman

Frank Smith, an animal husbandry graduate at California State Polytechnic college last June, has been appointed field editor of the Pacific Stockman.

Smith replaces Edwin J. Rousek who has joined the animal husbandry department staff in the school of agriculture at Fresno State college.

Smith was one of a group of Cal Poly students entering the grand champion carload of fat steers at the Great Western Livestock show last winter. He was a member of the college Boats and Spurs club and served on the Poly

## Aztecs Invade Local Court In Tonight's Tilt

(Continued from page 1)

be scoring ace Hank Morozki and reliable Frank Ross at guards. Jim Ellis will be at the pivot post, with Jack McMurdie and Bob Coghlan at the forward positions.

Coach Bob Steele's Frosh will meet the Santa Barbara Frosh in a 6:00 o'clock opener. These boys have had an impressive season so far and should make the long sit more than worthwhile.

Royal executive committee. He was also beef show announcer at last spring's Poly Royal.

He attended San Francisco junior college before entering the Marine Corps in 1943. After service overseas he was discharged and entered Cal Poly.

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