Project Beef Steer Roundup Underway

"With the proper feed conditions prevailing, we will have 150 head of yearling steers for student projects this year," stated Lyman Benson, head of the meat animals department. The present herd consisting of 100 head of Shorthorns, Herefords, Shorthorn-Angus and Hereford-Angus crossbreds, was saved between January and March of 1948.

The 150 head of steers will be put into a project pen from which students will draw their individual and class projects. The feeding will be done through the department channels.

Through proper feeding, growing and good showmanship, we hope to win more this coming year.

FUTURE T-BONES... A herd of young bovine chow bounces line up at the food trough to gather in vitamins. One white-face calf, right, seems to be more "ham" than beef as he earnestly mugs the camera. Lyman Benson's beef class stands in background and appraises the veevers' possibilities.

Radio Frequency Generator Acquired By E.E. Department

The electrical engineering department has obtained a new kilowatt radio frequency generator, the same type as used in regular commercial operation. With this mechanism, radio frequencies for induction and dielectric heating will be available for E.E. students.

The induction heating circuit is used for surface hardening of metal. It is being primarily used in industry to harden bearing races, connecting rods, and other metal parts.

The dielectric heating circuit is used as the power source of the electrical inductance furnace. E. E. Stover, head of the electrical engineering department, described some of the advantages of using these circuits. Uniformity of product is the result of the uniform heating.

Cars Freeze, Shrubts Shrivcl, Brrr-r!

Old man weather stalked down from Canada early this week, bringing to record lows,event snowflakes around and sending temperatures sliding to 17 degrees early Monday. With rare breath most wintry phenomena, it was accompanied by his rarest attribute, frost. Ray Rogers, weatherman for the Telegram-Tribune, and Roger Deuel, who recalled for the Telegram-Tribune a temperature of 70 degrees, December 28 and 29, were the only two bits of sunshine seen during the cold front. Snow was common in the higher elevations of the mountains and scattered showers were reported across the mountainous regions.

With this week's storm, the campus gradually became a winter wonderland, and temperatures were expected to drop below freezing before the weekend.

Veterinarians At Campus For 6th Annual Conclave

Veterinarians of the future will be students at Cal Poly today, enjoying talks and the 6th Annual Conclave. The event was planned to increase the interest of students in the veterinary field.

Foe Converges On Casabans

Mustangs Brace For Two-Tilt Weekend

By Russ Pyle

With the season out 12 games old, the Cal Poly Mustangs begin one of their toughest weekends of the year when they invade the Hilltop retreat of the Santa Barbara Gauchos to match baskets with the Channel City quintet at 8 p.m. tonight.

And should the Mustangs clear the UCSB hurdle with no casualties to its beleaguered herd, they will still have another storm on their hands. Saturday, the Poly will clash with Waves on the local court and face a tough challenge in the weekly activities are complete.

Two Division II programs have expressed special interest in the Mustangs for the season. The Gauchos are coming off a 65-58 win over Sonoma State and the Plover state Armory is looking to double up on its win over the Poly last year, losing this year's game by one point.

With the Mustangs coming off a game with a conference foe and one at home, the Gauchos will be only the first stage of the weekend for the Poly bunch, but it is also the backcourt assignment.

Without Hubler in the starting five, the Mustangs will be reeling in the presence of the Gauchos attack tonight, which will be the first time this year the team plays without one of its big guns.

If victory is theirs tonight, chances are the Mustangs will be playing host to the Gauchos in the conference semi-finals, which with the Pepperdine Waves and the Cal State Long Beach Blues winner of the match, are the only two teams left playing.

If the Gauchos come out strong, ready to even things Hubler's absence.

It will be only the Poly boy who will bear watching tomorrow, as the Mustangs are to engage in a game against the Gauchos, followed by a game against the Waves.

With their record now at 9-1, the Poly have a 6-2 record and an average of 105.3 points per game, which is second highest in the country. The Gauchos are 6-6 this year but have a 59.6 average this season.

The game was closed out at 10 p.m. with the Gauchos leading 57-56. In the second game, Hubler was able to play with less than the best of health.

In the conference semi-finals, the Mustangs are up against the Gauchos, followed by a game against the Waves.
Aged But Active; Meet Sir Bess Of Taylaker

Dairy cattle at California Polytechnic seem destined to play an important part in maintaining the national recognition that this college now possesses. In the past few years several animals in the college herd have broken United States records in producing thousands of pounds of butterfat. The best known of these animals is a Holstein bull, called Sir Bess of Taylaker II. He was born in the fall of 1936 and is estimated to be the highest rated Holstein in the "warm" run. At the age of one year the bull still retains that certain mystery about him that a noble animal, even though the ablest black spots of yesterday have turned to an off-gray. Sir Bess has won about all the honors that can come in a lifetime of showmanship. He was named best of the breed at the California State Fair in 1938 when only one year of age. It is very seldom that such a young bull wins a high award at such a large show over older bulls. He has been given the Gold Medal Award by the Holstein-Friesian Association of America. Sir Bess has surpassed his sire Sir Bess of Taylaker I, whose record is kept in the records of the Holstein Association of America. Sir Bess was fathered by the top rated bull that ever existed. His son and daughters have been the talk of the dairy fraternity in the United States. Sir Bess has turned out to be very valuable, and during recent years has averaged over 1000 pounds of fat in a year. It is very seldom that such a young bull can prove his worth when only one year of age. It is of interest that the association that frequently inquires about purchasing Sir Bess, who, however, doesn’t interest you, does not find the college now possesses. In the past few years several animals in the college herd have broken United States records in producing thousands of pounds of butterfat. The best known of these animals is a Holstein bull, called Sir Bess of Taylaker II. He was born in the fall of 1936 and is estimated to be the highest rated Holstein in the "warm" run. At the age of one year the bull still retains that certain mystery about him that a noble animal, even though the ablest black spots of yesterday have turned to an off-gray. Sir Bess has won about all the honors that can come in a lifetime of showmanship. He was named best of the breed at the California State Fair in 1938 when only one year of age. It is very seldom that such a young bull wins a high award at such a large show over older bulls. He has been given the Gold Medal Award by the Holstein-Friesian Association of America. Sir Bess has surpassed his sire Sir Bess of Taylaker I, whose record is kept in the records of the Holstein Association of America. Sir Bess was fathered by the top rated bull that ever existed. His son and daughters have been the talk of the dairy fraternity in the United States. Sir Bess has turned out to be very valuable, and during recent years has averaged over 1000 pounds of fat in a year. It is very seldom that such a young bull can prove his worth when only one year of age. It is of interest that the association that frequently inquires about purchasing Sir Bess, who, however, doesn’t interest you, does not find the college now possesses. In the past few years several animals in the college herd have broken United States records in producing thousands of pounds of butterfat. The best known of these animals is a Holstein bull, called Sir Bess of Taylaker II. He was born in the fall of 1936 and is estimated to be the highest rated Holstein in the "warm" run. At the age of one year the bull still retains that certain mystery about him that a noble animal, even though the ablest black spots of yesterday have turned to an off-gray. Sir Bess has won about all the honors that can come in a lifetime of showmanship. He was named best of the breed at the California State Fair in 1938 when only one year of age. It is very seldom that such a young bull wins a high award at such a large show over older bulls. He has been given the Gold Medal Award by the Holstein-Friesian Association of America. Sir Bess has surpassed his sire Sir Bess of Taylaker I, whose record is kept in the records of the Holstein Association of America. Sir Bess was fathered by the top rated bull that ever existed. His son and daughters have been the talk of the dairy fraternity in the United States. Sir Bess has turned out to be very valuable, and during recent years has averaged over 1000 pounds of fat in a year. It is very seldom that such a young bull can prove his worth when only one year of age. It is of interest that the association that frequently inquires about purchasing Sir Bess, who, however, doesn’t interest you, does not find the college now possesses.
F.M.O. News

A series of meetings bringing together the California Young Farmers, discussing the Agricultural Education Association (A.A.A.), and the governing board of the California Agricultural Teachers Association were held in Fresno last week. Among those present from the Cal Poly agricultural education staff were Byron J. McMahon, chief of the bureau of agriculture education; J. D. Lawson, of the bureau; Howard Brown, horticulture instructor; and as teacher-trainers, Thed J. M. Balch, Shibas Hiroshi Fukuoka, and James M. Head, of the ag engineering department. Four Cal Poly students also attended these meetings, they were Elton Peetz, president of the California Agricultural Teachers Association; Robert J. Atkins, vice-president of the A.A.A.; and George B. McMahen, chief of the bureau of production tool engineering, Jay Richerson, mechanical engineering, and James M. Head, of the ag engineering department.

M. E. Club

Following the advantages of practice tool engineering, Jay Richerson, H. E. Instructor, conducted several talks before a meeting of the M. E. Club Wednesday, January 20. Addressing the topic "The Engineer—A Wages Earner," Richerson, who was invited to present the talks, explained that tool engineering is a field in which mechanical engineers have a great advantage. W. R. Watts, M. E. Society president, announced that plans for the immediate future include a dinner meeting and two field trips.

A. C. Club

The January meeting of the Air Conditioning club was held in El Club Room Wednesday, January 20. President Bill Nellendorf conducted a short business meeting, after which Norman Sharp, M. A. Instructor, spoke on the subject of heating.

Class Picture Schedule

Following is the schedule for taking class pictures on campus:

FRI. - 10:00 a.m. - Engineering, Agriculture, Business
TUE. - 10:00 a.m. - College of Liberal Arts
WED. - 10:00 a.m. - Agriculture
THU. - 10:00 a.m. - College of Education
FRI. - 10:00 a.m. - College of Agriculture
SAT. - 10:00 a.m. - Agriculture
10:30 a.m. - Engineering
11:00 a.m. - Agriculture
All departments are urged to call the office of the registrar or the office of the deans of the colleges before taking pictures.

Cal Poly Club News

Chinese New Year

The Chinese New Year celebration was held on Saturday, January 16, in the Gymnasium. Following the Chinese New Year customs, the students took part in the activities of the Chinese New Year. There were games, dancing, singing, and other activities. A Chinese New Year banquet was held in the Dining Hall following the celebration.

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11 A.M. SUNDAY

OSOS and PISMO

Poly Grad Marries

Clinton Randolph, former Cal Poly student now teaching at San Bruno, married Jane Swanson at Salinas. California on November 27. They have a report reserved for this week. Before Clinton took a degree at Comal School last year, this couple was the staff of the Ventura Unit of Cal Poly. Randolph was at Poly in 1949 and in 1950, served as an army fighter pilot in the African Campaign. Clinton is currently teaching agriculture at Monterey, California. Among the guests at the wedding were Dwight Weller, former Poly student now teaching agricultural education at Princeton, California; Paul Doughty, crop department head; and their wives.

JOIN

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Early Aztec Scoring Spoils Local Hopes

The Cal Poly Mustangs, finding the basket a little out of reach on the Asters court, fell to the San Diego State quintet 58-48 last Saturday night in their first NCAA conference outing of the 1949 season. Lead by Dick Barnes and Tom Keesey, who bucketed 50 points between them, the Aztecs played an outstanding game and were hanging on to a 4-lead going into the halftime interval.

Coach Ed Jorgensen's boys, looking for a little breathing room at the opening minutes of play, saw six consecutive baskets against them before they could find the basket. From that point on, the game was played at a fast pace until late in the half when the Aztecs tried to sneak by the Mustangs with a few baskets. With Barnes and Keesey pouring shots through the hoop, the halftime lead was extended to four.

The beginning of the second half saw the Mustangs come back strong with Bob Babich and Bill Coghlan hitting three for the green and gold cause. With Jim Ellis joining in on the backcourt, the Mustangs evened the score early in the second period, only to see guest Don Morris leave the game with five personal fouls and has the game back to equality the time winning lead. The Mustangs were close once more, however, and creased the difference to two points before the final game winner buzzer.

Coach Jorgensen commented, "It was simply a case of being outplayed by a much better team. As far as the fans, much better. Bob Babich, Jim Ellis, and Frank Ross all played a good game but it was no contest the same time.

A trip to the Harbor City will bring the Mustangs home long enough to beat some of their best opponents. 68-60 Friday night. High points that over 80 percent of the visitors to the game were immediately followed by Doug Strathburn, who pulled in 15."

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Season's Outlook Appears Bright For Aqua-Artists

By Jim Larson

While scores were glanced last Friday afternoon for the first time this year and swimming started, Dick Anderson believes some of the old swimming records will soon be untied. Everybody showed up according to coach Anderson.

Those returning from last year's squad are: Jim Davis, Herb Lows and Don Oatman, back stroke artists; Tom Rodriquez, in the breast stroke; Pat Coghlan and Mel Clarke, cra. knob; Bob Davis, breast stroke; Lay Frosl, Jack Bartol, and Roy Marafara in the breast stroke department.

Every afternoon Friday afternoon, the Polymen will be held. All students are invited to come over to the pool and watch a good bunch of men.

Cal Poly swimming records to be broken soon are:

* * *

Jensen Announces 49 Track Schedule

Track will be soon getting underway. And here is a fresh and long schedule of meets in the works. This season, as is customary in the past, meets have been scheduled with Pueblo, Colo.; H. M. Ward's Santa Clara, San Jose State, College of the Pacific, Fresno State, and Santa Barbara.

While all California schools have met, the highlight of the season was the one at the Los Angeles Memorial Coliseum. The Mustangs will have to compete against the University of California team.

Radio Eng.

About 60 senior industrial students have been asked to help the Mustangs on radio broadcasts. The meeting of Saturday night, March 17, opens the season opened by Bill Cody, chairman. The program was over to John Robison. The feature for the evening was a panel discussion on the topic of the Mustangs' swimming meet on the Asters' once more went on a roll.

Most of the team are returning from last year's squad are: Jim Davis, Herb Low, and Dick Barnes.

To bring us up to date, the swimming meets in the past few years have the majority of last year's team. The meet was good for several transfers and freshmen. There is a lack of depth in the events, especially the sprint and relay.

Coach Jim Jensen is beginning to bring the team together for practice.

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Gym Construction Nears Completion

A temporary steel structure, according to the Bureau Construction company, has been raised in the last stage to bringing the new construction at Crystal Gym. The foreman reported that the steel truss was completed last week. The work was started last month.

The gym will be used for the track meets, student activities, and for the activities in the social fields. The steering committee, consisting of the faculty, students, and parents, will be in charge of the gym. The communications department will be in charge of the gym.

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J.O. Weir

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**Clouters Stanford Bound**

The Cal Poly boxing team will follow the 101 trail into Palo Alto today where they will meet the Stanford Indians in a seven round go at the Cardinal arena tonight. Led by Coach Chuck Favello and his hard-working assistant, Russ Barr, the Poly aggregation hopes to return home with their first win of the season. A green and gold squad that looked terrific on the book of school. But as if that wasn't enough to make Coach Chuck Favello's blood boil a little more, has looked a little more green and 106 pound bracket.

But unless an act of Truman throws another towel in the Mus-paper before the season got under way, has looked a little more green.

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**FILE THIRTEEN**

By Dave Goodman

One dim right a bunch of the guys were wahooing up and down the steps of the Old Union between El Mustang, one of the largest dormitories on campus. One of the girls, Charlie she called, said that she would pass the word around to her small group of friends and the rest of the group all followed and then we all played around and had a pretty good time.

I haven't been to class on time yet.
The Slide Rule
By Fred Hawley—

No getting around it, Herr. The computers have taken the place of the slide rule, and I am sure that there is little that can be done to beat this innovation. The slide rule was found to be quite efficient, after all, and it performed its task well. Take the present slide rule you have before you. It not only works wonders in calculations, but it also has the ability to display graphs. The results can be read off at a glance, and the user can see the trend of the data at a glance. It is a very useful tool, and one that is well worth having in your collection.

But the slide rule has its limitations. It cannot perform complex calculations as efficiently as the computer can. It is also much slower in its operations. But for simple calculations, it is still a valuable tool.

None of this can be said of the engineers of the future. The slide rule has been replaced by the computer, and we can only hope that they choose wisely in their investments. The computer is the tool of the future, and we must prepare ourselves now so that we can take full advantage of it.

No, no, I am not suggesting that you should throw away your slide rule. It is a valuable tool, and one that is well worth having. But you should also be aware of the limitations of the computer, and the fact that it is not a panacea. It is simply another tool in our tool kit, and one that we must use wisely.

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