**Marie Vicks**

California State Polytechnic College

**Vol. XXI, No. 5**

**EL MUSTANG**

**Tuesday, Nov. 17, 1958**

**Mustangs 20—Pioneers 10 In Non-Conference Contest**

**SACTo Decide Fate Of Women Rooters**

**Photographers Take Club Pictures This Week**

**Blue Key Plans Installation Of Women's Honor Sorority**

**Top Honors Taken By Judging Team**

**Farm Management Slates Feeder Trip To South**

**El Rod**

Mustang mentor Roy Hughes wasn't kidding when he told his charges to watch for a "wide-open-r assie" type of offense from the Lewii and Clark Pioneers early last weekend.

The Pioneers roared into Mustang Stadium Saturday night and promptly commenced to unveil their winged T style of offense, scoring 10 points in the first quarter and 12 more in the second before Roy Hughes could bring his Mustangs to life with a desperately needed, although somewhat defensive, touchdown late in the third period.

10-0 Mustang lead was narrowed to 10-6 when Pioneers fullback Bobby Allen crossed the goal line from 1 yard out, with the conversion being attempted by 

"...man..." a new Mustang single season, a new Mustang record, and a new Mustang point spread which will stand until some of the 16 Mustang seniors return to the gridiron in the spring of 1956.

"...man..." also, the game represented the only mistake Pioneers quarterback George Stahl introduced when he fumbled the ball in the last minute of the game, allowing the Mustangs to capture the ball and jog across the goal line for the Mustangs' second point after the successful conversion.

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Photographers Take

(Continued from page one)

Pulp Rowman
Pulp Chi...
Pulp Carribian
Pulp Philadelphia
Pulp Players
Pulp Phase
Pulp Barnards
Pulp Chemistry
Pulp Road

Despite the fact that there were no happenings of the usual magnitude to photo, there was such a demand for the service of photographers that Mr. Pulp Rowman was called upon to make a few runs in and out of the administration building, to get pictures of events taking place.

HROPOM COMMISSION SEEKS IDEAS FOR 1960

The 1960 Homecoming Committee plans will outline this year’s parade plans and explain how the floats were judged. The program was performed as a joke on May 17 at 8:00 P.M.

The committee extends an invitation to club representatives to attend this meeting.

Suggestions for next year by Campus clubs are welcomed at this meeting. Homecoming Committee officials announce.

Out Of The Din

Contributions to "Out Of The Din" are invited for the next issue. If you see a story in the news that you think might interest the students, or think about why you Rooter when you hear the noise, and why you Rooter in a story you have read in the paper, send copies of the story to "Out Of The Din" editor, M. M. 1, Almodia building.

Why Rooters?

Dear Editor:

I have here before me one of the most amusing and delightful editorials that a newspaper, especially a college newspaper, has ever dared print. I refer to the editorial in the Oct. 21 issue of the Mercury, written by Mrs. A. A. J., a reporter for the "Out Of The Din." The latter praising the set of "The Thirty of California" and a discussion of economic importance and control.

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**Undeclared Freshmen . . .**

First row (left to right): Assistant Coach Veli Vahid Willsameen, Jerry Dow, Bruce Caroff, Ken Lai, Roy Murfrees, Bill Stark, Jim Bell, Jack Tavares, Lee Raw Two (left to right): Duane Bargs, Bruce Barks, Ben Chen, Dick McElhinney, Bob McEvilly, Mike Bell, Mike Lacedura, Jim Anderson, Wayne Maghee, Robert Rider, Lowell Chase, Eddie Popa, Al Meadon, Bob Walthard, Bill Dukowski, Thomas White, Roy Stadthaus, Jay Hunt, and Dean Celenko. In Assistance Coaches for the men are Terry and Mike Lee.

**Unidentified Freshmen**

Facing a tough-18-match schedule, the Mustang wrestling team of Coach Sheldon Harden is sailing at the bit to bring the Pacific Coast Intercollegiate wrestling championship back to Cal Poly. Taping a look at the grappling picture this year, it looks as though Harden’s charges just may be the team to do it.

In 1960 the Mustangs swept their way through 16 opponents to end the season with 10 wins, 0 losses, and 0 ties. After raking up the undefeated season, the green and gold grapplers went on to take the P.C.I.C. championship. Tom Hall and Pat Lovell, heavyweight team individual honors. Lovell will be featured in the heavyweight class again this year.

Freshman squads will be sailed by some formidable talent this year with several high-ranked J.C. and high school wrestlers. On the roster for the first time are 143 pounds Ken Nobata, 181, both former junior college champs. Two third-place winners in the California Intercollegiate Federation can be found on the freshman team. Jerry Dow, Northern CIF, and Neal Pau, Southern CIF.

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**Imperial Highlights**

by Art Kikihaya

Heading this week’s Intramural activity is in the fall. Poly’s Men’s Singles Tennis Tournament. Under the direction of Jack Sanford, the tourney is in its second round of competition. The first round, which was completed last week, eliminated one-half of the approximately 60 novices participating. Top-seeded players who will show strong oom competition as the field closa are A. A. Navy elseraft.

**Wrestling**

Rapidly approaching on the Cal Poly Men’s Wrestling Tournament to be held Fri. 9 to 10. This final approximately 10 players are expected to round out the lineup in the gym. Officiating the event will be the Hal. Larry Brimhall, Pat Lovell, Bob McElhinney, and Jim Bin. A winner will be awarded to each first place winner in addition to a trophy.

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**NAA’s On-Campus Interviews**

Nov. 19 & 20

**The Chemist In Your Pocket**

In every chemistry there are hundreds of advances in science . . . whether it’s a space probe breaking up Venus or a submarine glimpsing beneath the ocean . . . the advancements that make headlines . . . but even as they are announced by the world’s editors and scientists are planning new and greater achievements and research shows them the way.

Scientific research always has had an important role at North American Aviation. Today, research projects are underway at more than 100 laboratories in the six North American Divisions. Here they encompass the full scope of modern, eternal science.

Is an oxygen tank safe?

Not all research has the headline appeal of a space ship or nuclear power. For example, research engineers at the Automotive Division, which designs and manufactures space-age navigation systems, found that air is thinner than steel for some purposes. Improved gyroscopes and magnetic recordings were important results of this research.

Aegonite’s place in research

Even the ordinary airplane has a role in scientific research. Aegonite, a material scientists at the Aerospace Laboratory, an organization within North American’s Missile Division, use a burning aegonite in a still room to illustrate the difference between laminar flow and turbulence in the boundary layer, the very thin air space that lies along the outer skin of an aircraft or missile. This research is part of a program to find ways to protect missiles, satellites and space ships from burning when they re-enter the earth’s atmosphere.

**The Conquest of Space**

The Rockeydyne Division has designed and built the bulk of today’s operating hardware in the high-thrust rocket field. Explorer I, America’s first satellite, was boosted into orbit by a Rocketdyne engine, and the north-south of the power for Atlas IV-AJ was—first attempt to reach another space—come from liquid-propellant engines designed and built by Rocketdyne. Researchers at Rockeydyne drive into the chemistry of propellants, the physics of engine components and what happens within them, ignition of fuel, combustion of fuel, and the transfer of heat.

**8,000 mph manned weapon system**

The Los Angeles Division is the home of next-generation manned weapon system, the March 1-5 Valkyries strategic bomber, and America’s first manned space vehicle, the X-15. Research engineers in this division investigate manufacturing techniques, conduct studies in aerodynamics, materials and processes, and thermodynamics. They also work with physicists, biotechnologists, biophysicists, and psychologists in diverse directions. The field is broad, the problems are many and the rewards are great.

**Building better Navy aircraft**

Analysis of aircraft carrier operation is a major research project at the Columbia Division. This Division designed and built the Navy’s TF-2, the world’s first supersonic jet plane, and the Navy’s supersonic, all-weather A-3 Vigilante. Research activities are diverse here—from how to illuminate an aircraft cockpit to developing unmanned vehicles and systems to perform within the earth’s atmosphere.

**The Atomic Age**

The work at the Atomic Energy International Division of North American Aviation is supported by national research effort aimed at the peaceful atom. Success in the development of economical power from the atom depends on thorough knowledge in every phase of atomic power systems and their materials of construction. The research workers are in service in Japan, Denmark, West Germany, West Berlin, and Italy.

**Opportunities for Engineers**

Today at North American there is outstanding opportunity for young engineers who want to share the unusual creative problems that face science. You can readily build a sound engineering career by working on the top-level projects now underway. Visit your placement office where you’ll find all the facts about a challenging and rewarding future with North American.
Professor Follows World Theme In Sunday Concert

"Around the World With a Piano," will be the theme of a piano concert presented for Cal Poly students recently. Follows recently graduated from the Westminster College, Los Angeles. The concert will be held Nov. 29 at 8 p.m. in the AC. Follows started his career in America, Prof. Follows' programs are varied with examples of native music and anecdotes of life in the Orient. His narrative tells of trekking hundreds of miles with four hundred boys and the piano in war-time China. He escaped from the bombing with fifteen hundred photographs ready.

A student of the literature and art of Asia, he illustrates his performances with readings from Chinese folk tales, with prints and paintings. Young composers in Japan, China, the Philippines, Formosa and Hawaii have provided him with piano pieces which will be heard in the program.

Faculty Member Feted At Farm Bureau Confab

Dr. James F. Merson, department head of the Agricultural Engineering department, received a special recognition at the 8th annual California Farm Bureau Federation Farm Convention In Los Angeles recently.

He received a 30-year service pin honoring him for his long-term contributions to California agriculture. Merson started his career at Dos Palos high school in 1924 and taught in Santa Rosa before coming to Cal Poly in 1936.

For the past three years Merson, the California Farm Bureau Federation's Farm Machinery Standards committee.

Dairy Judges Place Third At Cow Palace

Cal Poly placed third in the Dairy Castle Judging contest held recently at the Cow Palace. State and California Aggies were first and second respectively, Richard Hutton, Don Winter. James De Rudder and Jeanne Baught made up the team members from Davis, Russell Nelson an alternate.

Hutton took third high individual and second in currency judging. De Rudder took high in judging Guernseys and third in Holsteins. The team took first in judging Guernseys and Holsteins. Students are encouraged to take summer employment in fields related to their major. The Placement Office will aid the student in finding a job.

Council Emphasizes Bible; Plans Film Thursday

"An Introduction to the Bible," has been established as the theme for Inter-Varsity's fall program.

The executive board, headed by President Duane Seaburg, felt that many students are not as familiar with the Bible as they could be. Through the media of speakers, discussions, and movies, the group will cover such topics as "The Historical Accuracy of the Bible," "The Scientific Credibility of the Bible," and "What the Bible says About You."

Highlighting the schedule will be the Moody Science Film, "Time and Eternity," to be shown Thursday, Nov. 19 in Rec. B-1.

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