



JULIE ABORN



PAULA CONNOLLY



PAT PALMER



DIANE OBERHOLSER



DONNA GRAMMAR

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CALIFORNIA STATE POLYTECHNIC COLLEGE

VOL. XXVII, No. 25

SAN LUIS OBISPO, CALIFORNIA

FRIDAY, FEBRUARY 19, 1965

Nation Fetes Engineers; So Does Cal Poly

Saluting members in one of her largest professions, the nation will devote an entire week, Feb. 21-27, to the Engineers.

Being nationally known for its Engineering Division, Cal Poly will be the site of many activities commemorating the week.

Under the direction and coordination of the Engineering Council, there will be a Symposium, film, and banquet held throughout the week.

On Monday evening at 7:30 a symposium will be held in the AC Auditorium. Speakers from large and small industries, a graduate school, the military service and government work will comprise the panel.

Speaking for large industry will be a representative from Shell Oil Co. Small industry is represented by James K. Palmer, vice-president and general manager of T.M.C. Research, San Luis Obispo. The graduate school speaker will be Dr. Russell R. O'Neill, associate dean of Engineering, University of California at Los Angeles. Col. W.M. Boyce, U.S. Army, Cal Poly, will discuss military service. William L. James, Air Force Western Test Range Engineering Department, Vandenberg will represent

civil service. Their topic will be "The Relative Merits of Employment." For further information contact Mike Lennie.

On Wednesday at 7:30 p.m. in AE 123, a film on "Ranger 7" will be shown. Representatives of Jet Propulsion Laboratories in Pasadena will be available for comments and questions. Admission is free.

Climaxing Engineering Week will be a roast beef dinner on Feb. 27, Saturday, at 6:30 p.m. in the Staff Dining Hall. Tickets at \$2.75 are available from any member of Engineering Council, ASI office, the Dean of Engineering and from Bill Jones, chairman of the banquet.

A double highlight of the evening will be a speech by Kenneth Mundt, vice-president of Aerojet General Corp. who will talk on "The Engineer's Responsibility to Society and Himself," and the crowning of Mrs. Donna Rogers as Mrs. Engineering - 1965. Donna's husband, Melvin, is a Junior Aeronautical Engineering major.

"The public is invited to attend the activities and bring guests," said Fred Kurig, Engineering Council publicity chairman.

All-Poly Weekend In Dire Need Of Participants

Registration for All Poly Weekend will be held today in the ASI office for those who have not yet signed up. Today is the deadline for registration. Dave Abbott, publicity chairman of All Poly Weekend said that "big plans have been made at their campus to host us and as yet only 20 students have signed up. We should at least be able to get 200 students down to Pomona."

According to Abbott, All Poly Weekend will commence on Friday, March 5, with a "Welcome Stomp," a Queen and Ugly Man contest in which we supply the queens and the Pomona Campus supplies the ugliness.

Saturday there will be open house and a guest speaker. Saturday afternoon at 5:00 p.m. there will be a B-H-Q followed by an I.B.M. dance in the evening. Sunday morning there will be a horse show.

Three meals will be provided for 84 persons plus lodging in private homes for free.

If there are enough going, bus transportation may be provided.

What's With Pendulum? SAC Is Wondering

What is going to be done with the "pendulum" which the 1962 Senior Class had erected in the court of the Physical Science Building and which has never worked?

This was the question asked the Student Affairs Council in a letter it received from Dean Clyde Fisher of the Physical Science Department.

According to Fisher, the orange structure which is intended to support the hanging sphere is disintegrating and cannot support the pendulum as intended. He claims that the structure is an "eyesore" and that the pendulum will not work because it is located out of doors and is in a wind passage.

As explained by Dan Lawson, SAC advisor, all Senior Class gifts are approved by the Executive Council, of which Fisher is a member. Three years ago the Senior Class presented plans and other related information to the council. Therefore, according to Lawson, Fisher should have voiced any objections at that time. Lawson also said that a way should be found to maintain such gifts.

Sandy Wright, ASI secretary, noted that the ASI Fund Raising

Activity Committee is considering the matter of how to maintain class gifts and will make a report next month. The matter was postponed for one week.

SAC approved a Finance Committee recommendation to increase the budget for the Poly Royal Publicity Committee by \$2,080 for both income and expense. This income is to be used for producing a souvenir program for this year's Poly Royal.

According to Paul Sultzbach, chairman of the Finance Committee, the Poly Royal Committee intends to print 7,000 copies of the program. In order to meet the increased income, 4,000 copies will have to be sold. Any additional sales will be profit and will be split 60-40 for the selling club and Poly Royal, respectively.

Also getting SAC approval was the Finance recommendation that ad salesmen be paid a 15 per cent commission on all local advertising sold, retroactive to Jan. 1, and that this money should be taken out of the general budget classification, "El Mustang Salaries and Commissions."

Sultzbach explained that the commission was necessary if the newspaper is to make its budgeted income.

John Berilla, El Mustang ad manager, pointed out that in the past there have been students who have signed up for the ad salesman class. Now, however, the newspaper is having to depend on the work of a few individual students.

Berilla stated that last Tuesday's newspaper cost \$200 because the two ad men who handle 70 per cent of the advertising accounts pulled their ads when they could not be guaranteed the previously agreed upon 15 per cent commission.

Most of the junior and senior journalism students, according to Berilla, are interested in writing and thus an incentive is needed to get ads. He further said, 15 per cent commission is standard on most college newspapers.

On another publication problem, the vacancy in the chairmanship of the Board of Publications, SAC approved Tom Conzoli as chairman.

Cal Poly Scheduled As Test Center

The college has been designated a test center for administering the National Teacher Examination on March 20, 1965. Dr. Joice Stone, associate dean for counseling and testing at the college, announced

College seniors preparing to teach and teachers applying for positions in school systems which encourage or require applicants to submit scores on the examination are eligible to take the tests here.

Designation of Cal Poly as a test center for the National Teacher Examination gives prospective teachers in the central coast area an opportunity to compare their performances on the tests with candidates throughout the country.

During the one-day test session a candidate may take the Common Examinations, which include tests in professional education and general education, and one of the 13 teaching area examinations, which are designed to evaluate understanding of subject matter and methods applicable to the particular subject.

Bulletins of information describing registration procedures and containing registration forms may be requested by writing the National Teacher Examination, Educational Testing Service, Box 911, Princeton, N.J.

VOTE MONDAY, TUESDAY

Pick Poly Royal Queen

Queen of the 33rd annual Poly Royal will be announced Tuesday night after two days of voting by the student body.

Voting begins Monday and Tuesday mornings at 8 o'clock and ends at 5 p.m. Monday and 1 p.m. Tuesday. Polls will be situated at three locations: El Corral patio, east entrance of the Mathematics Building, and the front entrance of the Post Office.

All ASI card holders are eligible to vote.

IBM cards will be used with only two votes cast per card. One choice for queen and one for princess will be made only. Cards marked incorrectly or with more

than two choices will be disqualified.

Five finalists were chosen from a group of 15 candidates last week by a panel of judges. The five are Julie Aborn, sponsored by Farm Bureau; Paula Connolly, sponsored by Poly Phase; Donna Grammar, Rife and Pistol Club; Diane Oberholser, Farm Management and Pat Palmer, American Institute of Aeronautics.

One of these lovely coeds will reign over all Poly Royal festivities, scheduled for April 30 and May 1.

Photographs of the candidates will appear at each of the polls for the benefit of the voter.

The candidate with the highest number of votes for queen will win the title. Only the votes for queen will be considered unless a tie occurs, in which case the princess votes for those candidates tied will be added to the number of queen votes. The girl with the highest number of total votes would then be crowned queen.

A reception for the announcement of the election results is scheduled for 7:30 p.m. Tuesday in the El Corral Snack Bar. All interested students are invited to attend, reports George Soares, Poly Royal Board chairman.

Coronation ceremonies will take place during the Coronation Ball which will be held Saturday, May 1.

SAC Votes Down Two CU Recommendations

The Student Affairs Council rejected a request by the College Union which would have limited the use of the "working press passes" at CU Assembly performances.

Also rejected was a CU request that the graduate manager not be allowed to sign any contract

which would limit the sales of the number of student tickets.

Regarding the first matter, Jack Montgomery, CU representative, said that there are presently 26 press passes given to various news medias in the general area. Montgomery's contention was that too many people could attend the programs if no restrictions were made.

Tim Leathers contended that the amount of good will created by having the passes was more important than allowing these few people free admittance.

Graduate Manager Robert Spink noted that it is general policy for college groups to depend on free advertising.

Robert Boyd, Junior Class proxy, said that the CU Assembly Committee, by barring the "El Mustang" photographer and reporter from the Globetrotter performance, after the newspaper had given considerable free advertising, had created a hostile feeling among many of the paper's staff. Also that perhaps in the future CU Assembly would have difficulty getting as much as free advertising.

The SAC rejected the request on prohibiting contracts which limit the number of student tickets because it seemed to feel that the request would put the school in a "small hole with little room to move." It felt that such a restriction would perhaps make it impossible to bring a highly desirable group on campus.

Math Adds Courses In Computers

"There have been four new courses added to the mathematics curriculum this school year," said Chester H. Scott, math instructor, recently.

They are Math. 250, Programming and Operating the Small Digital Computer; Math. 251, Programming of Data Processing Equipment; Math. 311, Introduction to Linear Algebra; and Math. 312, Linear Algebra.

"We in mathematics, in order to implement the Cal Poly 'learn by doing' philosophy, emphasize applied mathematics," said Scott. These courses aid in putting this philosophy into practice.

The most recent addition to the computer center is the IBM 1620 system. This system supplements other equipment used in Math 250 and 251. Included in the main system is a card key punch, a card sorter, and a line printer.

Dr. William C. Bushman is head of the computer center. Arndt is the full-time operator for the IBM 1620. He computes the programs given to him by the students.

Math 311 is concerned with vector spaces, algebra of vectors, linear independence, subspaces, and determinant theory.

Math 312 includes linear transformations and matrices, rank, dimension, inverse, eigenvalues, and eigenvectors, and applications. Mansfield Clinick teaches Math 311 and 312, as well as Math 250 and 251.

'MISS MATHEMATICS'

4 Coeds Seek Title

Competing for the title of "Miss Mathematics" are four coeds who show a definite "way with numbers."

All math majors, the candidates are Jan Marcellus, 20, junior from San Francisco; Francis Price, 20, junior originally from England, now living from Santa Ana; Marilyn Seidel, junior from Glendale; and Deanna Wilber, 20, senior from Santa Barbara.

"Miss Mathematics" must be a math major, have a minimum grade point average of 2.0, be single and be at least a sophomore in standing. The candidates were nominated by a Miss Mathematics Nominating Committee and were approved by the Math Club.

Voting is open to all math majors and will take place at the Math Office all day Monday and Tuesday, Feb. 22 and 23.

As official hostess of the Math Department, "Miss Mathematics" will assist the department during Poly Royal, welcome high school students to the annual Poly Royal Math Contest and assist Dr. Mills Whitson in the Math Department Office. Her picture will appear in all Math Department publicity for Poly Royal. She will also assume duties of hostess of the spring barbeque and chairman of Welcoming Committee for visiting speakers.

The winner will be announced at the Math Club meeting, Wednesday, Feb. 19, which is open to the student body.

In addition, Mansfield Clinick of the Math Department will speak on "Opportunities in the Computer Industry." Other business to be discussed concerns a future social event with the Home Economics Club and revisions in the Math Club constitution.

Button Design Deadline Today

Today is the deadline for entries in the Poly Royal Button Design Contest, according to Frank Fox, Poly Royal advisor. All entries must be turned in to H.H. Burlingham in Ag 246 or Delbert Shirley in Ag. 245 today in order to be eligible for the \$15 first prize money.

Due to the efforts put forth this year by the Agriculture Education Club, the Poly Royal Board will have a record number of entries to pick from.

"We have over 20 entries this year," Burlingham said Tuesday, "and we certainly welcome all those turned in before Friday."

The choice will be made at the Poly Royal Board meeting on Feb. 25 and the 15 dollar prize will be awarded the winner. All designs must include the following: a mention of the four divisions; the theme of Poly Royal, "A Country Fair on a College Campus"; the school colors, green and gold; black and white lettering; a mention about this being the 33rd Annual Poly Royal; the dates of Poly Royal, April 30 to May 1. The total design must fit inside a five inch circle.

According to Fox this year's buttons will be different in that they will use a safety pin type of pin instead of the straight pin used in the past.

The price of the buttons has always been 25 cents but so far this year no price has been set for the sales.

Industrial Engineers Build 'Force Platform'

by Karen Kinamen
The Industrial Engineering Department has completed work on its own version of a "force platform."

The purpose of the platform is to measure the amount of effort which is necessary to perform work under various conditions.

Previous versions of the platform have been used to analyze the type of work which can be done by paraplegics, hemiplegics, cerebral palsy and stroke victims. It may also be used to analyze the best method to be used from routine industrial tasks to the best way to swing a golf club.

The work was done here in the Industrial Engineering Department which is headed by Millard J. Foster.

Robert Koffsky, a senior in Industrial Engineering, did the actual work under the direction of T.E. Bartlett, an instructor in the department, who had worked with a similar, though more elaborate, machine at Purdue University.

Production ideas were suggested by Koffsky and Bill Studley. Koffsky built the platform with 80-40 hours of student labor.

By modifying equipment which may still be used for other experiments, the platform was produced at a cost of under \$100. Similar equipment at other universities and laboratories costs between \$4,000 and \$10,000. The platform so constructed has performed well in preliminary tests.

"It is thought to be completely comparable with more expensive models," said Bartlett.

The applications of the "force platform" are broad. It will be used in the design of efficient work stations for manufacturing. Various method studies will be improved and made more accurate. In the area of Human Engineering, the capacity of the body to do work will be studied. Working with the Physical Education Department, analysis of coordination and muscle control during athletic activities will be investigated. At a late date, it may be possible to employ the "force platform" for selecting athletes. Those with some form of physical affliction will be aided by proper use of the platform.

It is believed that Cal Poly is one of the few colleges in the country to have this type of equipment available.

Additional equipment to add materially to the usefulness of the platform could be secured in the future.

The equipment will be set up as a Poly Royal exhibit where students can see it in actual operation. It will be presented to the Exchange Club during Engineering Week.

As for its usefulness here, Bartlett said, "Even though the force platform appears to be theoretical, it appears to be well within the scope of Cal Poly. It is something that will provide the students with something to work with and will have reasonably immediate benefits to the community and the state."

Koffsky has evidenced interest in continued work with this platform. His immediate plans upon graduation include graduate school.

News in Brief

From Associated Press

LONDON - Almost everyone knows that the Beatles are big business. Another chapter comes from London with word that the Beatles are now listed on the stock market. One and one-quarter million shares are being sold in a company formed to market the Beatles' copyrighted tunes. They've been oversubscribed.

WASHINGTON - The Director of the Mint, Eva Adams, tells Congress the mint's big coin production program is making headway against the coin shortage. But, she says, problems still exist as a result of such things as hoarding by speculators who offer coin for sale at a premium. She says the mint cannot take any legal action against such activities.

WASHINGTON - Republican congressional leaders called on President Johnson to make it clear there can be no negotiations until the Communists stop their infiltration of South Viet Nam.

CAPE KENNEDY - The flight control center at Cape Kennedy says the Ranger-VIII satellite appears to be on the right course following its launching from Cape Kennedy on a flight to the moon. If all goes well, Ranger VIII will crash-land on the moon Saturday morning. It is designed to take pictures to show more detail about the lunar surface.

HONOLULU - Plans have been cancelled for movement of 7,500 Marines from Hawaii to the west coast for maneuvers. They were to have joined in military exercises to be held next week, but a military spokesman in Honolulu says now the Marines won't go. There's speculation their participation in the west coast maneuvers was cancelled because of the Vietnamese situation.

LOS ANGELES - The Academic Senate of the California State College at Los Angeles has adopted a resolution of "no confidence" in Glenn Dumke, the Chancellor of all the state colleges. The criticism includes an order for a 1.8 per cent reduction in the salaries of state college faculty members.

WASHINGTON-Secretary of Defense McNamara, in his annual report on the U.S. defense, told Congress that the present situation in Viet Nam is grave, but by no means hopeless. Commenting on other items, he also said that it's unlikely Russia would spare American cities, at first, and hit only military targets in an attack on the United States.

WASHINGTON-Senator Everett Dirksen of Illinois contends it would be dangerous to our security to negotiate a settlement in South Viet Nam. It would, in the words of the Senate Republican Leader, diminish our prestige, weaken our position in that part of the world, and have a definite impact on the thinking people in other areas of the world.

SUMATRA-The U.S. Consulate in Medan, Sumatra, was stormed by some 700 communist-led demonstrators yesterday. The mob tore down the American flag, raised the Indonesian flag and made an unsuccessful attempt to seize the U.S. library.

STATE COLLEGES

New Sources Needed To Sustain System

The governor's 1965-66 budget message and its meaning to the California State Colleges indicates clearly that new sources of revenue must be found to provide adequate and sustained operational support for higher education in California, believes Glenn Dumke, Chancellor of the California State Colleges.

"To prevent California from slipping from its pre-eminence in higher education, the legislature is faced with a number of alternatives. I urge that these alternatives be carefully weighed in the light of their impact in continuing at its high level the magnificent system of public higher education which has been developed over the years," he added.

Dumke said that California's outstanding public institutions of higher learning have provided an opportunity for its young people unparalleled by any other state in the nation. He said the state's level of education has made a vital contribution to the nation's prosperity.

"The people of California, recognizing this contribution, have invested heavily in public higher education, consistently supporting bond issues for the continued development of classroom facilities to accommodate our surging population," said the Chancellor.

Dumke said, "We cannot allow the confidence of the people and need for excellence in higher education to deteriorate for lack of operational support." He said the state cannot fail to maintain top-level facilities because institutions in other states attract the best professors with higher salaries.

He concluded that he was convinced that some means of financing public higher education must be located if California is not to suffer serious consequences.

'Calamity Janes' To Organize Club

Rifle-poke'n' manna don't put that rifle down! In fact, how you like to have an opportunity to fire the darn thing in competition—even if you don't own one yourself.

The Women's Rifle Club is holding an organizational meeting Monday, Feb. 22 at 3 p.m. in Lib. 117. This activity is the first of its kind on campus and is open to all women students.

Training in the proper way to fire the .22 calibre rifle and practice for rifle matches are the featured topics. Advisor for the club is Mrs. Dean E. Anthony of the Women's Physical Education Department.

Sabbaticals Approved For 1965-66

Nine members of the Cal Poly faculty have been granted sabbatical leaves during 1965-66. Subject to budgetary limitations and final approval of the 1965-66 support budget, the leaves were recommended to and approved by Chancellor of the California State Colleges Glenn S. Dumke on Dec. 1, 1964.

Leaves for one year with half pay were granted to Miles Johnson, English and Speech; W. Boyd Judd, Mathematics; and Joseph Truex, Printing Engineering and Management.

Granted leaves for one-half year with full pay were Dr. Evelyn De Voros, English and Speech; Dr. Michel Frank, Social Science; Ralph Hoover, Animal Husbandry; Robert Matheny, Agricultural Engineering; John Rogalla, Farm Management; and Edward Stoffel, Mechanical Engineering.

During sabbatical leave, instructors may continue their studies, travel, or do a multitude of other personal activities. Sabbaticals may be granted once every seven years, normally.

EDITORIAL PAGE

Has Student Affairs Council been laying down on the job lately?

This editor finds this a pertinent question in view of an action taken at last Tuesday's council meeting.

Paul Sultzbach, Finance Committee chairman, brought before SAC a recommendation to increase both the income and expense of the Poly Royal Publicity Committee by \$2,030. The money would be used to publish a special brochure concerning Poly Royal, which would be sold during the festive weekend.

Only one question was raised when discussion was called for, and that was a query as to what would happen if all the brochures were not sold, thereby handicapping the committee in realizing its projected income. Sultzbach answered by saying that the committee was hoping to be able to sell the brochures during next year's Poly Royal.

A motion to accept the recommendation was passed unanimously.

It is not the purpose here to question the worthiness of the cause in being granted the large sum, but rather to question the attitude of the Council in blatantly passing the recommendation.

Perhaps SAC members have such confidence in Finance Committee's recommendations that no questions were necessary, but this hardly seems possible in the light of last week's council meeting when a recommendation to increase the expense account of the Poly Royal Aquacade by \$70 received a thorough oral investigation by council members.

Were there no doubts as to the possibility of "going in the hole" as a result of this expensive venture?

Was no one curious as to the price to be charged for the brochures?

Why didn't someone ask why this allotment had not been included in the budget submitted to Finance Committee last year?

Didn't anyone want to know how the \$2,030 was going to be used? What the brochure would be like—what it would contain?

Or did everyone simply take the attitude that a brochure for Poly Royal is a great idea—it sounds fine—so let's pass it?

Granted, the \$2,030 that SAC was playing with is merely a four digit figure on the books, and even if a loss is realized it is not a material one. What is of concern is the fact that the members of our governing body did not see fit to question the proposed plan for use of the money or even if that amount was actually needed.

Was this the action of a responsible group? I believe not!

Toni St. Onge
Managing Editor

Campus Capers

SKI CLUB

Two Cal Poly Ski Club members made good showings at a recent ski trip participation in the annual Silver Ski race put on by the "Fresno Bee," a Fresno newspaper.

Mary Speer, an Electronics Engineering major from Leavenworth, Wash., ranked sixth out of 40 participants in the class "C" division and was in the top 25 percent of the entire meet. Sharon Burnap, an Animal Husbandry Major from Azusa, placed third in the women's class "C" division.

Thirty members went on the ski trip to Yosemite. According to Jock Chapman, Ski Club president, the next ski trip is to Squaw Valley and it is scheduled for over the quarter break. Sign ups will be in the first week of March.

PRESS CLUB

Cal Poly Press Association members journeyed to Allen Hancock College in Santa Maria Wednesday evening to hear a speech by Harrison Salisbury, "New York Times" correspondent. Salisbury, who was the "New York Times" Moscow correspondent, was barred from the Soviet Union for five years. His speech took place Wednesday evening was "A New Look at Communism."

BOOKS AT HIGH NOON

Tuesday's Books at High Noon review at noon in the staff dining hall will be presented by Mrs. Erna Bowman of the Education Department. She will review "Picasso's Guernica," a book written by Rudolph Arnheim. In this book, Arnheim thoroughly investigates both the painting, the Guernica, and the artist, Picasso. Mrs. Bowman will show the Guernica itself along with her review and perhaps will have available developmental sketches of the great painting.

CU FILMS

Tonight's College Union sponsored film at the Little Theatre on campus will be a Walt Disney color film entitled "Pollyanna." Haley Mills costars with eight other top stars. She plays the part of an orphan girl with an upbeat philosophy which touches the hearts of a group of cynical adults.

Tomorrow night's color film is "Pepe." The top star cast includes Shirley Jones, Maurice Chevalier, Bing Crosby, Bobby Darin, Sammy Davis, Jr., Jimmy Durante, Zsa Zsa Gabor and Cantinflas, a top Mexican comedian. The showings for both movies are at 7 p.m. and 9:30 p.m.

'Little Report' Reviews Junior College Problem

(EDITOR'S NOTE: This is one phase of the results of a \$50,000 study by Arthur D. Little, Inc., management consultants, on education leadership in California. Requested by the State Board of Education and already the center of controversy, the report is expected to result in a series of new studies on how California's education efforts can be improved. Some observers have called it the beginning of the first master plan for elementary and secondary education in California.)

Of the three levels of education which would be affected, California junior colleges have the most immediate stake in the Little Report's proposal to reorganize the State Department of Education.

Hybrid drawing tax support from local districts with at least theoretical local control, but also drawing state support as part of the secondary school system on an average daily attendance (n.d.a.) basis, but also a segment of higher education, the junior colleges' character and function for decades to come could be affected by the new "shape" imposed on the department.

The junior colleges' concern is immediate in a sense which does not apply to the elementary and high school levels because already a move is afoot in the department to make interim changes in the Division of Higher Education for the junior colleges' benefit.

This shift, precipitous by comparison with the deliberate speed being made toward the over-all reorganization, was initiated over the State Board of Education's protests by Dr. Max Rafferty, state superintendent of public instruction, to forestall a rumored intention of the Legislature to put the junior colleges under a statewide administration similar to that created for the California State Colleges.

Experts of Arthur D. Little, Inc., who interviewed junior college administrators on the subject, found them in substantial agreement with the Legislature's conviction that the department is not adequately meeting the needs of the junior colleges.

The Little Report states that the junior colleges are operating as expected under the state's Master Plan of Higher Education, but the interviewers found widespread concern among administrators over the true identity and role of the institutions.

Back of it was a sensitivity to junior college status vis-a-vis the four-year colleges on the one hand and the high schools on the other, primarily in relation to manpower training and retraining functions.

Specific questions on which the junior college administrators feel help is needed include how best to effect curriculum coordination with the state colleges and universities; the junior college role with high schools and

employers in providing vocational education; which institutions should have responsibility for manpower retraining and development and refresher programs; for the best use of facilities and facilities, should all junior colleges offer essentially similar programs or should they specialize; and, should the junior colleges be involved in teacher in-service education, and if so, how?

Not only did the administrators feel the department is an inadequate source of help in answering these questions; they also were dissatisfied over the physical dispersion of junior college affairs across a number of offices in the State Department of Education.

Rafferty's interim reorganization of the Division of Higher Education is expressly designed to eliminate that complaint.

In considering long-term adjustments, however, the administrators faced up to an intricate dilemma.

"They recognized that a state-

wide junior college board could give them better representation before the Legislature, the State Board of Education and the public, and in their relations with other components of the public education network. On the other hand, they feared such a board might also become an unwanted source of control and regulation instead of a source of help through research and developmental assistance.

Also involved in the question of maintaining local control, such as it is, under the thumb of such a statewide super-body, and of retaining community objectives in individual institutions when all would be subject to the same overall administrative authority.

The consensus of the administrators, according to the Little Report, is that they would prefer, as an interim, experimental measure, strengthening the Department's Division of Higher Education instead of going to the statewide board concept.

X-CHANGE

UNIVERSITY OF NEVADA — Campus aggies will be painting fence posts. Alpha Zeta, the honorary agriculture fraternity, will earn money and at the same time improve the college's facilities by painting the fence posts on the university farms. This project will help finance Alpha Zeta's delegates' trip to the annual convention next summer.

Sagebrush

COLLEGE OF SAN MATEO — Seven students aided the Red Cross in cleaning up the Northern California flood area. The group's first job was squeezing six inches of mud out of a motel. "You wouldn't believe it," one student said. "Each time you would squeeze, it seemed as though more mud came back." The motel had just been cleaned up from the first flooding when high water inundated it again. "We saw one place two whole blocks from the river where, at the height of the flood, people had been rowing over five little housing units there."

The San Mateo

El Mustang

CALIFORNIA STATE POLYTECHNIC COLLEGE



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Mailbag

Editor:

What is a cheerleader? What is the duty of one? Now, we think it imperative that it is made clear from the very first we are not discussing "song girls," or from the very first we are not discussing "song girls," or "pom-pom girls," or, for that matter, any other type of girl (and dear Cal Poly proudly boasts quite a few in that latter category), for these girls have their place in any sport. The sport in this case is basketball. And the place is a pleasantly necessary one, we hasten to add. But it was cheerleaders which moved us to this catharsis and we digress.

Recently, Our Own, our Champions of the Hardwoods, hosted the quintet from the University of San Diego. It is history now that the Mighty Mustang was victorious, with the aid of an overtime period and quite a few well directed jump shots. There was no small contro-

versy over the job of officiating turned in by the habitually unpopular zebra-clad corps, also. We even heard one fuzzy-chinned freshman so bold as to describe their labors as, "quite unsatisfactory!"

Well, if the officiating was poor, the "cheerleading" was appalling! While the assembled voters were fed less than five-times in yells of the "Go-team-go, light-teamlight, booh-booh!" variety, they were constantly encouraged in rounds of boing. They boomed most anyone and everyone whom they decided was in line for such attention at that most opportune time. Most everyone was, at one time or another. We were especially disappointed at the rarely witty and often distasteful remarks directed at one of the most renowned names in the field of basketball coaching, Phil Woolpert led his University of San Francisco teams of 1955 and 1956 to two consecutive national

championships. Along the way his teams amassed sixty (60) straight victories. He was to receive the NCAA Coach of The Year award for this. But this only intensified the fervor with which our "cheerleaders" hurled their catcalls. — They named their METAPHORSEN!

Why don't we try—at least once—a little cheerleading instead of the "jeer" leading which we're now being treated to? It's kind of comy, but how about something when one of our beloved Green-and-Gold clad knights fires one through the hoop? And maybe boistrans, "Fight, fight, fight!" if our warriors seem to be willing under the strain of competition. And maybe we could even season it throughout with a tired-and-true "Give 'em the axe, the axe, the axe". Who knows? Maybe they will. Right in the neck, the neck, the neck!

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Students Report On Foreign Study

Sweden

EDITOR'S NOTE: The following article is a letter received by El Mustang from Steve Canada, senior Social Science major, who is participating in the California State Colleges International Program. Steve has been studying in Sweden since last September. He urges Cal Poly students to apply for the International Program.

Studying at Uppsala University in Sweden with the Program is a strange combination of the American and European systems. Classes do not meet quite as often as we are used to, and the outside reading, required and suggested, is as you have never seen. But we all adjust to whatever we are asked to do, if we are indoctrinated early enough and spoonfed enough and isolated from certain ideas enough, ideas you will not be exposed to because some speakers are not permitted to speak on your campus, you are afraid of their ideas.

While studying with the program, you may take any course you would like in the University. Legislation for the exchange students is as a regular University student, but done separately, in American groups. There are a few courses offered in English, such as American Literature, physics and mathematics. Some courses are also taught in French. Most courses are given in Swedish. Some courses are also offered outside the University and the fees are reasonable. Anything from guitar to Italian is offered; usually about \$10 (about 50 kronor) for a 12 week course.

Uppsala University's enrollment does not seem to be 15,000 stu-

dents. One hardly sees more than a few hundred a day. Uppsala is a town of 80,000, spread out and seems about the size of San Luis Obispo.

There is no actual campus so it is difficult to conceive the size of the university. It is well integrated with the city and is an important and integral part of it.

Separate institutes are scattered around the town, generally located around the main university building. Classes are held in the main building and in the various institutes, representing the numerous colleges of the university.

There is no cookbook or nice, neat, packaged procedure for studying at a foreign university. Most things are done first impromptu and then one eventually establishes a pattern or schedule. The organization of the program is adequate. There are group meetings each week with the program advisor, Dr. Wasserman, of San Francisco State.

The foreign flavor of the total environment loses its taste after a short time. All soon becomes home and one adjusts to the new life. The differences between America and Europe cannot be seen by physical comparison of the two countries, but only an individual mental comparison. An American's impression is different from a European mind. These differences must be witnessed, encountered and lived with to appreciate them to any small degree.

Not all Sweden is ski or ice-skate. The student dances are different than what we are used to. Sweden are not all blond as we imagine them. There are many unquestionably beautiful girls and women. Swedes are generally tall people.

If you are doubtful about studying abroad, first ask why not. What is eight or ten months in your young life? Most courses here are accepted by Poly. This experience could be valuable to you. Money can be earned, or borrowed. The total expense is not much more than a year's expense at Poly. Sweden is the most expensive country in the program. Graduate students are located at Stockholm University.

Christmas vacation was about a month long and Easter will be two weeks. Most of the American students went to various countries in Western and Eastern Europe, including the USSR. Some students stayed with Swedish families. Swedish food is delicious.

Over Easter vacation, in April, a student tour will spend two weeks in the USSR, in Leningrad and Moscow, via Helsinki. Most of us will go. It will cost about \$180, including room and board and transportation.

At the end of the academic year we have two choices: sail from Rotterdam soon after school ends, or fly from Paris at the end of the summer.

It is surprising how easy it is to get here. The San Francisco office of the program instructs you. If you follow its directions and advice, the process is quick and simple. You can only reap the benefits of experiences by doing them. You only live life by living. If you plan to limit yourself and your experiences and living within the borders of your own county, state or country, you have limited your life on this small earth to intolerable boundaries.

Japan

EDITOR'S NOTE: The following is a letter to interested Cal Poly students from Gale and Ann Hurley, currently at Waseda University, Tokyo, under the California State College's International program.

We have many impressions to share with you, and will try to put them down in this letter.

Concerning the California State College program at Waseda University, not all of our comments are favorable, but most are. Being an experimental group, adjustment was somewhat difficult as we had no predecessors to learn from. Arriving before the University term starts would be better than starting two days after arrival as we did.

The adjustment, in any case, does not pose insurmountable problems. As of now, the courses offered are geared strictly for under graduate work which is good for our kind of group.

Later, however, the International Division at Waseda may expand to include graduate courses. This is the main thing I think should be made clear to Cal Poly students interested in the program. The offerings are flexible enough to

fit into many undergraduate requirements, but they do not, offer any graduate credit courses at all.

As to clothing, we find we brought too many impractical things. A lot of walking requires sturdy, warm shoes—at least two pairs. One pair of dress shoes is adequate. Warm clothing is a necessity; one should include long underwear, wool gloves, wool scarves, long socks, leotards, warm boots, one heavy coat and a raincoat. One good dress or suit is adequate. Practical clothes are most important.

Japanese homes have no heating and you wear as much inside as outside. Don't bring anything white or anything of value. Most of Tokyo is under construction and, therefore, always dirty. Toilet facilities are a shock, so be prepared.

The prices of goods in Japan vary with the quality as they do in the United States. Food and transportation are cheap, and the cheap food is strictly Japanese.

If you want to eat like an American, you must pay for it. Most of us brought around \$300 for spending and have about one-third left. This does not result from extravagant buying, so this may give you some ideas of what to expect. We all wish we had brought more. A lot of our money goes for food because we get tired of rice and fish three times a day, every day.

All in all, we have found the people to be warm and friendly and anxious to learn about Americans and their country. Japan is a beautiful country and learning the culture, language and seeing the country are invaluable experiences.

All of the students have been fortunate to have been placed in wonderful Japanese families. This opportunity has enabled us to gain a better insight into the ways of thinking and the customs of the people.

We all encourage those interested in this type of program to make an endeavor to consider the Japanese program—in part, because it is so different from our culture.

As for oriental reading, all the following are helpful and available in paperback: "Japan, Past and Present" by Reischauer, "Religions of Japan" by Bruce, "A Modern History of Japan" by Storer, "Japanese Inq" by Statler, "Jap-

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Aero Major's Bride Is 'Mrs. Engineering'

BY KAREN KINSMAN

Your husband brings you home flowers and candy for the first time in ages and for no apparent reason. What is your reaction?

With an answer of, "He loves me," Deanna Rogers, 21, bride of five months, captured the crown of "Mrs. Engineering 1965."

Deanna, whose husband Mel is a junior Aeronautical Engineering major, added to her response, "I wouldn't be a bit suspicious."

In a pageant held Monday evening in the Snack Bar, 13 candidates representing various engineering departments vied for the crown. Interviews with the five judges and situation-type questions were all part of the evening. Among Mrs. Rogers' activities in the Aero Wives Club which selected her as one of its four candidates for "Mrs. Engineering."

"I remember thinking, 'Oh no! What a waste!' when they told me I was nominated," Mrs. Rogers recalls. "I never thought I'd win, but I did think it would

be a good chance to represent the engineers."

The highlight of Engineering Week, Feb. 21-27, will be the crowning of "Mrs. Engineering" at a banquet on Saturday, Feb. 27, at 6:30 p.m. in the Staff Dining Hall. A perpetual trophy in her honor will be given to her husband's department.

She will appear on television, the KVEC "College Hour" and will be introduced during the symposium on Monday evening.

Deanna, who is earning her PHT (Putting Hubby Through) by working as a title secretary at a local insurance company, confesses her question was really pretty easy to answer. It seems as though on Valentine's Day (the day before the contest), for the first time in ages, Mel came home with a bouquet of flowers and a box of candy.

"And you know," Deanna added, "I wasn't the least bit suspicious. He loves me!"

Woman Author Will Speak To Press Club

A well-known woman author, humorist and essayist, Helen Waite Papashvily, will be guest speaker at a special meeting of the Journalism Department's Press Club, March 4 at 7:30 p.m. in Ag. Eng. 123.

Press Club president Ed Stepanek said the meeting will be open to the student body.

Mrs. Papashvily and her husband George are co-authors of several well-known books that became best sellers, including "Anything Can Happen," "Dogs and People" and "Thanks to Noah." George Papashvily, an immigrant from Russia in the 20's, has since become a famous sculptor. Some of his art is now on display at the Nyback-Paradise Art Gallery in Cambria.



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John Stangland B.S. in Bus. Admin., San Fernando State.

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Max Grosser A.B. in Economics, San Diego State.

Max's first assignment was to undertake the position of Section Supervisor in the San Diego Accounting office. In this job he supervised six management and 65 non-management women. Job well done? Max was promoted to the next level management and now is in charge of Reports and Results for the same office.



Raymond Owens B.S. in Mechanical Engineering, University of California.

Responsibility was Ray's from the start. He was asked to prepare a study of the power requirements for the first of a new type automatic telephone center. To do this he had to determine how the equipment would fit in the allocated space and then engineer the job. It was a major project—with a working budget of over \$85,000.



Jim Burk A.B., Stanford University; M.B.A., University of California.

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Wrestlers Ranked Number Two Nationally

Mustangs Meet Diablos, 49'ers

With only three games left in league play the Mustang hoopers will be fighting to improve its conference record when they meet San Diego State tonight and Cal State Long Beach tomorrow night. Both games will be played in the Men's Gym.

San Diego will be without the services of their all-league guard Jack Shawcroft and will be relying on the services of Larry Moeke, the eighth leading scorer in the league.

Long Beach will be led by forwards John Rambo and John Barnicoat along with newcomer John Chambers.

Chambers in his first two starts

Tennis Workouts Already Started

The Mustang netmen have unofficially begun their work out for the upcoming season.

According to Coach Ed Jorgensen, "Quite a few students have shown an interest and we should be stronger than last year."

Last season the Mustangs finished in fifth place, just ahead of last place Fresno State.

Returning lettermen for Cal Poly are: Mike Moore, Tim Healey, Bryan Ogden, and Ken Kilborn. New players that Coach Jorgensen expects to do well are: Doug Vossbrinck, Jim Green, Pete Young, Bud Anderson, Pete Robinson, John Williams, Dale Clausen, Steve Cornow, Richard Beaumont, and Mike Burns.

Cal State at Los Angeles won the California Collegiate Athletic Championship last season, and they are expected to repeat their victory again this year.

"Although," Coach Jorgensen said, "The conference is strong this year and several teams have a chance to win it."

Pictures of tennis players are scheduled for this afternoon at the courts.

for the 49'ers hit on 73% of his shots, and is expected to give the Mustangs trouble.

Leading the Mustangs cause will be Norm Angell, Bob Gravett, Curtis Parry and Ernie Bray.

Gravett and Bray have been playing good ball the last few games and along with Parry and Angell could pull the Mustangs out of the cellar. And put the 49'ers in.

Gym Squad Goes South

Coach Vic Buccola's Mustang gymnasts will travel south this weekend to meet the Long Beach State 49'ers and the University of Santa Barbara Gauchos in a triple dual meet tonight and the San Diego State Aztecs tomorrow night.

Long Beach, last years state college champion, is lead by Mini Inouye and Bruce Foot, two of the finest gymnasts in the conference.

Inouye was last year's state college champion on the rings, and at the UCLA Invitational he took first place in that event and third place on the long horse.

San Diego has two top gymnasts in Dennis Johnston and Skip Spindler.

Johnston has been performing well on the high bar all season and is expected to bring in his share of points tomorrow night according to Buccola.

The Mustangs will be back at full strength tonight with the return of Mike Wilson and Gary Schoolfield. They are expected to furnish plenty of points in the three matches.

Coach Buccola said that "the competition will be tough and if the team expects to win they will have to do their best routines of the season."



SECOND IN NATION . . . The Mustang wrestlers get ready for Saturday's meet against San Fernando Valley. The squad (l to r) are: (bottom row) Vaughan Hitchcock, Mike Remer, John Garcia, John Arnold, Mike Ruiz, Hubert Christanson. (top row) Calvin Herbst, Phil Sullivan, Harvey Wool, John Miller, Jim Teem and Sam Cereceres. (Photo by Beal)

Sports Calendar

Friday, Feb. 19

Varsity Basketball - Cal Poly vs. San Diego State College at Cal Poly, 8 p.m.

Basketball (F) - Cal Poly vs. Hancock College at Cal Poly, 8:45 p.m.

Gymnastics - Cal Poly vs. Cal State College at Long Beach at Long Beach, 7 p.m.

Swimming - Cal Poly vs. San Fernando State College at San Fernando, 4 p.m.

Saturday, Feb. 20

Basketball - Cal Poly vs. Cal State College at Long Beach at Cal Poly, 8 p.m.

Basketball (F) - Cal Poly vs. Kincaid's City Team at Cal Poly, 8:45 p.m.

Wrestling - Cal Poly vs. San Fernando Valley State College at Cal Poly, 3 p.m.

Gymnastics - Cal Poly vs. San Diego State College at San Diego, 7 p.m.

Mustangs Hope For Top Spot In Conference

Coach Richard Anderson's swimmers will open their season against San Fernando State today in the Matadors pool.

According to Coach Anderson, "Some areas should be stronger this season than last year." He continued, "There are many new boys this year and we will have to wait and see what happens."

Some of the freshmen who are expected to do well for the Mustangs are: Larry Toombs, from Bakersfield, who swims the individual medley and the distance freestyle; Dave Meurer, a freshman who specializes in the Butterfly; and Hank Biddles, a San Luis Obispo swimmer whose speciality is the distance freestyle.

Many of the swimmers have already improved their previous best times, and Coach Anderson hopes for a better showing than last year's fifth place finish.

At one time during last year's season the Mustangs were in second place, but due to a disqualification in one meet, they were dropped to fifth place.

The traveling squad for the San Fernando meet will be backstroke, Tom Bishop, Don Drew, and Wayne Griffin; breast stroke, Ed Heinrich, and Rick Nelson; butterfly, Meurer and Phil Heintz.

Mustangs Last;

Matadors on Top

The Mustang basketball suffered two losses last week at the hands of Cal State at Los Angeles 95-86, and San Fernando Valley College 106-92.

The Diablos were edged by Fresno 79-78, while the Matadors were riding into first place with a win over Fresno State 77-69 and the Cal Poly victory.

The player of the week was Matador Roger Guinn. Guinn received the honor for holding the league's leading scorer, Lonnie Hughey (24.2), to 13 points while Guinn tossed in 12 markers and captured 14 rebounds. All this despite the fact that he played the entire second half with four personal fouls on him.

CCAA STANDINGS	W	L
Fresno State	5	2
Valley State	5	2
Cal State Los Angeles	4	3
San Diego State	3	3
Cal State Long Beach	2	4
CAL POLY (SLO)	1	6

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Grapplers In Afternoon Meet Against San Fernando Valley

Fresh from crushing Santa Barbara 31-2, the Mustang wrestlers return to action with a 3 o'clock encounter against the San Fernando Matadors in the Men's Gym.

The Matadors have several good men in their squad according to head coach Vaughan Hitchcock. One of the best is John Owens, a 137 pounder.

Owens has compiled a remarkable record of ten straight victories by pins (As of Jan. 29). The powerful Matador will face Mike Ruiz.

Ruiz finally lost a match this year as he fell to Art Beatty from San Jose State 5-2. Beatty, who also had been undefeated prior to the match took advantage of the tired Ruiz to post the victory.

Hitchcock remarked that "Ruiz will beat him if they meet again. He (Ruiz) was just tired because he had to work out a couple hours before the meet to make weight."

The problem was caused when the scales at Fresno State were off. Five of the wrestlers, John Garcia, Ruiz, John Arnold, Sam

Cereceres, and Dennis Cowell had to work out before they wrestled UCLA, San Jose, and Oregon.

This extra workout, Hitchcock says, was the reason Ruiz was slow.

Ruiz said, "I wanted to move, but I just couldn't." The Hayward grappler was looking forward to meeting Beatty in the nationals.

After the San Fernando Valley meet the Mustangs will participate in the CCAA league finals at Long Beach.

Hitchcock reported that, "This is his finest collegiate squad." Hitchcock added that he doubted this years team could better the tremendous record last years squad set.

The 1964 team had seven conference champions out of a possible ten. They also scored a record 98 points in capturing the league crown.

Hitchcock would especially like to win the conference championship because this would enable the entire team to participate in the national events.

Grapplers Defeat San Jose, UCLA, Oregon University

What's Green and Gold and ranks as the second best in the United States? Give up? Well, it's the Mustang wrestling squad.

The vaunted grapplers are ranked as the No. 2 wrestling (college) squad behind powerful Minnesota State in a recent poll.

Here is a sampling of why Cal Poly's wrestlers are No. 2. Last weekend they not only clinched their second consecutive championship by whipping Fresno State 23 to 5 (Fresno was ranked No. 5 nationally), they also blasted three of the biggest schools on the Pacific Coast.

The Cal Poly squad put down the University of Oregon (20-7), San Jose State College (20-6) and then tanned hide by whipping the

UCLA squad 24-6. Not bad for a weekend.

The victories stretched the Mustang record to 12 and 1.

Cal Poly's record is all the more remarkable when you realize they have a 190-pound heavyweight wrestler, Calvin Herbst, a sophomore from Alamo, has wrestled several times this season giving away as much as 50 pounds in the rugged heavyweight division.

The Mustangs, under the coaching of Vaughan Hitchcock have also entered three tournaments this year.

They took the Arizona State University tournament, the UCLA tournament and placed second in the Naval Training Center Invitational.

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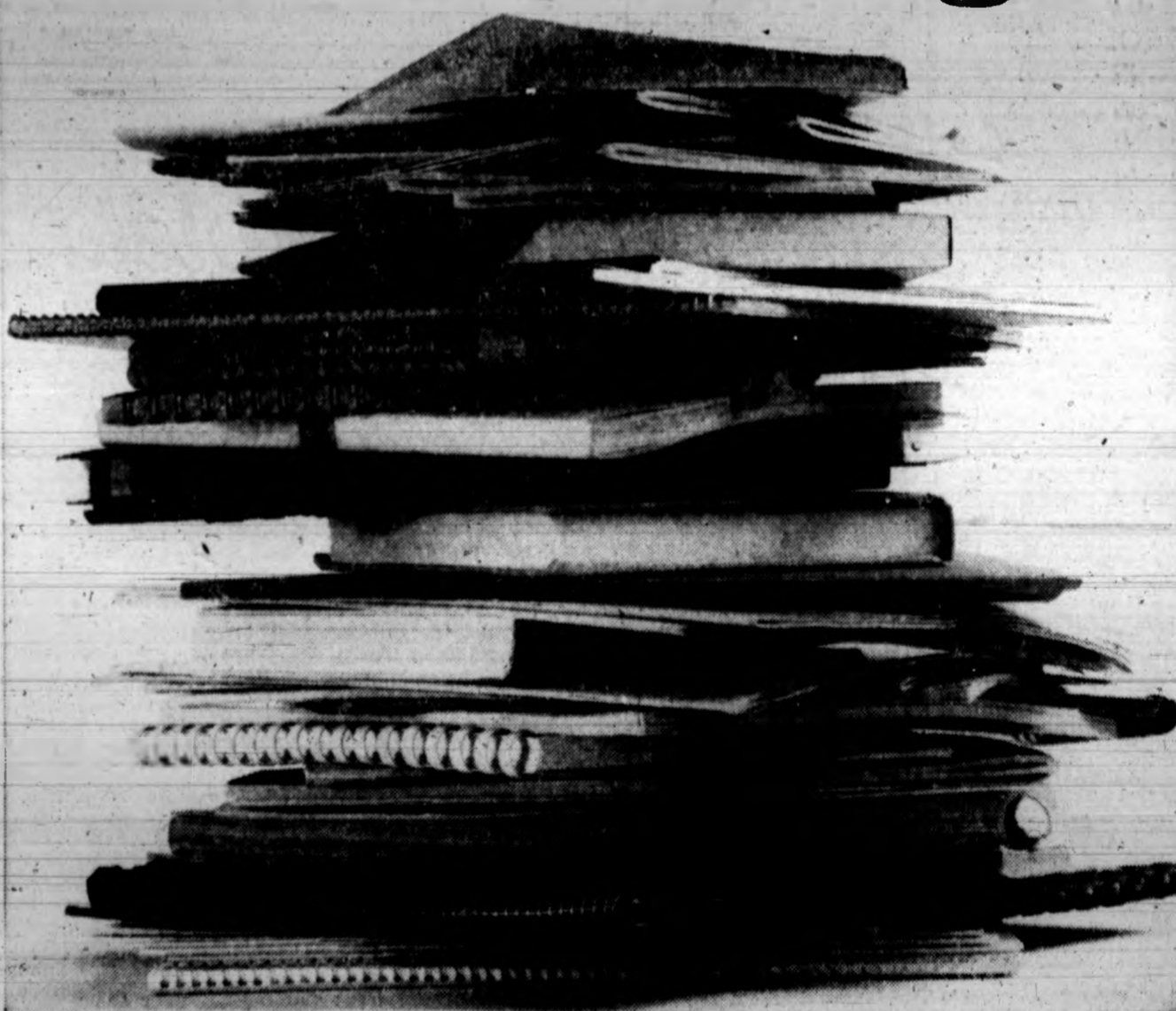
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Good reading



You're looking at the intelligent product of one week's work. (Some might be in your campus library.) They're technical bulletins written by some very talented scientists and engineers at the Jet Propulsion Laboratory. JPL people write over 500 such documents each year. Documents with titles like "Evaporation Effects on Materials in Space," and "Simple Guidance for Deep-Space Booster Vehicles." Pretty heady stuff.

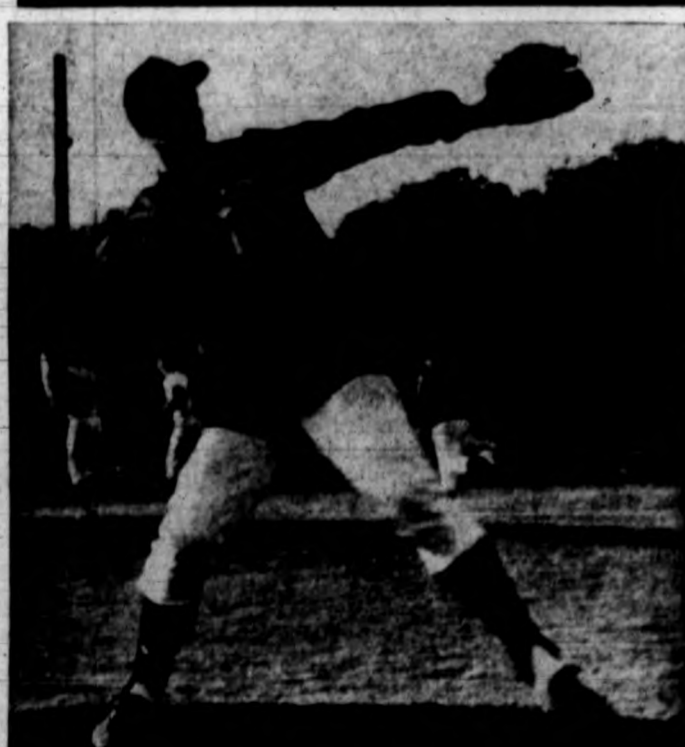
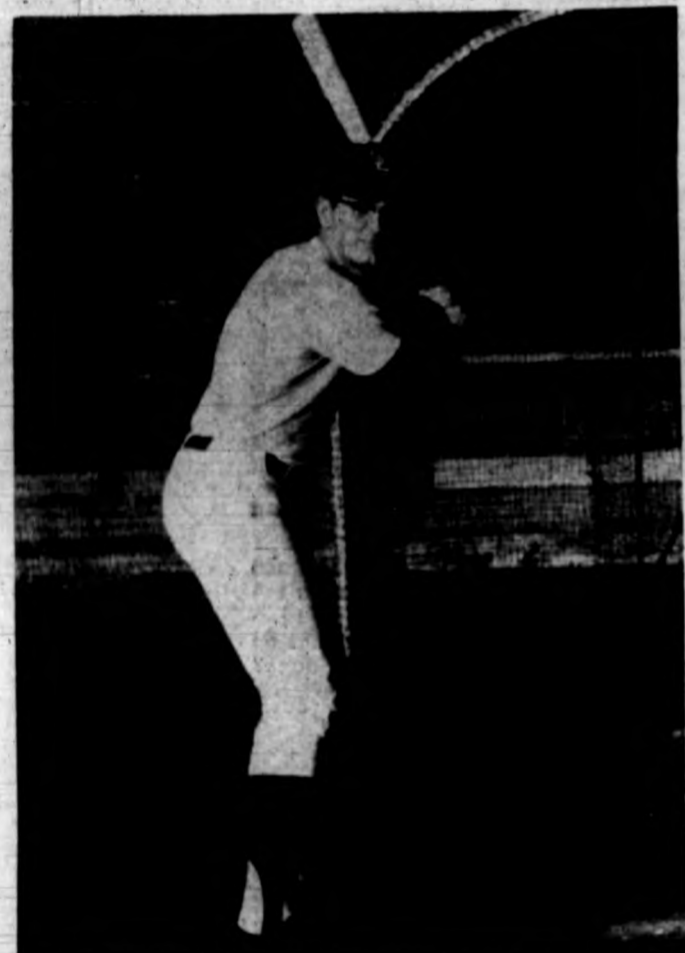
But then designing spacecraft to reach the Moon and

planets is a pretty head-y assignment. And it takes a lot of bright people to make it happen. Where do these bright people come from? Better colleges and universities around the country. Yours, for example. Why not sign up for an interview with a JPL man? Besides working at the most fascinating job in the world, you'll also have lots of good books to read.

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POWERFUL SQUAD . . . Jim Blanks (upper) and Steve Fox will see service next Friday as the Mustang basketball squad battles the Santa Barbara Gauchos. Blanks will hold down the third base spot while teammate Fox starts on the mound. Fox is a first string all league hurler and leads the strong Cal Poly pitching staff. March 5 the Mustangs will battle the California Lutheran University in a double header. March 9 the College of Sequoia team will be here for a 2:30 tilt. (Photos by Hawkfist)

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