Many man-hours are spent in supervising construction of the Interhouse Dance.

**Pollers measure campus opinion**

The Caltech YMCA and the Humanities course in Political Parties are conducting a survey designed to provide an accurate and clear political profile of campus opinion. Dr. James C. Davies is coordinating the effort; Norm Ellett is chairman.

As of last Friday, about 200 completed questionnaires were returned. This leaves over 200 still outstanding.

Asked to comment on the validity of the poll, Dr. Davies stated: "It is extremely important for accurate statistical analysis to have all ballots completed. The people to whom the polls were sent were chosen randomly from master lists obtained from the Registrar's Office. If one of them with certain political views fails to return his questionnaire, this will give added weight to questionnaires of those with opposite views." These questionnaires should be returned to the office.

Members of the political poll committee are trying to personally contact the delinquent persons and obtain completed questionnaires from them. This task must be finished by tomorrow if the results are to be tabulated in time for publication before the November 6 elections.

**New houses up by 1958**

The housing shortage, at Caltech will be over by the fall of 1958, according to W. "Buster" Stein, director of Physical Plant Department. Two new student houses, accommodating a total of 560 men, will be opened then. These will provide enough room to end the overcrowding in the present facilities and to allow all applicants for student housing to live on campus.

No wash basins

Although the new buildings will be of the same size and character as the present houses, they will differ in many details of architecture. Located just north of the Olive Walk, they will be three stories high and modern in design. The rooms will all be double, and will not be furnished with wash basins. Also missing will be the small kitchettes. The houses will have separate court yards, lounges, and dining rooms, but will be serviced from a central kitchen.

**Student Union**

Present plans also include a student union, connected to the new houses by the central kitchen. Throp Club, YMCA, and the Book Store will be located in this building.

**Psychiatric aid now available**

Students who need help in problems of an emotional or mental nature should see their appropriate dean for referrals to Dr. Daniel C. Siegel. Dr. Siegel is a psychiatrist attached part-time to the student health services, with an office in the Health Center. For emergency cases students can make special arrangements to see Dr. Siegel through the student health services.

Since Dr. Siegel's time on campus is limited, referrals are turned over to the campus mental health clinics. Graduates are referred by Dean Strong, freshmen; Dean Stringer, sophomores; Dean Bohnhuis, graduate students; and the student health services, to whom students may go directly.

Dr. Weir, formerly Director of student counseling, is now engaged in full-time teaching and research, and is no longer available for direct assistance to students or faculty members.

**Techmen shudder as time for Interhouse draws near**

More students may eat night meal in houses

A plan has been formulated whereby off-campus students may reserve their evening meal on campus. According to George Green, comprimier, and Edward Dell, chairman, dinner will be served on a five-day-a-week plan at the trained table in the basement of the student house.

Too many freshmen

This feature has been much more than ever before have been refused residency in the already overcrowded student houses. The many freshmen who applied after their poll last year, voted to increase the number of non-resident freshmen in an attempt to preserve each house's individual color and spirit in the face of ever rising number of members. The student house dining rooms are too small to seat all those who would like to eat there. The Gresy Spoon tables take care of breakfast and lunch but there are at present no facilities for an on-campus supper.

**Five-meal plan**

The new plan calls for five meals a week at $1.10 per meal until the end of the term. The meals will be served at 6:30. There is no plan to go into operation this Wednesday. If no off-campus students are in the house, it is suggested that they see Mrs. Southworth in the student health services.

Other places suggested for the serving of the meals were the lounge, the dormitories, but these alternatives proved to be not feasible.

**Y Lounge will stay open nights**

November 1, 1958, is the closing date for applications for graduate and undergraduate awards for study in Mexico during 1957. It was announced today by Kenneth Holland, President of the Institute of International Education, 1 East 67th Street, New York City.

Sixteen awards are offered by the United States Commission on Cultural Cooperation, for the academic year beginning March 1, 1957. Eligibility requirements are: good knowledge of Spanish; good academic record (and professional record if the applicant is in professional work); moral character, personality and adaptability; and good health. Preference will be given graduate and senior students. Only junior and senior year students are eligible to apply for undergraduate scholarships.

Candidates should apply to the California Institute of Technology, 1200 E. California Boulevard, Los Angeles 65, California, at least two months in advance of the closing date for applications. Full information about the awards can be obtained from the office.

**Aid for study in Mexico**

**Chamber-concert in Ricketts tonight**

As a special feature, a concert of representative chamber music will be presented this evening at 8:15 in the Y Lounge. Thomas String Quartet will perform.

First on the program is the Sonata a Quattro by Scarlatti. Following this are two quartets, the Quartet in D Major, K 575, by Mozart, and the Quartet in C Minor Op. 18, No. 4, by Beethoven.

The Thomas String Quartet is only one of many groups coming to Caltech this semester, the other being the regularly scheduled regular Sunday evening concerts in Dally Lounge. An estimated 150 students and faculty attended the last program.

**He made it!**

Richard N. Van Kirk was elected to the Commission last Thursday to replace departed Charles Borne. He was installed at last Monday's BOD meeting.

Running close second and third in the recent election were Linus Pauling and Charles Rowley; both write-in candidates.

**Ricketts is going to put a giant on the yard**

Second Round: Yeh?

Second Round: Who are the Ricketts Social Chairmen?

Second Round: Godfrey and Taylor.


Second Round: Well, I put those millions of dollars to good use.

Second Round: We knew him here in Pasadena, he's not new.

Second Round: Weeell, go ahead and put it in; it doesn't matter.

Second Round: What are you going to have in the lounge besides a table.

Second Round: Oh, furniture and stuff. All double scale.

Second Round: Is that all?

Second Round: (with deep conviction in his voice): We don't want to talk about that.

Second Round: (at the end of this line): You've got to leave enough, you can't leave enough around. You might pass this on to the other Social Chairmen. It's no good when people are packed together and can't talk.

Second Round: It sounds exciting to me.

Second Round: Yeah. You might tell the other Social Chairmen.

Dabney

Dabney: Hi, Norm. What's Dabney going to do? (Continued on page 3).
Board of Control modifies
Honor Code for master keys

Last week, the Board of Control met in both closed and open sessions to consider the question of after-hour entry into campus buildings and master keys. The decision reached is somewhat different from that of the Board last year, and therefore should be made clear to the student body.

The ruling of last year's Board on master keys has not been changed. The possession of an unauthorized campus or house master key is a violation of the Honor System. With regard to entry into campus buildings after the doors are locked, the Board of Control feels that this cannot and should not be enforced through the Honor System. This is not to imply that the BOC endorses the picking of locks, but rather that we feel that this should not be enforced by the student body.

The possession of a master key tends to make the importance of a locked door relatively insignificant in the mind of the person using the key. The habit of using a master key without stopping to think about the lock is not generally looked upon with favor in the outside world and can lead to difficulties in the future.

The final point of difference is in the working of the Honor System itself. If a ruling is not generally accepted, or if its enforcement is questionable, the Honor System is in danger of weighing itself down with rules, and eventually failing entirely. The possession of master keys has been generally curtailed since last year, and the great majority of students agree that the ruling is a just and correct one. However, because of a great many protests over the ruling last year putting all after-hour entry under the Honor System, and since this rule is, to our way of thinking, unenforceable from its very nature, the rule has been dropped.

There are very few specific rules under the Honor System. However, one is made habitual. When a master key is lost, it should be made clear to everyone that if the Honor System is to operate effectively, only by the full understanding and cooperation of everyone can any such system be continued. Consequently, if you have any questions regarding master keys or entry into buildings, do not hesitate to talk to any Board of Control member at any time.

Rube Moulton
ASCIT Vice-President

Secretary's Reboot

DANCING CLASS begins on Wednesday, October 24, with Keith Brown as director.

MUDJO scheduled for Tuesday, November 6.

BLOODBONNE will be here on Thursday, November 15.

FALL SPORTS BANQUET features Dr. Sterling, President of Stanford, as guest speaker on Tuesday, November 27.

CHRISTMAS DANCE will be Saturday, December 1, with the traditional admissions of toys for underprivileged kiddies. It won't be a sock hop.

ATTENDANCE AT REDLANDS GAME broke all records since 1949 with 330 student body cards.

ICC DANCE DATE CHANGED (in case you have to call early to get a date). The Pasadena Civic is being used on February 24 by the women's floor society of Pasadena.

Herb Rauch
ASCIT Secretary

California Tech

T h e C a l i f o r n i a T e c h

Thursday, October 25, 1956

Application of psychology extended by Dr. Wier

The man who used to help harried Caltech students solve their difficulties is no longer available as a student counselor. Dr. Wier served three years in the Veterans Administration and received his Doctorate in 1951 as a clinical psychologist. That same year he joined the faculty of the Institute receiving an appointment as research associate; two years later he became an Associate Professor of Psychology.

Several interests

Since he came to Caltech, Dr. Wier has had several important interests. They can be classified into three main topics: counseling, treatment and interests. Since the counseling portion of his position was not the primary part of his duties then this became the one demanding his teaching and research. It was decided that the situation could be most effectively dealt with by relinquishing the counseling position. In the future, as before, Dr. Wier will be given the time and facilities to do research and teach on the subject. 

Dr. Wier's appointment, the counseling functions will be distributed between the dean, advisors and faculty in general. For situations that require a more personalized approach, the Institute has engaged the services of Dr. Daniel C. Siegel a psychiatrist. Dr. Siegel may be seen at the appointment on Tuesday afternoons.

New courses

Among the most welcome innovations in the curriculum is the course in human relations offered for the first time as well as its inception. It is a definite possibility that other courses of similar nature will be developed in the next few years for all students interested.

Another course which Dr. Wier is currently teaching and very interested in is General Psychology, a senior humanities elective. He is also in charge of the special remedial reading course.

Of primary interest to him is the research he has been conducting here for the past several years. The nature of this work can probably be best illustrated by some of the projects that he has done. Perhaps the best known of his efforts is the "Alumni Survey published in several issues of Engineering and Science. In this survey he gathers statistics on such items as income, home background, relations to grades, activities, degree obtained; opinions about politics, religion, prejudices, etc. civic activities participated in, in relation to undergraduate activity and a host of other interesting information.

Evaluating students

Another of his jobs was the difficult one of evaluating the College Board Entrance Examinations, a complete survey of itself. A couple of years ago he performed a study of the Caltech chapter of Tau Beta Pi in which he gained information useful in evaluating the performance of the students at an institution such as Caltech.

Apathy hurts bomb petition

The recent petitions that have been circulated on campus concern the stopping of the Hibbom tests here. In the words of one supporter "gone over like a lead balloon". The apathy and lethargic attitudes of the students on issues concerning the entire nation is appalling. Out of the numerous petitions distributed, only the one In front of Dabney Hall had any number of serious signatures. Those posted in the halls had all sorts of endorsers. Such famous names as Joe P. Trot, Richard Nish, Herman Talmadge, and Rastus Spannagoll all appeared on the petition.

Special Release:

Want to win $50 for yourself and another $50 for the scholarship fund of your college? All you have to do is win first prize in the current $61,000 Student Reader's Digest contest for college students with faculty members. On blanks obtainable at college book stores, you simply list the articles you consider most interesting to the October issue of the magazine.

You may be able to win if you and your fellow Americans are more interested in humor than braves. Will more people read a page of poetry about the emancipation of Japanese women? Are trading stamps more important than bridges? These are among the subjects covered by articles in the issue.

Contestants with the highest vote at the result of a survey of the preferences of up to 12,000 readers will receive the prizes. Entries must be postmarked before the deadline October 25 and addressed to the Reader's Digest Contest Dept. 10, 463, New York.

There will be 100 prizes of $10 in book credit from local college bookstores, and 10 prizes of $100 in book credit from each college will receive an additional $10 in book credit.

(Ed. Note: Suppose that there are N articles in the October issue of the Digest. Then the probability of choosing the six correct stories is $\frac{1}{N^6}$.) The probability of naming the six correct stories in order is this previous number divided by 6!, or $\frac{1}{N!}$. A good estimate of $\frac{1}{60}$ is about 47, in which case the probability of winning is roughly equal to one in 8 million, so let's don't discourage you.)

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The Story and Music of Richard Wagner

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Bing Crosby, Grace Kelly, Frank Sinatra

"HIGH SOCIETY"

UPTON

"That Certain Feeling" and "GUYS AND DOLLS"

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Science

Engineering

Chemistry

Chemical Engineering

Civil Engineering

Electrical Engineering

Industrial Engineering

REGISTER NOW for your interview
News

consist of Leo Miermonds, The Red Shoes, Symphonie Pastorale, and Mr. Belvedere Goes to College.

Religious poll

The results of the question on the cards filled in during registration showed the following figures: No preference 188, 26.6%; Presbyterian 74, 11.3%; Jewish 74, 11.3%; Methodist 67, 9.9%; Catholic 59, 8.9%; Episcopal 45, 6.9%; Lutheran 36, 5.3%; Protestant 33, 4.9%; Congregational 19, 2.8%; Baptist 10, 2.5%; Mormon 15, 2.1%; and Miscellaneous 8, 1.1%. The total is 710, 100%.

Debaters go to Santa Barbara

Caltech’s thirty-fifth debate season rolls this Friday and Saturday as the Pi Kappa debate squad enters the individual events tournament at University of California at Santa Barbara. Present will be Dave Bregman, Dave Forrest, Skip Gier, Penn Morton, Alan Porush and Ken Scholz.

The tourney this weekend will consist of extemporaneous discussions and talks on some topic concerning the Middle East, oratory, and speeches on literary topics. No debate as such will be conducted in this practice meet.

Our chapter of Pi Kappa Delta is unusual in that it holds "superior" ratings and top places in major contests with little formal preparation, according to Ken Scholz, secretary.

Element Synthesis lecture scheduled

"Element Synthesis in the Stars" is the title of this week’s Friday Evening Demonstration Lecture here. The lecture will be given by Dr. William A. Fowler, professor of physics, in Room 203, Bridges at 7:30 p.m. The general public is invited to attend.

Craig, Pat host Ricketts Friday

Because of a football game at Whittier this Saturday night, all of the campus social affairs will take place on Friday.

Ricketts will retire to the home of Craig Elliott’s part, Pat Covington, this Friday night for a "solving good time" in the relative seclusion of a private house.

Blacker is throwing a Hallowe’en party complete with costumes and stuff, Thursday, October 31, in the famous resort town of Buena Park (right next to Tujunga) for the first burn dance of the year.

Accreditation team visits Tech campus

Observation of undergraduate classes and informal questioning of Caltech students will be a part of the visit of the Western College Association accreditation survey team, October 30 thru November 1. Every five years, a survey team composed of university professors visits Caltech and other member schools to determine accreditation, which has bearing on the G. I. Bill Morris Scholarships and like accreditations.

The result of all this intense eye-straining was not very world-shaking. Nothing much could be seen except the polar caps, and, by the very astute, a few faint markings. Dr. Leighton expressed relief after his open house, and said he was glad that Mars came so close so rarely.

Star gazers study Mars

The extreme proximity of Mars during these past few months has brought out a rash of articles, stories, speculations, by both amateur and professional astronomers, all eagerly exploring views on the small planet.

One amateur who is very much interested in Mars is our own Dr. Robert Leighton professor of physics. Dr. Leighton, whose field of study is in the realm of cosmic rays, has been avidly interested in astronomy ever since he was in high school. For five evenings last week he invited neighbors, students, and fellow faculty members to gaze through his homemade sixteen-inch telescope to their hearts content.

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DENISE HOSIERY

DOCUMENTARY FILM CAMERAMAN
The perfect schedule (of the week, at least) was intentionally overlooked at Scripps during the week of Homecoming. A very besotted Schimpsey was seeing to discover the great mentality which she had heard of in Tech. In this case, she was walking to do cover it in Gore (the Bear) Lawrence.

"Oh, the Goof, you go to Caltech? That's wonderful! Er, what do you major in?"

Said I: "I don't know... I haven't been to class yet." The Schimpsey stopped walking.

"Then it's square!"

Re the same Blacker versus Dorsay exchange: It seems that the football game hit its all-time end at 10:30. Yes, that's 10:30 because of a rule that must have originated with Queen Victoria.

As the housemother rushed the Blacker men out, admonishing, "Get up and leave, please! The front gate will be locked" and the elevator went. "Does mean we'll have to spend the night here?" The expression on the housemother's face was memorable.

Woo!

At last Saturday's football game with Redlands, we noticed five wayward girls wandering about the periphery of the Nose Bowl, haggling with the noble ticket salesman about getting into the game. Along came clean-cut Clark Bell, and with one fell swoop settled the whole matter by taking all five, quite unsentimentally, inside. To pick up five girls—so mean feat, we assure—you'd have to try one of the sort, and Clark probably got his, since, (a) every girl was a queen, and (b) there were three of them who were swimming poor-ratio chicks.

By C. Bell! Woo!

Mike, Paul, Jack

Some of the more society-conscious fecundities dressed up and staggered to the Brentstarch Intelsk Tea and Fashion Show. While ogling the models (none of which was from French) they were appalled when Miss Piggy Nose, girl MC, said, "This monetary smoke is ideal for the VERY popular Caltech exclamation".

"You were a week later!"

As Blivet and Snider scaled the wire fence after the gyrene game, H. Heron took his advice in a clear distinct voice.

"Watch out for your "kiss."

Later, this sage implored, "How was I supposed to know Friday's date was standing behind me?"

Nothing at all has happened in Ricketts house. Nothing at all.

The fair Sec's

by George Hall

Barbara Nallick

Luckily for the candidates most of the campus never saw Thermos Club Queen Victoria. Her name is Barbara Nallick; her presence has, greatly increased Techmen's interest in the placement office where she works.

Besides being pleasing to look at and talk with, she's unique. Hike, exchange with the snow; she enjoyed in New York, and get this, likes Tech! This last characteristic is probably the reason everyone who knows her is doing his best to be entertaining this semester.

This reporter's friends have all gone to the placement office to check on interview schedules at least twice this week. Why don't you?

Live vs. canned music

by Jacob "Liberator"

In the October issue of the Atlantic Monthly there is an interesting discussion by the magazine's music editor, John E. Crowell, of the relative merits of "live" (i.e. heard at concerts and recorded) and "canned" music from the point of view of the listener. That "live" music gets the short end of Mr. Conly's stick is no surprise, since, as the editor of High Fidelity, he is true to the electronic cause. Had the author been a concert manager, the conclusion, I suspect, would have been different.

"Tinkle-tinkle"

There is one serious school of music, for which the question of "live" versus recorded music is academic, if it is raised at all. Namely, the "tinkle-tinkle" school as one English critic called it, which is true in the forefront of young composers in Germany, France, and Italy. These composers, including Gisilher Klee, Karlheinz Stockhausen and Pierre Boulez, write much of their music not on staffs, but on semilogarithmic graph paper, indicating frequency durations, and, parameter intensities. (Sid. note: That will be $2.50, Liberator.) The sounds are produced electronically and put together on tape, according to specifications.

"Twelve tones"

Actually, the development is not so revolutionary as it appears. The revolution, if there was one, came more than forty years ago, when Schoenberg, Webern and Berg gave up sheet music and wrote for the piano. Powell's work is varied and important

Because he is not tied down to anyone project, Powell seldom has two similar assignments. Taking established engineering and mathematical principles, some of them extremely complicated, Powell applies them to advanced engineering problems. In doing this, Pete is able to make such calculations as the distortion of a small part of a jet engine caused by vibrations, the deflection occurring in a turbine part when it runs at operational speeds, or the forces exerted upon a rotating shaft by lubricants.

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When "Pete" Powell came to General Electric in 1953, he already knew the kind of work he wanted to do. Among our 27,000 college-graduate employees, he is being given the chance to grow and realize his full potential. For General Electric has long believed this: Whenever fresh young minds are given freedom to make progress, everybody benefits — the individual, the Company, and the country.

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The Lively Arts

There remains only the question, "What's the deal?" by Charles Brown of "Peanuts"—namely, "But it is art!" Frankly, I have seen a few pages of "score" (they reminded me of a BE lab report), and I have heard performances of some of the more "conventional" works of Stockhausen and Klee (the audience was, musically, quite sophisticated; about one-half left the hall). In any case, it is unfair to judge the possibilities of a new artistic medium by a few pioneering experiments. Look at the progress the movies have made since "Pillow's Passionate Romance". Or have they?

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INTERHOUSE DANCE (Continued from page 1)

What: Can I do for you?
Rep: What about the Inter-house?
Taylor: Just a minute. Thirty-eight units! I'll charge half of it to the House. It started out as a House call. That's half of thirty-eight.
Rep: Twelve and two-thirds. What will be an airlock contraption at the entrance?
Taylor: (Continued from page 1) right ahead; I don't . . . .
Rep: Nothing. Go to the entrance.

Taylor: (no comment) the entrance.

Rep: What can I do for you? Will you have cabbages going to, 'the Interhouse? Don't let me bother you. I won't worry, I won't. Anywho, you pass through the cabbages for us. We don't bother with any strange trifles. Oh, probably from those boots I've been wearing all day. They were in the garbage can.

Rep: What about the Interhouse?
Taylor: What can I do for you? What will be an airlock contraption at the entrance? I don't think we should tell you, sir. Go to the entrance.

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Taylor: Just a minute. Thirty-eight units! I'll charge half of it to the House. It started out as a House call. That's half of thirty-eight.
Rep: Twelve and two-thirds. What will be an airlock contraption at the entrance?
Beaver gridders to travel for Whittier tilt Saturday

Caltech's football team moves to Whittier this Saturday night for their third conference pigskin engagement. The Beavers will try to snap a three game losing streak at the expense of the high flying Poets in their last two encounters Whittier-named River side, 29-0, and stung Occidental, 3-14.

The Poets are definite title contenders at this writing. The Occidental encounter was pegged as a tossup, but sophomore tailback Gary Campbell threw four TD passes to spark the Whittier offense. Campbell, a junior college All-American at Fullerton last year, will amply test Tech's pass defense.

The Beavers, whose offense was sputtering in two conference outings, finally came to life against throsry last week. If Tech can keep their offense alive and manage to contain Whittier's true passing, then this week's tilt should be a real contest.

Lineups:

Caltech Whittier

Bill Moen (150) LE Ed Wynkoop (190)
Larry Berry (210) LT John McMurty (185)
Russ Pitser (180) LG Bill Brahears (185)
Lance Hays (175) C Dick Ferguson (185)
Jim Snyder (185) RG Dave Jordan (190)
Larry Whitlow (215) RT Charles McMurty (265)
Ed Nelson (185) RE Harvey Garcia (170)
Don Stocking (145) LH Vince Deveney (155)
Ed Krehbiel (187) FR Gary Campbell (180)
Chuck Malone (175) RH Jon Scharer (170)
Dick Van Kirk (165) QB Virgil Lemley (170)

Water polo is the major sport at Caltech to at least fourteen Tech freshmen. Led by coach Warren Emery, these boys swim two hours a day, every day, to maintain the terrific endurance necessary in waterpolo. Team members are: forwards—Walt Shultz, Paul Widess, Pete Rony, Don Voet, Bob Thompson, and Dave Mitchell; guards—Doug Dunham, Dennis Johnson, Kent Frewing, and Jerry Wilhelmy; centerbacks—Dave Tucker and Ken Doughty; goalies—Mike Mann and Dave Singmaster.

So she went for the full count at a high-priced beauty saloon and bought several quarts of Midnight on the Pyramids.

But Caesar wasn't buying the pitch. "Himm," thinks Cleo, "I'll finesse the Queenship with my ace."

Whereupon she Insulted in with several tankards of the fine beer that Egyptians had been brewing for thousands of years. (Let's face it—here comes the commercial.)

"By Jupiter," said Jule, "this is good! Such clear, sparkling brilliance! Such refreshing flavor! Such creamy foam! Be mine... be Queen... but above all be generous with this delightful brew! Whenever did you learn to make it?"

"Why... my mummy taught me," she answered coyly, passing him a pretzel.

And from then on, Cleo slang to Caesar even in Rome where she heard a soothsayer mutter something about the Idea of March.

"Ah, the Idea of March," exclaimed Cleo, "that's Bock Beer time in Egypt."

Not long after, Caesar got rubbed out, and Cleo got herself back to Egypt where she carried on with Marc Anthony until Augustus toppled and fixed wagen. Anthony did himself in and Cleo did likewise when her charms failed to awe Augustus.

"I'll take a short ble," said Cleo as she lay dying from the sap's sting.

So ended the career of one of the best salesmen that beer ever had.

Moral: You, too, can make social conquests with the help of fine beer. Treat a friend to a bottle of Budweiser, and (assuming he's a tightwad) he's sure to return the compliment.

Budweiser

THE INSIDE-OUT PEOPLE

The thug who blows the bank apart is often a bashful boy at heart. The clean-cut man with clean-cut prix Is apt to be a dinner within. To end this confession, make it your goal To take off that mask and play your real role!

For real pleasure, try the real thing. Smoke Chesterfield! You get much more of what you're smoking for... real rich flavor, real satisfaction, and the smoothest smoke ever—thanks to exclusive ACCU-RAY!

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Chesterfield Tobacco Co.

Lager Beer

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655-C31
Barstow nudge Caltech, 39-25

Barstow Marine Depot’s air-minded Bulldogs displayed a superb passing game to outscore Caltech’s varsity footballers, 28-25, in an offensive duel Saturday night at Barstow. The Bulldogs displayed their biggest ground offensive of the season, grinding out 359 yards rushing in four-long scoring drives.

Barstow’s offense centered around quarterback-coach L. F. Ryan, a property of the Green Valley Riders who completed 13 of 18 pass attempts for 233 yards and carried the Bulldog defense spread out, and the Bulldogs picked up 203 yards on the ground. The Bulldogs opened the scoring quickly, as they stopped Caltech’s opening offensive drive at the four-yard line and scored in 38 yards TD pass by Ryan.

The score mounted to 19-0 in the second quarter, as Ryan hit two more receivers on scoring passes. The Techmen took the ensuing kickoff and marched 80 yards to score, with fullback Ed Krehbiel banging the ball over from the six-yard line. The halftime score stood at 19-6 in favor of the Marines.

In the second half the Bulldog ground attack produced three more touchdowns, as Charley Malone, Don Stocking and Bob Ingram hit the scoring column for Caltech.

Total points scored by Caltech represented the highest point total recorded, this season against Barstow, and the total of the Bulldog yardage came in running plays, as the Techmen failed to complete a pass.

Ed Krehbiel and Charley Malone were Caltech’s biggest offensive weapons, with Krehbiel picking up 151 yards in 25 carries, and Malone’s demolition in 19 attempts. Dick Van Kirk displayed a superb kicking foot, as he averaged 43 yards per punt for the game.

Mustangs mop Millermens, 51-12 many miscues

Caltech’s varsity soccer team opened its league season Saturday, losing to Cal-Poly of San Luis Obispo, 5-4. Cal-Poly was gifted with several excellent players led by their center forward. Caltech’s lone goal was scored by Bob Norton on a penalty.

Cal-Poly is picked to take the crown this year and Tech put up a good fight. The score is not indicative of the way the battle really went, however. Outstanding for the techmen were the two inside, Steve Makk and Luis Ban-Duarte. This combo effectively took care of the opposing halfbacks on defense and pushed the ball up on offense.

Thin backfield

The thin backfield the Tech team so far is the lack of replacements in the backfield, especially at the halfback positions. When the first string went out, the defense had several holes of which the Mustangs took advantage.

J. V.

The junior varsity traveled to Westwood to meet their Bruin counterparts. The trip was for nothing, however, as UCLA talleyed five times while the Beavers were being blanked. Hugo Fletcher, the Tech right inside, played a very spirited game but was forced to take a secondary position after a disagreement with the referee.

Touring Pros

Statistics were received from a touring soccer team from Jerome, Arizona, which is looking for games with local competition. Advanced notices indicate that the Superbas, as they are called, are headed by some Latin American all-stars, including Ignatz Kotowski, Mordecai Tong, Thuraeo Osimanos, Alphonso Bedoya and E. Temev Antikir.

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Darrell Stuart
Or how to paint your way up the ladder

"You hear a lot of talk these days about the
danger of big companies getting bigger.
"What people overlook is that every big
company creates opportunity for small ones to start
and grow strong. I'm a good example.
"I quit school at 15 and went to work as an
apprentice painter. When I was 22 I started a
little decorating business in Santa Barbara,
California.
"In 1930—when I was 33—I had an idea I
could do better by specializing. So I bid on
painting a Union Oil service station. I got the
contract, gave my decorating business to
my superintendent, and started to specialize.

Darrell Stuart, Painting & Decorating, 1919

"I had a truck, a hired hand, and $1000 I'd
borrowed from the bank. I did a better paint
job on that first station than Union had ever
been able to get for the money—and still made
$40. As a result, I kept getting more contracts
—and borrowing more money. Profits I put
back into the business for equipment.
"Today, Darrell Stuart Inc. gets most of the
paint work for Union Oil's marketing depart-
ment, and a sizeable amount from other de-
partments, too. We still bid competitively on
every job—and still do a better one than Union
itself can do any other way.
"We employ over 200 people, work 92 trucks
and own our own building, mortgage-free.
Last year we grossed over a million dollars.

Darrell Stuart: "Big business is the best friend and customer small business has."

"But the point is: if Union Oil hadn't given
me the chance, I'd never have had the incen-
tive to come this far. In my book, big business
is the best friend—and customer—small busi-
ness has!"

"Last year our customers paid us a record
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fifteen thousand other companies and individ-
uals with whom we do business.

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have grown with us. As long as we continue to
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Your Comments are Invited: Write: The Chairman
of the Board, Union Oil Company, Union Oil Building,
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