

## Tech to revel in pajamarino as bonfire goes up in smoke

Entertainment by Scripps women and unusual pajama contest to highlight post-bonfire rally

Next Thursday, November 13, the annual pajamarino and bonfire will climax a week of activity preceding the Occidental game the following night.

The pajamarino will start off with dinner in Tournament Park with the whole student body wearing pajamas. After dinner the bonfire will be lit if Oxy hasn't succeeded in lighting it earlier. When the wood has been reduced to ashes, the students will march to the Pasadena American Legion Hall on Marengo near Walnut in an official parade.

### Scripps entertainment

At the hall entertainment will be provided by Scripps women, and a pajama contest will be held, the award being given to the student with the most distinctive night wear. When the entertainment and judging is concluded the students will return to Caltech by the best mode of transportation available.

The wood for the bonfire will be collected the week preceding the Oxy game by the freshmen with each house trying to outdo the others in the amount of wood collected. Freshmen will be assigned details to guard the bonfire from marauding Oxy boys.

### Raiding frowned on

The Board of Directors has stated that it definitely does not approve of Caltech students' raiding Oxy, but if the Oxy students come here the Caltech men can do what they please.

## Tuxedos added to Tech wardrobe

The Tech Wardrobe in Room 25, T-2, is now better equipped than ever, thanks to Mrs. Salisbury and the Caltech Service League. More complete tuxedo outfits, a couple of dinner jackets, some suits and quite a few sweaters have been added over the summer to the growing assortment of clothing.

### Key at Y office

For those who are not familiar with this convenience, here is the word: The key is available to any Tech student at the Y Office in lower Dabney Hall. Upon signing it out he may browse around in the Wardrobe as long as he wishes. Articles borrowed must be checked out, and all formal attire must be returned within two weeks. When brought back, all suits should be hung behind the door and not in the racks, so that they can be checked for necessary cleaning and mending.

### Run by Service League

The Wardrobe is managed by the Caltech Service League, a voluntary organization of women whose sons have gone to Tech or who have an interest in campus activities. They solicit, mend and clean the clothing for the project besides straightening it up occasionally after someone has rummaged hastily through it.

## Regulations issued for car repair lot

This year, due to the increased demand for repair space, the Car Repair Lot has been moved from behind the Student Shop (no affiliation whatsoever) to the parking lot behind Building T-3, and it has been enlarged from two to three spaces.

During the past years numerous incidents of car "stripping" have occurred on campus. It was decided that for the benefit of those students who have been victims a rule should be passed making it illegal to do repair work anywhere on campus except in certain designated areas.

### Regulations governing the lot

- Purpose.** Obvious.
- Location:** Southwest corner of the parking lot north of Building T-3.
- Hours:** From 7:30 am to 7:00 pm.
- Size:** There are spaces for three cars.
- Duration:** To be determined by Monitor or the Second Representative. Determining factors are extent of repairs and availability of space.
- To Enter:** Secure permission and key for lock from the Monitor or Second Rep. The names and room numbers of the Monitor and Second Rep. are posted at the Repair Lot.
- To Stay:** Some appearance of cleanliness and progress must be made.
- To Leave:** Key must be returned to Monitor or Second Rep. after the lot has been cleaned by you!
- Cleaning Equipment:** This will be provided for you.
- Tools:** Provided by you. If tools are taken from some campus shop, please return them in good, clean order. This makes it easier on the next person who wants to borrow equipment.
- DON'T:**

## Stefanides gets scholarship for extracurricular activities

What is probably one of the most unusual awards offered to students is the Don Shepard scholarship. It is a \$150 award to the student who would benefit most widely from cultural activities such as plays, operas, etc., which are available in Southern California. Neil Stefanides has been selected as this year's recipient, announced Dr. Eagleson.

The award was established last year by the parents and friends of Don Shepard who graduated from Tech in 1950. Don was

# Interhouse preparations for Saturday nearing completion

Lavish decorations will distinguish affair; beauty, beasts, and poetry furnish themes

"An Arabian Night," "Carlsbad Caverns," "The Dawn of History," "Haunted House," and "Kubla Khan's Pleasure Palace" will be the themes for the Interhouse Dance staged this Saturday by the four student houses and Throop Club.

### Pendulum

The subscription drive for Caltech's literary magazine is now under way. The price for three issues of Pendulum, out at the end of each term, is 75c.

In the houses and Throop a member will see you. Subscriptions can also be bought at the Caltech campus bookstore. Or send 75c in stamps, or by check or money order to Walt Lee, Blacker House, Caltech, Pasadena 4, Calif.

Featured in Pendulum will be prose, poetry, and art work by Caltech students. We hope to include creative photography if interest develops.

## Atomic standards at IRE-AIEE talk

Dr. R. D. Huntoon, chief of the Corona branch of the National Bureau of Standards, will speak to a combined meeting of the IRE-AIEE next Monday at 11 a.m. in 119 Kerchoff.

"Atomic Standards" will be the subject of Dr. Huntoon's talk, which will be illustrated with slides. He will also discuss such interesting devices as the superaccurate atomic clock.

All faculty members, grads, and undergrads are invited to attend this first meeting of the joint IRE-AIEE.

## Y drive for funds begins Nov. 17

From November 17 to 21, the Caltech Y will hold its annual finance drive. This event, lasting one week, is the only time during the year that the Y makes any requests for contributions.

Despite inflation, the Y budget for this year is essentially the same as it was last year, or \$11,000, of which \$2,600 has been set as the quota for the drive itself. Contributed by the students and faculty, this amount pays for many of the operating expenses of the Y, such as providing speakers for different forums during the year, as well as all the other services which the Y offers to everyone here on campus.

### Rubenstein to head drive

There will be over 150 men taking part in the fund campaign, under the direction of Irwin Rubenstein, Y Treasurer. Contributions from the faculty will be handled by Ken Lunan and Kai Kristensen. Those from the grads will be managed by Leo Baggerly, and donations from the undergrads will be taken care of by Van Walkley and Al Helgesson. Under the latter two men will be house

## "The Quiet One" to be shown Mon.

The Caltech Y will present the film, "The Quiet One," on Monday evening at 7:15 pm at the Y residence on 391 S. Holliston. This will be the first of a new series of programs planned for the future which will deal with racial relations.

The film is an award-winning study of the effects of discrimination on the life of a small Negro boy who is growing up in the slums of New York. This hour-long feature has been acclaimed by lawyers, psychologists and social workers as one of the finest studies of its type.

## Auto show offers rods, custom jobs

One of the largest collections of automobiles will be on display at the third annual International Motorama Exposition Nov. 10 to 16 at Los Angeles' Pan-Pacific Auditorium.

Featured will be championship streamliners, hot rods which have hit 252 m.p.h., fantastic custom creations, new foreign autos, antiques and classics and the latest Detroit products.

The first fibreglas car will be displayed and the show will offer the West Coast public its first view of Packard's famed new Pan-American sports car.

Latest styles in auto interiors, ornaments, gadgets, safety accessories line will be exhibited. Vices, and everything in the auto

- Take your car out and put in somebody else's without permission.
- Leave the chain down unless absolutely necessary.
- Think that working on your car near the student car lot is permissible.
- DO:** Use waste oil cans and scrap cans provided.

### Blacker to go Arabian

Blacker House will entertain its female guests with a minaret, a harem and a mirror pool as features of their "Arabian Night" scheme. Laverne Boyer's band, holding forth under an ornate canopy, will be featured in the lounge. A man on a flying carpet and a genie produced in a puff of smoke are among the other attractions offered by the Blackermen.

### Throop plans underground trip

"Carlsbad Caverns," the theme of Throop Club, is to have a bubbling, boiling underground spring as one of its decorations. The interior of the club will be revamped into a cavern, with stalactites and bats decorating the scene. Bill Peterson's band will play for the off-campus men, with the club entrance taking the form of a cave.

### Volcano to highlight Darbs

A modern but doubtless realistic butane volcano will attract visitors to Dabney's "Dawn of History" motif. A brilliantly lit, fish-infested river and a punch waterfall are to be located in the Dabney dining room while complete chaos is the theme for the lounge. Eddie Jackson and his combo will furnish music for Darbs and their dates.

### Ricketts features supernatural

A scary atmosphere will prevail in the Ricketts "Haunted House." Spiders, cobwebs, skeletons and a creaking staircase provide the chills, while the Hal Lomax band will furnish the music. A Jacob's ladder and a squawk-emitting door are other features thought up by enterprising Ricketts EE's.

### Classics inspire Fleming

Fleming takes its interhouse theme this year from Coleridge. Shining tunnels of aluminum foil and a changing display of colored lights form "the pleasure palace of Kubla Khan." Large quantities of ice and an efficient blower system will provide the proper chilliness in the tunnels and give ventilation to the dance floor where Carrol Wax and his band are to play.

This year, as usual, the interhouse will provide the tops in entertainment for Techmen.

## Campus Calendar

- FRIDAY, NOV. 7**  
 2:00 Varsity Soccer vs. UCLA  
 4:15 Varsity and Fresh Cross Country vs. Redlands at Caltech  
 7:30 Friday Evening Demonstration Lecture, 201 Bridge
- SATURDAY, NOV. 8**  
 8:30 Interhouse Dance
- SUNDAY, NOV. 9**  
 8:00 Chamber Music Concert, Dabney Lounge

chairmen Dave Clark (D), George Moore (F), Bill Gardner (R) and four men for the off-campus group: Jerry Pixton, Miles Nesman, Leon Shameson, and Dave Stevens.

## President's Message . . .

Next week is the big week of our 1952 football season with the bonfire and Pajamarino on Thursday and the Caltech-Oxy football game on Friday night. As always this is our big game with the tradition and rivalry of many years behind it. In the past the rivalry has built up to such an extent that there has been inter-school raiding of a destructive nature throughout the week preceding the game. The rivalry is very good, the more the better; but instead of raiding Oxy and causing a lot of property damage that our student body must pay for, use your spirit and enthusiasm to collect boxes for the bonfire and to cheer and yell at the Pajamarino and at the game.

The Board of Directors asks your support.

**JOHN D. GEE,**  
ASCIT President

## Secretary's report . . .

In the special balloting held last Thursday, October 30, Ron Ratney was elected editor of the **California Tech**. The student body extends good wishes to Ron in his new duties.

Because of his coming entrance into the military service, Bob Holbrook, Co-Business Manager of the **Big-T**, presented his resignation to the Board of Directors. Bob's partner, Bob Pechacek, will continue the work alone for this year's annual.

At a recent meeting of the Student-Faculty Relations Committee, a resolution was passed to be sent to the Faculty Committee. This resolution strongly recommends once-a-term visitation by Department Heads or their delegates to all sections taught by graduate students. This is not a new idea; however, it is hoped that the resolution will bring about wider use of the visitation system. It is an opportunity for you to make known your opinions on the instruction you receive to someone who can do something about it, if necessary.

**George Johnston,**



If there is one thing I can't stand, it's intolerance.  
—Jeanette.

About half of Tech was out at the Medieval Knights dance at Scripps this past Saturday, much to the disgust (tsk, tsk) of the Claremont Men's Club fel-

lows present. The dance was decorated by an able Tech crew, but they evidently forgot the old rule of physics that two bodies cannot occupy the same space at the same time, nor can two hundred fit in space designed to hold one hundred.

A party composed of Otte, Stockebrand, old grad Hefner, and some obscure Ricketts man preceded the dance by a dinner party in a cabin on Baldy. Their most attractive dates prepared an ample dinner, which took so long in the consuming that they didn't make the dance until 11:45.

### D.T.'s

Our apologies for the garbled state of Brewins last week. Apparently the printer was slightly uncoordinated at the time the

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## California Tech

Published every Thursday during the college year except during examinations and holiday periods.

**California Institute of Technology**  
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**Ron Ratney,** Editor-in-Chief

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type was set.

### Something fishy

Ricketts turned out en masse behind the Great White Wall Saturday night. Despite the omnipresent hordes of chaperones, everyone had a swell time—except Figgie, who when last seen, was contemplating heaving his blind date into the moat (but Fig, everyone knows that the

(Continued on Page 3)

### Notice!

On January 1, 1953, all local advertising rates will return to their 1951 level of 90 cents per column inch, with the exception of advertisers who have already signed contracts at the 80-cent rate extending into this period. Increased printing costs and other expenses have made this raise necessary, applying to student classified ads as well.

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# Production for M.E.'s

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The young mechanical engineer interested in production finds plenty of opportunity at Du Pont. His skills are in great demand because so many of this Company's products are made in equipment which must operate continuously on automatic controls.

More than half of Du Pont's M.E.'s are currently engaged in some phase of production work. There are three main categories.

**1. MAINTENANCE SUPERVISION.** Resourcefulness and initiative are needed in men selected for this work. Among their many duties are the scheduling of preventive maintenance and emergency repairs to minimize down time, suggesting equipment improvements to reduce the maintenance load, and estimating costs of changes or major repairs.

Normally, the supervisor establishes maintenance procedures, di-

rects transfer of personnel from one group or area to another, and assigns duties. He sets up office and field work methods and controls the supplies of spare parts and stores.

The importance of this work is emphasized in some Du Pont plants where more men are needed to maintain the equipment than to operate it. At one plant, the division maintenance superintendent, a man with several years experience behind him, is responsible for 1,500 pieces of equipment and 100 miles of pipe. He has 120 men under him, including 10 foremen.

**2. PRODUCTION SUPERVISION.** Other mechanical engineers at Du Pont use their knowledge of mechanical equipment in solving production problems. They must see that raw materials are on hand, that maximum yields are obtained with minimum loss, and that the products meet



**J. D. McHugh** (at right), B.S. in M.E., Rochester '50, and draftsman discuss working drawings for plant equipment improvement.

rigid specifications. In addition, they must train men in proper equipment operation and maintain good personnel relations.

One area supervisor, also an experienced man, usually has charge of from 125 to 150 people, including 6 to 10 foremen.



Keeping compressors in top running condition is a typical maintenance-group problem.

**3. PLANT TECHNICAL.** Other M.E.'s at Du Pont are assigned to the teams of plant technical men responsible for process and production improvements. In this work, they help solve problems on machine design, strength of materials, control instruments, packing materials for high-pressure equipment, etc.

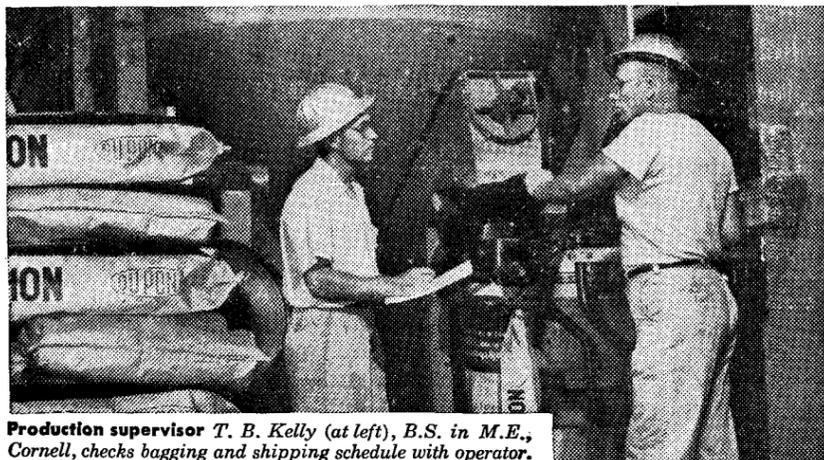
Actually—in maintenance, production and development—the possibilities are almost unlimited at Du Pont for the M.E. who likes the manufacturing side of industry.

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Production supervisor **T. B. Kelly** (at left), B.S. in M.E., Cornell, checks bagging and shipping schedule with operator.

# THE SPACE BEAVER

By WALT LEE

## CORRECTIONS

**The Long Loud Silence** by Bob Tucker, Rinehart & Company, 1952, \$2.50.

**Player Piano** by Kurt Vonnegut Jr. Scribners, \$3.00, 1952.

These books will soon be available.

## CHICAGO CONVENTION

Present at the World Science Fiction Convention in Chicago were William Hamling, Dr. Joseph Winter, Ray Palmer, Willy Ley, Tony Boucher, John Campbell, Howard Browne, Lester del Ray, Sam Mines, Robert Bloch, Hugo Gernsback, guest of honor; L. Sprague de Camp, Clifford Simak, E. E. Smith, August Derleth, Ted Sturgeon, and

over a thousand others, including gate crashers. This is more than twice the number to attend any other SF convention. As one anonymous fan described the convention: "This is big, BIG!"

The Little Men of San Francisco strove mightily and entertained magnificently to capture the convention for next year, but Philadelphia lucked out and won by a narrow margin. So the World Science Fiction Convention of 1953 will be in Philadelphia.

## NEWS NOTES

The Balmer-Wylie novel, **When Worlds Collide**, will be published soon by Dell books, at 25c.

John Taine's **Green Fire** has been re-issued by Fantasy Press, \$3.00. This book has also been re-written as a play.

The last Weinbaum volume, **The Red Peri**, (Fantasy Press, \$3.00), places all the work of Stanley Weinbaum in book form. Weinbaum is the only SF author from the pulps to be so honored.

**Fantastic No. 3**, featuring Spillane's sexy pseudoscience fiction yarn, has sold some 225,000 copies.

## CAMPUS BREWINS

(Continued from Page 2)

barracuda is dead!)

### Edifications

For Chuck Benjamin: The Night Editor of this illustrious publication does not write this column.

For the Rowdy Frosh: That luminous plate of which you may have caught a fleeting glimpse last week was the Brake Drum.

For Don Roberts: Monks have Troubles Too\*.

### Bull Durham

Embittered over the lack of the Camel Concession being in the house, many men in the Northeast Corner are following the lead of Sam (Burl Ives) Phillips and are making doggedly pathetic, but highly entertaining attempts at "rolling their own." Phillips and Tucker have capitalized on the addiction and now have worries only about where to cache their loot.

Earle K. Bergey, famous for his BEM-Bum-Babe covers for TWS and SS since 1940, died in Doylestown, Pa., September 29. He was the victim of a heart attack.

So far R. J. Reynolds doesn't

seem unduly alarmed.

(\*) At the great Hercules-Snatch Alley Party Friday night, Pee Wee became infatuated with Jim Adams' blind date. As he (Pee Wee) was about to ask the lovely to the Inter-House, she inquired if he would consider taking her little sister!! After receiving this blow plus an extremely cold shoulder the following night, the Wee One is now seriously contemplating the monastic life.

### Tough luck

John Lilley is the man of the hour this week in Fleming. Seems he opened his big mouth too far in front of too many witnesses by offering Kidder the usual service (offered only when the odds are supposedly infinite) if Kidder should score a touchdown. Come Saturday Big John made the TD, and the recall of the foregoing offer caused much interest among the house showmen and emcees. When last seen, Lilley was negotiating settlement offstage in return for a case of Milwaukee's finest. Should negotiations break down, tickets will go on sale one day ahead. Money refunded if not pleased with the performance.

Attendance was heavy at Big Airwick's party last Friday. The atmosphere was dark, comfortable, and musical. Willens' punch received a vote of "good." During the Halloween Dance in Dabney last Friday, Dave King, long a member of the Un-

wept, Unhonored, and Unpinned Society, became enamored of a certain attractive witch from Scripps. He had been seen with her occasionally in the past, but no one thought that anything would come of it. Losing sight of reason, however, he pinned her, and we expect big things to come of it.

### Space Cadets

Billowy clouds of white, frigid fog have been engulfing Dabney lounge since the importation of a CO2 fire extinguisher for inter-house dance purposes. Ed Bryan changed a hot bridge game into a very cold rout, but then was forced to defend himself, successfully, against cries of "Showers!" Now, the new pastime is to attach the extinguisher, nozzle back, to a stool and swish across the lounge floor JATO style.

### Water they doing?

Darbs Ellmore and Waggen-seller, the gay-blade geniuses of hydrodynamic warfare, have discovered that all play and no work don't make . . . As a result they are leaving the infamous confines of alley two and heading for the more serene atmosphere of Lucky (?) Seven.

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**Peekin' In**

by Patraw

In modern football the key to victory has always been thought to be attack. Ever since the advent of the passing and quick-opening attack, offense has been the byword of the collegiate "big league." Even diversified defenses such as the slanting or looping line and the zone pass defense, could not keep up with the "mousetraps" and pass patterns.

**UCLA defense**

This year the shoe is on the other foot. Defense, defense, defense is all you hear these days. As an example take last week's Uclan victory over the Golden Bears. Cal was rated one of the top four in the nation almost entirely on the basis of their running attack. All-American candidate Johnny "O" Olszewski along with two other ground gainers in the PCC made them go. Then along came SC with a giant defensive forward wall and scrappy line backers. Irresistible force met immovable object, and the defense won out, 10-0. However, it was thought unlikely that vaunted Cal could lose two in a row. UCLA pushed Cal all over the field to the tune of 28-7. And what did it? Defense, especially line backing by Terry Debay and Donn Moomaw.

**Paul Cameron**

When SC meets UCLA the thunder will be heard in China. UCLA should win on the basis of the passing of junior sensation Paul Cameron.

There is always a lot of talk about "spirit." Perhaps the word is overused and misused. Still this columnist can't help but think of the difference there would have been in our football record had there been some spirit (drive, or call it what you will) among the players. This is especially true in the case of some of the senior members on

(Continued in Column 5)

**Over the wall**

By John Wall

(Ed. Note: This is a guest column by Co-Captain Fazio, athlete-at-large.)  
By Pat Fazio

Since Caltech switched to Coach La Brucherie's version of the "split T," I have been asked, "What is the 'split T'?"

**Split line**

The mechanics of the system are very simple. On the line of scrimmage the guards are split leaving a one-foot gap between center and guards; the tackles are split leaving a two-foot gap between guards and tackles; and the ends are split leaving a three-ends. Most systems of football (viz. single wing, normal "T," and Notre Dame box) have the guards in as tight as possible. The backfield of the "split T"

**Split defense**

The theory behind the split is that it gives the offense a definite advantage. Any defense must spread its line to meet our split line. If the defense refuses to split its line then the offense has the advantage of an angle on the line blocks; if the defense splits its line it leaves holes, then the offensive line needs only to maintain the holes whereas in the normal tight line system it must also make the holes.

Well, so much for my rambling on. The split T is a fine formation and here at Tech we have a top-notch coach. The only excuse for not winning games is that the team as a whole just hasn't really tried! Tech has been outclassed, as far as material goes, only by Whittier, but we've been outfought by every team we've met. Until Tech football teams get rid of the attitude that they can win games without trying they will lose them!

**Oxy?**

Well, Oxy's next. Maybe the team will decide to play that night. Anyway you can have a good time if you'll keep your eye on the team with the purpose of the split T in mind.

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Then, if we select your jingle, we'll pay you for the right to use it, together with your name, in Lucky Strike advertising . . . probably in this paper.

Read the sample jingles on this page. Then get the gang together, break out the rhyming dictionary, and start writing. It's fun! And we're buying jingles by the bushell!

*Hint*—if you can sing your jingle, it's a good one!

*Hint*—the more jingles you write, the more money you have a chance of making.

*Hint*—be sure to read *all* the instructions!

I've heard the same in every class—  
In history, psych, and ec—  
For cleaner, fresher, smoother smokes,  
It's Lucky Strike, by heck!



I like a better-tasting smoke  
And mildness counts with me.  
So when I buy I keep in mind  
That L.S./M.F.T.!



**HERE ARE THE INSTRUCTIONS**

1. Write your Lucky Strike jingle on a plain piece of paper or post card and send it to Happy-Go-Lucky, P. O. Box 67, New York 46, N. Y. Be sure that your name, address, college and class are included—and that they are legible.
2. Base your jingle on any qualities of Luckies. "Luckies are *made better to taste better*," is only one. (See "Tips to money-makers.")
3. Every student of any college, university or post-graduate school may submit jingles.
4. You may submit as many jingles as you like. Remember, you are eligible to win more than one \$25 award.

**\*TIPS TO MONEY-MAKERS**

To write a winning Lucky Strike jingle, you're not limited to "Luckies are *made better to taste better*." Use any other sales points on Lucky Strike such as the following:

- L.S./M.F.T.
- Lucky Strike Means Fine Tobacco
- Luckies' cigarette-tearing demonstration
- Luckies taste cleaner, fresher, smoother
- Be Happy—Go Lucky
- So round, so firm, so fully packed
- So free and easy on the draw
- Buy Luckies by the carton
- Luckies give you deep-down smoking enjoyment

**PEEKIN' IN**

(Continued from Column 3)

the squad. Maybe we'll do better next year although we will lose a lot of men. However everybody is hot to get Oxy and the Tigers are down after their victory over Redlands. We'll see a week and a half from now.

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**Athlete of the week**

**Bob Wood**

It's seldom you find a real championship team wearing the beaver colors, but last year's occer team turned the trick. All outhern California champs, the loccermen took on all comers without losing a game, scoring vins over SC and UCLA as well s conference teams. One of the uys with a big hand in this recrd was Bob Wood.

**Endurance plus**

Bob's anything but a big man, ust being able to see over the able, but he's got the endurance ecessary for soccer, by no eans a soft sport. Bob played in igh school and has been a regu- ar for the Beavers three years. le plays left forward and usual- y scores a good percentage of 'ech's goals.

**Potent**

Fleming House is home to bob, now in his senior year. This ooks to be his best soccer year s he's scored five goals in the hree games thus far played. nd you can expect plenty more rom his potent foot.



... Guterrez shoots to score ...

**Tech loses heartbreaker; outgain, outpass La Verne**

Caltech's Beaver football team lost a heartbreaker last Saturday night to LaVerne College in the most exciting game played by the Beavers this season. La Verne's margin of victory was a single point, the final score being 21-20. The Beavers came up with their best game of the season, outgaining the Leopards in every department, and in the second half showed a drive and power which had been lacking in the team for the first half of the season.

**Outgain LaVerne**

The final score in first downs and total yards gained was in the Beavers' favor by 17-10 and 300-230, as they outgained their opponents for the fourth time this year. A missed conversion attempt was the only thing which kept them from a tie and with a little luck in the second half they could easily have walked off the field as winners.

**Injuries**

The loss of Neil Stefanides and Pat Fazio because of injuries hurt the Beavers tremendously, especially at linebacker where Stefanides' presence would have partially throttled the Leopards'

running attack. The defensive unit, which allowed La Verne three touchdowns in the first half, settled down and in the second half looked as good as they have at any time this season.

**Tech scores first**

Tech scored first on the second scrimmage play of the game as Eric Ward passed to Johnny Kidder who was all by himself in the end zone. This was set up when La Verne fumbled the opening kickoff and the Beavers recovered. Ed Gehle missed his conversion try and that turned

(Continued on Page 6)

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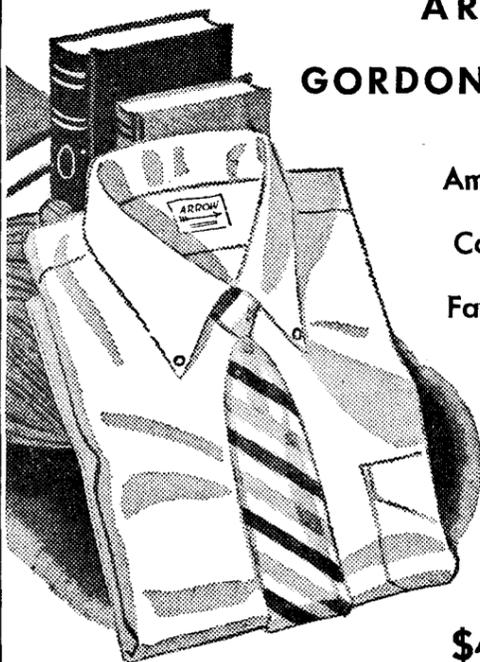
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## Soccer team socks Midlands as forwards flash

Caltech's soccer team put on a fine display of offensive teamwork last Saturday to completely crush a good Midlands team, 9-2. Leading the Tech scoring parade were Bobby Wood and Renee Gutierrez with three goals each, Sedat Serdangetti with two goals and Swaroop Bhanjdeo with one goal.

The game commenced on a high note for Midlands, for they drove right through the Tech defense and scored the first goal of the afternoon. After this lapse, however, Tech settled down and scored nine straight goals before allowing Midlands a return.

### Great Forwards

Coach Huttenback, in evaluating the game, stated that the forwards played a well-nigh perfect game—special credit being due to Renee Gutierrez, Bobby Wood, and the incomparable Swaroop Bhanjdeo. The defense was again the black note for the afternoon, although they improved as the game went on, and Ernie Ophuls, Phil Bates, Moe Lerner, Bob Hunt, and especially Don Emerson played well individually. However, much more progress must be made if Tech is to even give the UCLA powerhouse a game tomorrow.

Another problem facing Tech is the physical condition of the players, for the "Great Plague" seems to have hit the soccer team with approximately five first-string players in various states of disrepair—the ailments range all the way from infectious mononucleosis to bad ankles. Be that as it may, Tech plays UCLA, there, Friday at 3 pm, and will go all-out gunning for an upset victory.

## Water Polo

Wednesday saw Tech lose a hard fought game to LACC at the CC pool. At the half it was 2-0 in favor of LACC but in the third quarter goals by Bush and Wallace moved Tech ahead 3-2. The Beaver defense held until the last 30 seconds when LACC scored, tying the count at 3-3. This threw the game into extra quarters, but the Tech seven was spent and LACC scored four times in the overtime.

The frosh squad fared better Thursday smashing Oxy 8-1. Fine shooting by Jim Ball and Bill Davis, and the Herculean work of Bill Sundblad at centerback plus the excellent goalie work of Fritz Trapnell made the victory possible.

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## TECH LOSES

(Continued from Page 5)

out to be the ball game, only no one thought so at the time. The Leopards scored twice before the Beavers got another one, with Ward going over from the 1 yard line to cap a 65 yard drive. The drive was highlighted by Jack Walker's running and a Ward to Kidder pass. La Verne scored its third and final touchdown just before the half ended, with the score standing at 21-13.

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### Tech scores last

The Beavers came out for the second half and proceeded to completely outplay La Verne. After a scoreless third quarter which was featured by several punt exchanges, the Beavers

### Tech loses heartbreaker

started a drive from the 50-yard line which ended 12 plays later as Ed Gehle drove over right guard for the touchdown. Big Ed kicked the extra point and the scoring ended, 21-20. The Beav-

ers got down to the Leopards' 35 in the final minute of play, but a pass was intercepted to end the threat and La Verne controlled the ball for three more plays and the game.

### Eric Ward

Tech played a good game which for the first time this season was not marred by a lot of fumbles and intercepted passes, and the game could have gone either way right up to the last minute. A lot of credit for this should go to Eric Ward, who took

over as Pat Fazio was hurt and directed the team very well. His passing and running were also high points of the Beaver offense.

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