

## Juniors end beach season with Playa del Ray picnic

by Jim Wilkinson

"Neat!" That's the official word from class social chairman Doug Ritchie on the forthcoming junior class beach picnic. A strictly date affair at spacious Playa del Rey beach, it's taking place this Sunday, October 9, afternoon through early evening.

The beach is just west of the International Airport, on Santa Monica Bay. There are many firepits and picnic tables so everyone will have plenty of room to cook and eat the food which will be provided out of class funds. The menu consists of hot dogs, potato salad, fruit and hot chocolate. Juniors who don't care for hot chocolate may bring along a thermos of coffee.

Anyone looking for a ride should contact one of the class officers. There will be no set meeting place to leave from; men will congregate at about noon. All evidence points to a large turnout.

### Impromptu activities

Activities for the afternoon will not be organized, but there are volley ball courts and opportunities for all those doings which go with every beach picnic, not to mention the beautiful surf. Incidentally, President Bloomberg has promised NO SMOG!

Summing it all up: Juniors, don't miss this!

## Closing dates posted for U. S. Government grants

November 1 is the closing date of the competition for educational exchange grants for graduate study abroad under the Fulbright and Buenos Aires Convention programs.

The programs are part of the educational exchange activities of the Department of State and offer about 1000 students the chance to study abroad during the 1956-57 academic year.

Countries where U. S. graduate students may study under the Fulbright act are Australia, Austria, Belgium and Luxembourg, Burma, Ceylon, Chile, Denmark, Egypt, Finland, France, Germany, Greece, India, Italy, Japan, the Netherlands, New Zealand, Norway, the Philip pines, and the United Kingdom.

Countries participating in the Buenos Aires Convention program are Bolivia, Brazil, Chile, Columbia, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Nicaragua, Panama, Paraguay, Peru, and Venezuela.

The Fulbright awards cover transportation, expenses of a language refresher or orientation course, tuition, books, and maintenance for one academic year. Awards under the Buenos Aires convention include transportation provided by the U. S. government and tuition and maintenance allowances by the host governments.

### Citizens only

Eligibility requirements for these fellowships are: (1) United States citizenship; (2) a college degree or its equivalent at the time the award is to be taken up; (3) knowledge of the language of the country sufficient to carry on the proposed study; (4) age 35 years or under; and (5) good health.

## Hahn elected member of Caltech Board of Trustees

### Prominent Pasadena attorney, college lecturer appointed new Tech trustee

Herbert L. Hahn, prominent Pasadena attorney, has been elected a member of the Board of Trustees of the California Institute of Technology.

Mr. Hahn has practiced law in this city for 38 years and is senior partner of Hahn & Hahn, the firm founded by his father, the late Benjamin W. Hahn, and his uncle, the late Judge Edwin F. Hahn.

Born here in 1893, Mr. Hahn was graduated from Stanford University in 1917 with an LL.B. He then entered the Army and served till the end of World War I, when he was discharged as a second lieutenant in the infantry.

Since 1940, Mr. Hahn has been a member of the California Institute Associates, and since 1943 has been treasurer of that organization.

Mr. Hahn serves as a lecturer on the faculty of the Stanford University Law School and is on the Management Committee of the Huntington Memorial Hospital. He is a member of the University Club and Twilight Club of Pasadena.

## Dr. Brown relates details of 'Atoms for Peace' meeting

Among the 1500 scientists attending the International Conference on the Peaceful Uses of Atomic Energy held at Geneva last August 8-30 was Dr. Harrison Brown of the Caltech Geology Division. Dr. Brown was one of about 200 Americans selected by the U. S. State Department and the Atomic Energy Commission as U. S. delegates to the conference.



Dr. Harrison Brown

The conference consisted largely of sessions on various topics related to atomic energy, such as: reactor technology, chemical and metallurgical developments, biological and medical problems, and radio-isotope applications. In addition there were a number of exhibits set up by the participating countries and industrial firms.

### Tells of benefits

Commenting on the conference, Dr. Brown expressed a feeling that it has definitely been of benefit to the development of peaceful uses of atomic power. He said that there had been a strong spirit of international cooperation at the conference, and that much more had been achieved than he had anticipated. Especially valuable, Dr. Brown thought, was the opportunity to get together with foreign scientists in informal discussions; he spent over eight hours himself in such discussions with members of the Russian delegation alone.

According to Dr. Brown, the Russians revealed many unexpected advances in nuclear technology at the Geneva conference. The Russian papers and exhibits at the conference exhibited considerable originality on the part of the Soviet scientists, and indicated that they have great capacity for research and development, he said.

(Continued on Page 6)

## Fall program announced by IVCF group

Under the leadership of president Tom Lovejoy, the Caltech group of Inter-Varsity Christian Fellowship is beginning its fall program.

There will be a series of luncheon forums at the training table each Wednesday noon for eight weeks. The general topic of the entire series is "What Does Jesus Christ Claim?" The purpose of this series as planned by the officers, is to acquaint students with the historical basis of Christianity.

Mel Freisen, regional director of Inter-Varsity, will discuss the first topic, "What Does Jesus Christ Claim About Himself as God?" This meeting will be Wednesday, October 12th, 12 noon at the training table in the student houses.

### Open to everyone

Everyone is invited to attend. There will be room provided for off-campus men who wish to bring their lunches.

Persons desiring more information about the Christian Fellowship group and its activities can contact Jay Kimmel (Dabney), Joe Lingerfelt (Blacker), Gordon Brown (Fleming), or Paul King (Throop Club).

## November 14 final date for Wilson grants

The Woodrow Wilson Fellowship will offer 12 to 15 fellowships in the field of the Social Sciences or Humanities to seniors in the Southwest region for first-year graduate study during 1956-57.

The Woodrow Wilson Fellowship program is unusual in that a student may not apply directly but must be nominated by one of his college instructors. Interested Caltech seniors should talk the matter over with one of their professors or with Professor Dan Piper of the English department, who is regional committeeman for California. Information about the program may be obtained from Dr. Piper or Dean Paul Eaton. The names of interested students must be submitted to the regional committee before Nov. 14, 1955.

The program provides a year's free graduate study in the social sciences or humanities to outstanding students. They may attend American or foreign graduate schools.

### Broad definition

The terms "social sciences" and "humanities" are liberally interpreted to include fields ranging from music and religion to economics, anthropology, social psychology, cultural geography, the history of science, and the history of mathematics.

The main qualifications for a Woodrow Wilson fellowship are outstanding aptitude, proven academic ability, and evidence that the candidate was eligible for admission to a qualified graduate school in his field.

## The art of winning friends and influencing women; a modern, do-it-yourself method

by Sam Palumbo

The current issue of *Saga* magazine contains a Field Guide for Bachelor Entertainment. *Saga* has compiled a set of rules to insure success for the bachelor intent on spending a quiet (?) evening in the confines of his own room with the young lady of his choice.

The first step, says *Saga*, is enticing the lady to be entertained in a bachelor's apartment. This requires tact. "How about coming up for dinner?" is as clumsy as the old invitation to inspect your etchings.

The recommended procedure: Take the lady to a good restaurant. No matter how fine the food, disparage the chef's ability. The lady will ask, sarcastically, if you can do any better. Reply, "Of course!" Before the

lady realizes what she is saying, she will exclaim that she can't wait to see a demonstration of your culinary ability. Now she can't back out; she has invited herself.

On the day of the big event, clean your apartment, but not too scrupulously; the idea is to have everything look disarmingly natural.

So that she will be completely relaxed, *Saga* recommends that you have present an unattached male. This fellow should be amusing (but not too amusing), friendly (but with a certain reserve), and above all, on his way somewhere else. Under no circumstances should he be allowed to stay longer than the instant the last drop of his drink is drunk.

Speaking of drinks, *Saga* sug-

gests a Thunderclap; it's about twice the size of an ordinary Martini, contains 1 part brandy, 1 part bourbon, 1 part gin, and 1 tablespoon Grenadine. It has a lovely pink color, looks and tastes (?) harmless, but . . . One is enough!

The meal to follow is graphically described and recipeed by *Saga*. Some of the more important things to remember are the sherry in the soup, the Coin treau in the roast, the bourbon in the carrots, the champagne or white wine with the dinner and the brandy with the coffee. If the directions of this paragraph are followed, strict adherence to the rules mentioned above is not essential to success.

With appropriate music in the background, you've got the situation made.

# California Tech

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## Secretary's Report

A homecoming rally, a television show, a Caltech delegate to a students' conference in Indonesia, and membership in the National Students' Association were among the ideas tossed into the wind at the ASCIT Board of Directors meeting held last Monday night. While all are still in the planning stage, they are presented here for student body opinions.

### Oxy rally

Proposal for the Oxy game rally November 12 this year are getting to look more and more like a traditional collegiate homecoming celebration. The most popular suggestions so far include a football queen to be selected from a nearby school (not Occidental!), a picnic and rally near the Rose Bowl, and a dance afterwards.

The ASCIT Board has grudgingly passed on its right of selection of the queen to the student body, which will hold a Thursday assembly to pick the queen, providing qualified candidates are available. Present plans also call for a picnic supper at Brookside Park Saturday night, a pep rally, and a procession into the Rose Bowl for the game. Afterwards, a victory dance, co-sponsored by the Alumni, will be held in the gymnasium. Rally Commissioner Frank Kofsky will work out these ideas.

### Television show

Caltech may hit the national television networks October 30 on NBC's "Wide, Wide World" Sunday afternoon show. NBC has extended an invitation to our publicity department to present a human-interest topic for a short spot. The nature of the subject has yet to be determined.

### World University Service

Some fortunate Caltech student may get a trip to Indonesia next summer as a result of maneuverings at the recent World University Service Area Advisory Council meeting, held last Saturday at the Caltech YMCA. As a consequence of some slow talking by Caltech's delegates, Howard Berg, Leon Keer, and Don Pinkerton, Caltech assumed responsibility for raising funds (not from students) for the expenses of a delegate from Southern California to the International WUS conference in Indonesia. After this, Caltech will probably name a delegate to the conference.

The World University Service, as every Caltech charity drive solicitor knows, gets a sizeable share of funds from the fall drive. These funds are used to buy textbooks and furnish other aids to foreign universities and students. Some of the schools, for example a Philippines University, are primarily dependent on WUS aid for their supplies.

The WUSAAC, an organization of Southern California schools, discusses the aid program and plans drives and publicity. Last Saturday a Redlands co-ed presented a report from the international WUS conference in Helsinki, Finland. With a trip around the world in prospect, we expect a rising interest in the supply of geography textbooks to Timbuktu.

### National Students Association

If this isn't enough to spread Caltech men around the world, perhaps the National Students' Association will do the trick. The NSA, a new and growing student movement concerned with student needs, is interested in adding Caltech to its membership list. Besides a number of services, perhaps the primary value to Caltech is the contact with other schools and other students. In the near future, the ASCIT Board and the Beavers will consider whether Caltech membership is worth the price.

At its next meeting, the Board will plan for the frosh-soph mudeo, appoint a business manager for Farrago, and discuss further developments in the above plans. Board meetings, held Monday night in Lower Fleming, are open to anyone.

Tom Bergeman  
ASCIT Secretary

### CAMPUS BARBER SHOP

In Old Dorm  
Where Everyone Is Welcome  
Paul A. Harmon

The big T has for sale a 4x5 Speed Grafex, Wilcox Strobe Unit. See Don Nierlich. Worth \$125, make offer.  
Dabney 43

# Campus Brewins

"An ignorant man is a happy man."

Happy Dick Kirk.

### Frosh high jinx

Posing as a Frosh at the Frosh Tea Dance wasn't at all difficult for your Baby-faced Beak, but he was horrified at the number of incognito upper classmen who had the same idea. They were easily distinguished from bona fide frosh; some even had incipient beards. After only half the dance the majority of Ashby's 150 blushing babes were nowhere to be seen. Three freshmen have already fallen prey to the wiles of scheming women, Kelly, De Gaston, and K. Brown were unwittingly seduced into attending a Pomona formal to be held months hence. These men need a course in the practical art of avoiding bothersome (i.e., all) women.

### Miss-led Misses

The aforementioned K. Brown was somewhat taken a back when he was accosted by three belligerent, unattached suffragettes, the president, veep, and

sexatary of the PCC Chapter of the MEN ARE EVIL Club. In spite of the odds being thus in his favor, he was nevertheless corralled into said date. No hope for that boy.

### Wanted: female javeliner

Philandering Phil Conley, who has succumbed to one and only one date during each of his first three years at Millikan's Monastery, has already exhausted this year's supply of dates by taking out an Ice Follies Star, then, in a wild effort to break his previous record, proceeded to bird dog a six foot blond amazon from Mayfield HIGH SCHOOL, at the Frosh Tea Dance. All the efforts of one tall house president, one nondescript punch server, and uncountable frosh, could not shake him loose. And him in training!

### Raunch raises ruckus

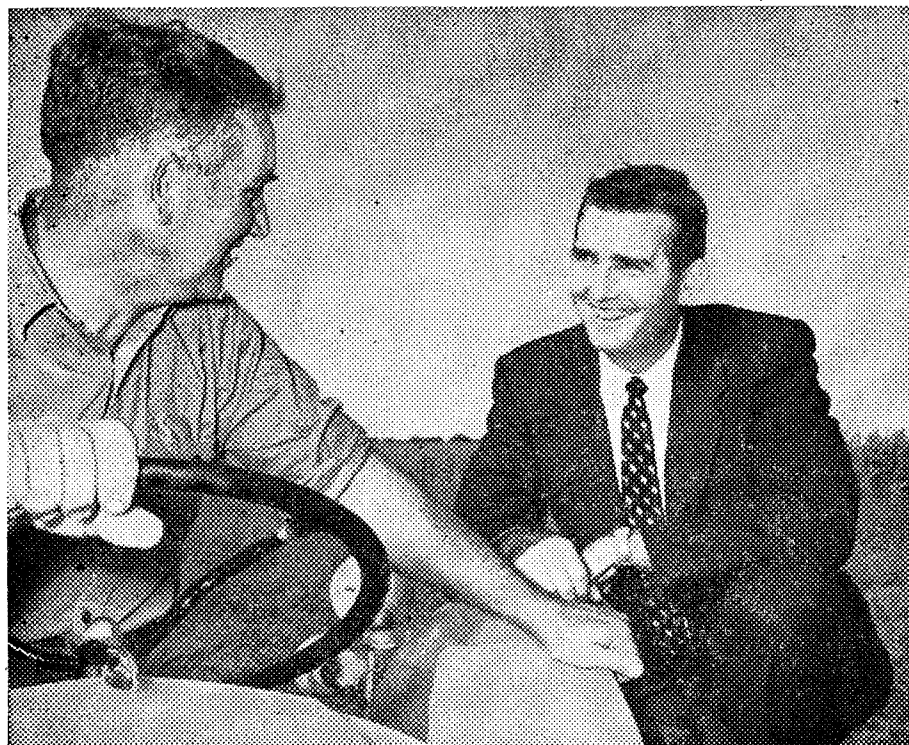
This week's T.S. trophy goes to Herby Raunch who asked his date, for a certain evening, to find blind dates for a trio of his buddies. Date later called back, saying she had found a girl who was dying to meet Herby. They

chatted a while, and Raunch gallantly inquired whether his lass would care to talk to one of the boys she was fixing up. He wandered away and got back just in time to hear his buddy saying, "Then I'm going with you, is that right?" and the faint echo of a "Yes" from the phone. Grabbing the receiver, he asked what the hell was happening. "Well, wasn't that the way you wanted it?" she asked ingenuously. "Er . . . ahh . . . well, I suppose . . ."

### Tansey in crack-up

The dangers of counting your bon mots before they're scratched are illustrated by the faux pas committed by Tansey. During the mass self-introduction conducted every other day during rotation, Shreve was greeted with a tremendous ovation. Tansey, next in line, arose and thanked them, one and all. Overexcited by the laughter aroused by his cute remark, he attempted to introduce himself, only to have his voice crack in mid-name. When will he grow up?

## A Campus-to-Career Case History



## "I represent 30,000 people"

That's the population of the Mason City, Iowa, area where Jack MacAllister (Iowa U., '50) is Manager for Northwestern Bell Telephone Company. How would you like this kind of job?

"As Telephone Manager I represent Mason City to my company, and vice-versa. Among my customers are bankers, farmers, housewives, merchants . . . each with different questions and problems about telephone service. Through public information and good business

office service, my people and I do our best to furnish the answers.

"My assignment calls for varied activities—sales, public relations, office supervision. One minute I'm describing a new construction program to a group of businessmen . . . the next explaining a new service to a rural customer.

"It's a job with lots of variety and responsibility, and I enjoy every day of it. My supervisor is 75 miles away," says Jack, "and that puts me pretty much on my own—which is the way I like it."\*

Jack MacAllister graduated with a B.S. in Commerce and started with Northwestern Bell about five years ago. As Telephone Manager at the age of 28, he is typical of the many young men who are building careers in telephone work. Similar opportunities exist today with other Bell telephone companies . . . also with Bell Telephone Laboratories, Western Electric and Sandia Corporation. Your Placement Officer has all the details.



BELL  
TELEPHONE  
SYSTEM

\*P. S. Since this case history was prepared, Jack has been promoted. Now a manager at Des Moines, Iowa, he has increased responsibilities.

# Sec's at Tech

by Karl Klutz

We were browsing through the main library in search of some old copies of **Playboy** when by mistake we wandered into the back room and to our pleasant surprise, found ourselves confronted by an attractive brown-eyed brunette. Figuring that a bird in the hand was worth two in the bush, we abandoned our quest for **Playboy**, got out our old frosh physics lab book and jotted down the pertinent facts, ma'am.



Doris Fullinwider

First things being first, we found out that our brunette is Doris Fullinwider, and for more or less obvious reasons we elected to call her "Doris." Like ourselves, Doris was born in Los Angeles twenty years ago, but she's by far the prettier. She stands five feet, six inches tall, weighs one-twenty and her official title in the library is: "book mender and processor."

Doris came to Caltech last July, following two years at Mt. San Antonio college where she majored in education, which we're sure is standing her in good stead now. Her plans include working here for a year and then going back to school to get her degree.

Doris has studied the piano for three years, and is interested in modern music of all kinds. Her favorite sports, spectator and otherwise, are football, sailing and bullfighting, having become interested in the latter during a two-year stay in Panama.

We asked Doris if Caltech men seemed unusual, and, tactful soul that she is, she replied in the negative, then as an afterthought she added that at first she was taken aback by the fellow who came into the library and laid on the tables. We pressed her for more details, and she said that there was one student who always did his studying in the library prone on one of the tables. Noting our look of disbelief, she promised to tell us when the mystery student came in and again mounted a table. We'll keep you posted.

## Banner seen at Bulldog tilt

Among the new additions on campus is the new Caltech banner. The banner has CALTECH in orange and white letters on a black background and is 5x24.

This banner made its first appearance at Redlands on Saturday night. During the half there was an unsuccessful attempt to capture the banner by Redlands.

The banner will be used at all home football games and at the Oxy game. It is expected that the same type of activity that was aroused at Redlands by the banner will occur at Oxy.

During the basketball season the banner will hang in the gym.

## New faculty feted at DuBridge tea

President and Mrs. DuBridge welcomed new members of the Caltech faculty and staff at a tea Saturday afternoon, October 1, at their home.

Caltech faculty and staff members and their wives who also welcomed the newcomers were Messrs. and Mesdames Robert Bacher, George Beadle, F. C. Lindvall, Linus Pauling, Robert Sharp, Paul Eaton, L. W. Jones, W. N. Lacy, Foster Strong, E. C. Watson, G. W. Green, H. H. G. Nash, Colonel and Mrs. L. F. Johnston and Dr. and Mrs. R. F. Webb.

## Students guide Tech visitors; Show museums, synchrotron

Guided tours of Caltech began Monday, October 3. These tours are conducted by student guides, and are designed to show visitors around the campus and through many of the buildings and laboratories. Among the points of interest to be visited are the geology and paleontology museums, the automobile engine shop, and the synchrotron, Caltech's electron accelerator.

## Shop applications due October 13

Applications for the Caltech Student Shop will be taken until 11 a.m. Thursday, October 13.

Those interested should see Walt Peterson or Chuck Moser. The cost for new members is \$1.00 initiation fee, \$1.00 yearly dues, and \$1.00 for a key.

Tours are held at 3 p.m. Monday through Friday, at 11 a.m. Thursday, and at 10:30 a.m. Saturday. The tours begin in Dabney Hall of the Humanities near the corner of San Pasqual Street and Michigan Avenue.

*the future resides in MEN WITH IMAGINATION!*

Los Alamos Scientific Laboratory, the nation's most important institution for the development of atomic weapons, is interested in interviewing young graduate engineers and scientists—particularly those wanting to help in the development of the atomic age.

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Jack: "Test me, darling."



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## Frosh gridders working into form

With just eight days left to whip a Frosh team into a sound offensive and defensive unit, Coach Ed Preisler is working overtime with his players preparing for that big opener against Pomona-Claremont on Friday, October 14. Weight is a big problem which will have to be overcome before then. It seems that we're fielding a much lighter team than last year. In spite of this though Coach Preisler is placing a lot of confidence in this group of relatively inexperienced players, and with good reason, apparently. Bob Ingram is really playing smooth ball in the quarterback spot, his six foot-two inches combining well with a very accurate passing arm. At halves, Fred Newman and John Everett are both showing promise as steady performers. Bob Huebotter is demonstrating a lot of hustle in the fullback position to round out the backfield picture. Backing this crew up will be Bob Engelberg who also has a deadly passing arm, and Frank Childs, who is blocking and tackling well at the halfback spot.

The line is led off in a booming way by Russ Pitzer, a 190 pound guard or tackle and Joe Hughes, a 215 pound boy with experience at both spots. Stevens and Alcorn also look like good bets for line berths, with Ricks or Baer plugging up the center. Out on the ends Kelley and Price are showing a lot of spirit and ability. The team is green as far as experience goes, but their spirit might make them a good team.

## Sportingly yours,

by Bill Davis

All of you who made the trip to Redlands last week really saw a whopper of a game. It was the closest Tech has come to winning a game in the three years I've been here. If it wasn't for two penalties we would have had an insurmountable 21-0 lead at half time. As it was we were tied 7-7 and Redlands superior reserve manpower made the difference in the second half. Phil Conley was out for only two plays during the entire game. Ed Krehbiel played about as much.

For being the favorite for the conference title, Redlands didn't show much Saturday. One thing Tech showed was the ability to keep a drive going. Several times they marched the full length of the field.

Occidental showed signs of power by dumping Santa Barbara, as did Whittier by whipping Arizona State at Flagstaff. The Beaver team could still be a major factor in the conference race if they are only able to get out of the habit of losing. One victory would certainly change the team's outlook enough to make them a real ball club.

The game with Cal Poly this weekend could be the big chance to break into the win column. The team has certainly got a little more confidence. Last week Cal Poly dumped El Centro 27-0. They also have a larger and more experienced squad. Coach LaBrucherie says the team is going to come through and win this one, but I'm going to have to pick Cal Poly by 7 points and just hope that I'm wrong.

The frosh football team certainly doesn't look like any model of depth. Experience in football is the exception rather than the rule on the squad. The line is very shallow and part of the backfield is not much better off. Probably the brightest spot is the quarterback slot where there is a battle going on between Bob Ingram, an experienced quarterback who lettered two years at Alhambra High School, and Mike Engelberg, who has no previous experience but appears to be the better passer of the two.

It seems like there are several sleepers in the freshman class. There are several fellows with experience in football who have not turned out for the frosh squad. Coach Ed Preisler will welcome with open arms anyone who knows how to play ball.

The water polo team looks like a good bet to win the conference title this year. Five first stringers back from last year, plus two men up from last year's frosh team, will probably make up the starting lineup. Leading the team will be the strong right arm of Jim Ball which should make him the leading scorer in the conference. Clarke Rees at centerback will lead the defensive unit as well as make use of his tremendous speed to set up the offensive plays.

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# Penalties cost Beavers win over Bulldogs, 14-7

Caltech's varsity football team opened its season with a bang Saturday by pushing a highly favored Redlands team all over the field for two quarters, only to tire in the second half and drop a 14-7 decision.

The Beavers completely dominated the first quarter, playing in Redlands territory the entire period. After Caltech's initial drive petered out inside the Bulldogs' 20 yard line, Redlands took the ball, but couldn't make the necessary yardage for a first down, and was forced to punt. Don Stocking, sophomore halfback, gathered the kick in on his own 48 yard line, took off down the middle of the field, and outsprinted 21 other players to score Tech's first touchdown of the 1955 season.

Chuck Malone kicked the extra point and completed his exhibition of fancy footwork by hitting a Redlands lineman in the back with his kickoff, enabling Kyle Bayes to recover for Tech on the Bulldogs' 45.

Paced by Ed Krehbiel's powerful running from the fullback slot the Beavers drove to the Redlands two yard line in a drive which saw two Tech scoring thrusts called back because of penalties. The Bulldogs' defense stiffened, however, and they started a scoring drive of their own, which was capped by a 13 yard TD run on a double reverse by Dean Smothers. Sophomore tailback Howard Tip-

ton kicked the extra point and the teams left the field tied at halftime, 7-7.

The second half was all Redlands, as the Bulldogs' reserve strength began to tell. The winning touchdown came in the third quarter on a 44 yard screen pass play from Tipton to Howard Newmann, and the rest of the game saw the tired Techmen trying futilely to tie the score.

Outstanding both on offense and defense for the Beavers were backs Krehbiel, Stocking, and quarterback Phil Conley, while Larry Whitlow, Ed Nelson, Kyle Bayes, and Larry Berry were the big guns in the line.

**Statistics:**

|                     | Caltech | Redlands |
|---------------------|---------|----------|
| First downs .....   | 14      | 10       |
| Net yds. rushing..  | 125     | 211      |
| Net yds. passing..  | 77      | 93       |
| Total net yardage   | 202     | 304      |
| Passes att. ....    | 15      | 12       |
| Passes completed    | 6       | 7        |
| Passes int. by..... | 2       | 0        |
| Yds. penalized .... | 40      | 70       |

## Tech meets Cal Poly next

Bert La Brucherie's varsity footballers travel to San Dimas tomorrow to meet the Cal Poly Bronchos in the second game of the season for both teams. Despite absorbing a 14-7 loss at the hands of Redlands last week while the San Dimas squad was trouncing El Centro JC, 27-0, the Beavers looked so well in losing that they rate as good bets to snap their 26 game losing streak.

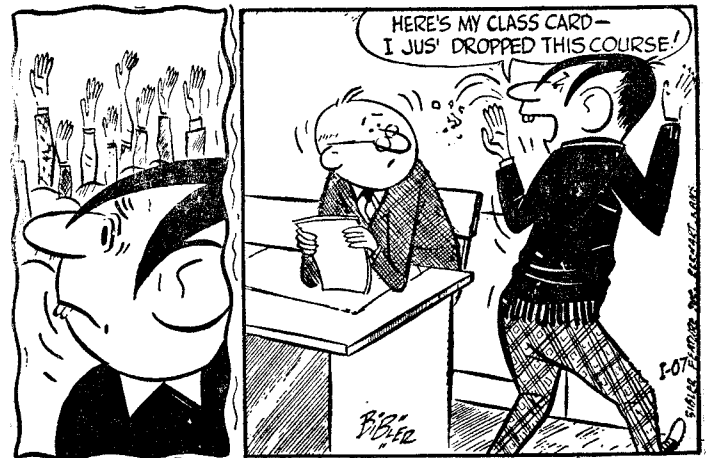
LaBrucherie will probably stick with the same starting lineup that held Redlands at bay in the first half of last week's game, though Chuck Malone, junior halfback, may be hampered by a forehead gash suffered in the second quarter.

**CAL'S  
CALTECH BARBERS**

906 E. California  
SY 3-7554

**LITTLE MAN ON CAMPUS**

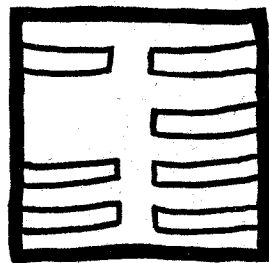
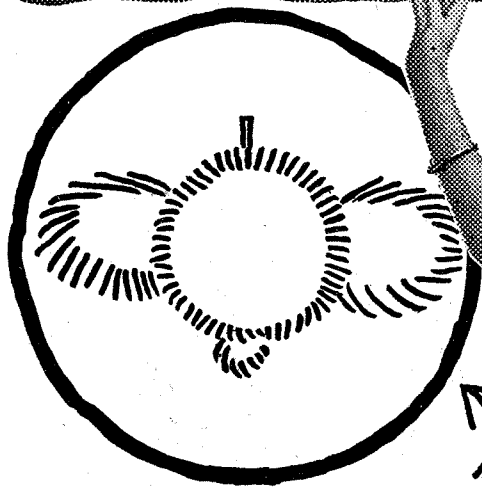
by Dick Bibler



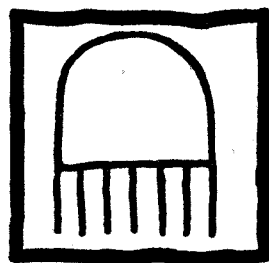
## Soccer teams open season this Saturday

Soccer season opens with a bang this Saturday when the Varsity meets the Pasadena Cosmopolitans in what figures to be the toughest workout of the year. While this is only a practice match, coach Bob Huttenback's men will be up against a

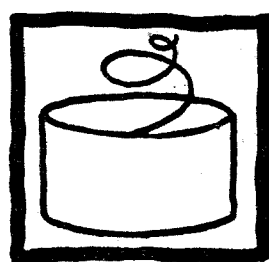
**LET'S GO! IT'S LUCKY DROODLE TIME!**



**X-RAY OF ADAM (AFTER EVE)**  
Judith Hey  
Boston U.



**OCTOPUS AT ATTENTION**  
Jerry Romotsky  
North Texas State



**SPRING HAT**  
Dale Sponaugle  
West Va. U.

**WHAT'S THIS?**  
For solution see paragraph at right.

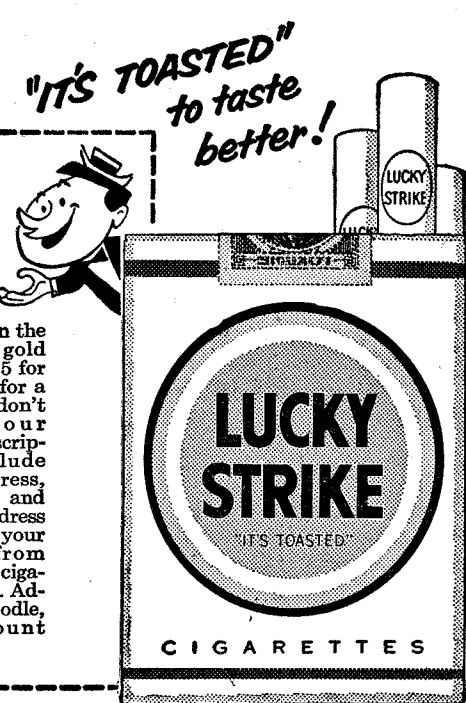


**IF YOU'RE UP A TREE** about what cigarette to smoke, there's a pleasant point of view in the Droodle at left. It's titled: Davy Crockett enjoying better-tasting Lucky as seen by b'ar in tree. Luckies taste better for a *hatful* of reasons. First of all, Lucky Strike means fine tobacco. Then, that thar tobacco is *toasted*. "*It's Toasted*"—the famous Lucky Strike process—tones up Luckies' light, mild, good-tasting tobacco to make it taste even better... cleaner, fresher, smoother. So set your sights on better taste—light up a Lucky yourself!

DROODLES, Copyright 1953 by Roger Price

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# Cool Corner

by Frank Kofsky

Lennie Niehaus Volume Three, the Octet No. Two, a Contemporary Records LP (C3503) featuring: Lennie Niehaus, alto sax; Bill Holman, tenor sax; Jim Giuffre, baritone sax; Stu Williamson, trumpet; Bob Enevoldsen, valve trombone; Pete Jolly, piano; Monty Budwig, bass; Shelly Manne, drums.

Ever since the late Charlie Parker, known as "Bird" to his followers, passed from the local scene, from time to time people in the jazz world have speculated as to who would take over his position as the leading alto saxophonist in jazz. For many people the question has been answered by the release of the recorded works of Lennie Niehaus, on Contemporary Records.

Lennie Niehaus left the army in June of 1954, and within a month, on the basis of recommendations by Howard Rumsey and Shelly Manne, Contemporary had signed him to a contract and recorded the Lennie Niehaus Quintet (C2513), soon followed by Lennie Niehaus Volume Two, the Octet (C2517). The third volume was released in the spring of 1955.

Like so many modern jazz musicians, Niehaus is a facile and aware composer as well as being an accomplished instrumentalist. Since neither of these art forms, composition nor playing, occupies a position subordinate to the other, any discussion of this nature must differentiate the soloist from the composer-arranger.

Niehaus the soloist personifies the best attributes of the contemporary jazz musician. His tone is crystal clear, his music, clean and flowering, with a strong sense of rhythm. Niehaus' solos are completely original and fresh, yet they are easy for the listener, even if he be a newcomer to modern jazz, to comprehend.

Niehaus the composer-arranger is a seeming paradox. On the one hand, he has stated that modern jazz, to remain good jazz, must refrain from becoming overly-intellectual and esoteric, yet on the other hand he has borrowed from the classical masters, Bach to Bartok inclusive, to keep the listener's interest at a maximum. Niehaus writes, for the most part, in a contrapuntal style in which the horizontal lines are independent of each other but move along vertically, in the majority of cases. That his compositions are

neither discordant nor repetitious reveals his all-too-evident talent. Incidentally, Lennie is more or less of a local product, having attended Los Angeles City College for two years, Los Angeles State College for three, majoring in music theory and composition and receiving his BA and teaching credentials from the latter institution. He wrote several legitimate compositions, including a violin sonata, a woodwind trio and several clarinet quartets, during his college years.

Although the majority of the solos in the album are played by Niehaus, the other artists, all familiar figures in West Coast jazz, appear to good advantage.

## Flu shots ready at Health Center

Flu shots are now available in the Health Center free of charge to both undergraduates and graduates. Faculty members, employees and dependents may also take advantage of this service for the fee of \$1.00.

## Neher to speak to Physics Club

Tonight will see the first meeting of the Physics Club. It meets every other Thursday night at 7:30 in room 100 Kellog. This week's meeting will feature Doctor Henry Victor Neher who will speak on cosmic rays and tell the club about his summer in Greenland.

The president of the club is Fritz Trapnell and the secretary-treasurer is Lyman Fretwell. Refreshments will be served and everyone is invited to attend.

## Monday set for debate club meet

Pi Kappa Delta president Ray Orbach has announced another congregational meeting for those interested in participating in Caltech speech activities this term.

At 7:30 Monday night, October 10, in 208 Dabney the debaters will settle upon times for practice debates. All those who attended the previous meeting are urged to come to this half hour get together.

## Convention to hear famous physicist

As the high point of their annual convention, members of the national ASS will hold a banquet meeting tomorrow night in the Athenaeum kitchen. Principal speaker on the evening's program will be Dr. Max Schwartz of CTA.

Dr. Schwartz, who matriculated at Northwestern in 1944 and has now reached his senior year, will expound what he claims is a partial unified field theory, or an ordered mathematical representation of the physical universe in terms of one basic equation relating nuclear forces to the sex drive.

According to his theory, Dr. Schwartz explains, all electromagnetic phenomena are reduced to simple gravitational manifestations by the introduction of the grapefruit factor, which expresses all inverse-square force fields as sums of infinite sequences of airplanes.

By means of this reduction, Dr. Schwartz's theory shows rigorously that kangaroos are not erotic except when canoe trips are held in April.

**DR. BROWN**  
(Continued from Page 1)  
Among the Soviet exhibits was a model of a nuclear reactor plant which the Russians now have in operation generating 5,000 kilowatts of electric power. Dr. Brown believes that the U.S. is definitely not secure in its position of leadership in atomic power development; the Geneva Conference, he feels, showed clearly that the Russians are advancing very rapidly in this field.

Dr. Brown stated that, in his opinion, one of the most significant accomplishments of the conference was that it pointed out clearly that the existing conventional energy supplies fall far short of meeting the total energy requirements throughout

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