

## Scripps exchange to start with LA State football game

By Bill Purves

The year's first official social mingling for Techmen has been slated for this Friday night, October 8. A conflict between the L.A. State football game and the annual Scripps Open House had threatened to cancel the latter, but first rep Bob Kausen has come up with the following brilliant solution: seventy-five or more beauteous damsels from behind the Great White Wall will be transported to the game. The evening will be climaxed by Tech's biggest and best after-game dance, to be held in Dabney Lounge.

For the volunteer chauffeurs, the evening will begin with a sumptuous dinner served at one of the Scripps halls. As if car owners needed further bribes for their services, each driver will be paid \$1.25 for gasoline. Best of all, these men will naturally get the first chance to become acquainted with the six or so lovelies whom they escort.

### Let's operate, men!

Arriving at L.A. State shortly after kickoff time, the girls will be Caltech's guests at the Beavers' first victory of the season. Naturally, the femmes will be unfamiliar with Tech rooting techniques, so the alert student will find it well worth his time to perch by the nearest doll and teach her the yells and songs, explain which team is which, and generally acquaint her with the finer points of the game.

After the alma mater has been sung, Schmippies and Techmen

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## Pep rally slated for October 14

A pep rally will get this year's ASCIT assembly program off to a flying start next Thursday morning, October 14, at 11:00 in Culbertson Hall.

Cheerleaders Curt Schultze and Frank Kofsky will lead Techmen in the yells while the music will be supplied by members of the Caltech Band.

An important feature of the program will be a talk by coach Bert La Brucherie, during which he will introduce the members of this year's team.

## Musselman's dreams realized as new gym, swimming pool near completion

Thirty years is a long time for anyone to wait, but for Harold Musselman, Tech Director of Athletics, each one of those years has brought him closer to realizing his dream of a gymnasium and swimming pool for Tech. It must be a frustrating job to be in charge of athletics at a school where the athletic department is housed in a cast-off temporary building and where the locker rooms should, by all reason, have fallen down years ago. But you can tell in an instant by that gleam in his eye when you talk with Mr. Musselman, that you are talking to a man who is about to see his visions come true.

We learned from him that the contractor is only slightly behind schedule on the Scott Brown Gymnasium and Alumni

## Fun and frolic in frothing foam at Tech-by-the-sea

By Bill Purves

Be it known to all men by these presents that there exists a Caltech campus free of smog, bathed in fresh salt air, 99.44% homeworkless, and overrun by young (!) and innocent (?) females. Where? At Corona del Mar, beautiful and well-stocked suburb of Balboa, world-famous market of sun, sand, and s-x.

Seven bright-eyed biologists and a bleary-eyed Chuck Brokaw, student teacher par excellence, although red-eyed from snaking third term finals and taking a dim-eyed view of such an early start at first term, formed this summer's student body.

### No eight o'clocks!

Five days a week the scholars settled in their chairs at 8:30 for a sterling one-hour lecture by Dr. Democrat Davenport of UCSB. From 9:30 till noon seven rusty scalpels and seven pairs of forceps rummaged through the outraged innards of *Stichopus californicus*, *Strongylocentrotus purpuratus*, et al. Class resumed at two o'clock for two more hours of happy visision and the afternoon binocular lab for the study of fine specimens of *Homo sapiens* on the beach outside the window.

Art Kamii fed the troops mounds of spaghetti and suki-yaki for 85c a day, and a few hours of painting the lab erased the room bill. Four to five hours of sun each day were enjoyed by all, even redhead Bob Cleland. Six evenings a week were open for bridge, bullslinging, cruising about Balboa, or the finer pursuits indulged in by Brokaw and two of the more precocious students.

Anyone interested in spending six weeks in pursuit of knowledge of **Invertebrate and Vertebrate Boology** with extra-curricular experiments on human subjects should enlist with General C. W. Beadle, 205 K. It's the world's best and cheapest summer vacation!

Swimming Pool and that the present date for completion is around December 1. And a few days later, the Tech basketball team, after practicing and playing in practically every gym, barn, armory, or building with two hoops and a floor within a radius of ten miles of Pasadena, will play its first game on home soil. The basketball game with Redlands on December 10, will mark the end of wandering for a team that has played its "home" games on twenty-two different courts in the past thirty years.

Once Tech gets the use of its own swimming pool, there is a strong possibility that the steady diet of "spiritless volleyball" which has been the main ingredient of physical education classes will be enlivened. As pres-

## Film series begins Sunday; "Mutiny on the Bounty" first

"Life of Emile Zola", "Le Million", "The Winslow Boy" also on program

Caltech's Film Series begins next Sunday, the 10th, in an acoustically improved Culbertson auditorium. First on the program is "Mutiny on the Bounty" (Clark Gable and Charles Laughton), followed by "Le Million" (French), "The Winslow Boy," and "Life of Emile Zola," to be presented on alternating Sundays. The first two films require series tickets for admission. They can be bought from the Y office, Don Evans in Blacker House, Janez Bordeaux at JPL, or at Culbertson auditorium the evenings of the movies

## Tech YMCA plans program this weekend

All Caltech students are invited by the officers and Board of Directors of the Caltech YMCA to attend that organization's Fall Planning Conference. The conference will be held this year at J. Stanley Johnson's home overlooking Emerald Bay near Laguna Beach, Saturday and Sunday, October 9 and 10.

### See Wes Hershey

According to Y president Ted Matthes, any Caltech man interested in Y activities is invited to attend the planning conference. Interested persons should see Wes Hershey in the Y office in Dabney Hall, as soon as possible.

### Purposes of conference

Three purposes for the conference have been advanced by Y President Ted Matthes: to give direction to the Y program this year, to think of new ways to make the Y more meaningful to all students, and to have fun on the beach together.

### "Can engineers be students"

Highlighting the weekend's events will be Mr. Hallock Hoffman's talk on "Can Engineers Be Students?—The Caltech Student and American Democracy." Mr. Hoffman is the Assistant to the President of the Fund of the Ford Foundation working on Civil Liberties and Racial Problems.

### Cost \$3.50

Cost to the students will not exceed \$3.50 for meals. They will leave 4:00 Friday afternoon and return before Sunday supper.

## New Charity system begun

No longer will Tech men have to chase evasive faculty men for charity contributions, and no longer will the faculty be badgered by soliciting undergrads.

Starting next Monday all non-student Institute personnel will be able to make all charity donations to AID, Associated In-group Donors, an association of donors for more efficient charity contributions.

The plan will enable donors to contribute by payroll deductions to a kitty which is divided according to previous donations and need among the campus YMCA, the Pasadena Commu-

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## String sextet appears here

Caltech's annual chamber music concerts will start this year with the Paramount String Sextet playing the two string sextets of Brahms in Dabney lounge at 8:15, Sunday, October 17. This concert is the first in a series of 13 to be presented this year. These concerts are free and open to the public.

Following the Paramount String Sextet will be two concerts to be presented in the student houses. These will feature the Schoenfeld sisters in a string trio, and will take place October 21 and November 4.

## Flu shots available at Health Center

A sure cure for the flu blues is available at the Tech Health Center. Flu inoculation shots are being given free through October 15.

After a rather large number of cases last year, these shots given second term cut subsequent infirmity cases down to two for the rest of the year.

Since immunization lasts only one season, Dr. Wood recommends another shot now.

Only those without a cold may be inoculated, at any time throughout the day.

This term's film program is blessed with an improvement in sound reproduction that has long been awaited. During the summer, Culbertson was paneled in acoustical tile. In the future this will allow audiences to enjoy musicals, not to mention allow them hear what is being said.

"Mutiny on the Bounty" is the classic Charles Laughton portrayal of a brutal sea tyrant. It is based on the Nordhoff-Hall story and is a very massive, complex production. Included

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## Businessmen chosen as new Tech trustees

Robert L. Minckler, President of the General Petroleum Corporation of Los Angeles; Alden G. Roach, President of the Columbia-Geneva Steel and Consolidated Steel Divisions of the United States Steel Corporation; and Howard G. Vesper, Vice President of the Standard Oil Company of California, have been elected members of the Board of Trustees of the Institute, it was announced by James R. Page, Chairman of the Board.

Mr. Minckler, an alumnus of the University of Washington, has been associated with the General Petroleum Corporation since 1924. Following wartime service as Director of Petroleum Supply of the Petroleum Administration for War, he returned to General Petroleum and became President of the company in 1948. He is active in Southern California community affairs, and since 1948 has been a member of the California Institute Associates, serving as director of that group since early this year.

Mr. Roach, a civil engineering graduate of the University of

(Continued on Page 6)

## Junior class holds assembly Oct. 14

The junior class will hold a nominating assembly next Thursday, Oct. 14, at 11 a.m., on the lawn between Ricketts and Fleming.

Candidates will be nominated for the office of class vice-president. This office is vacant because of the exit of Art Takido, who is now in the army. The class election will be held the following Thursday after lunch.

### California Tech

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## Vice-President's Message

This article will be the first in a series of two concerning the Honor System. They are being written partly to help acquaint the freshmen and new transfer students with the system and partly to bring it more into the limelight for the rest of the student body. A sample case will be presented in the next article.

I am convinced that nothing can sell the Honor System as well as it can itself. Therefore, my advice to the new students is to be conscious of the Honor System. Observe the way it works in every phase of campus life and ask questions about anything which is not clear. I would like to recommend that these questions be directed at members of the Board of Control and particularly at me. All of us are quite willing to discuss the Honor System with anyone. It is part of our job.

The Board of Control members for this year are as follows:

- Seniors.....Chuck Brokaw and Al Helgesson
- Juniors.....Lyman Fretwell and Tom Bergeman
- Sophomores.....Rube Moulton and Craig Elliot
- Freshmen.....Ken Collins and Jon Stedman
- ASCIT President.....Jim Adams
- ASCIT Secretary.....Ted Johnson
- ASCIT Vice-President.....Vince Marinkovich (chairman)

These are the men who, with the exception of the freshmen, you have elected. It is important to remember, however, that the election of these men does not relieve your responsibility to the Honor System. Not only have you the responsibility to see that the Honor System is perpetuated, but you also have the added responsibility to see that the mechanism which you established to perform this task, the Board of Control, is effective in performing its duties.

You do this by letting the Board know of any occurrences or actions, by the students or faculty, which in your opinion endanger the workings of the Honor System. Keep them informed and they will do their part in insuring that our Honor System maintains its proud tradition.

#### Letters:

### Tech grad lauds Fulbrights

By Leon Vickman EE '53,  
Fulbright scholar

The Fulbright program for graduate study in foreign countries is part of the government educational exchange system, and is certainly one of the finest scholarships, both in theory and in practice, offered to the graduate. The Fulbright Grant should not be underestimated, nor should it be looked upon as "just another scholarship," among the swarms seniors seem to have to choose from.

#### What is the Fulbright Grant?

The Fulbright Grant is a grant for study and the promotion of understanding of the United States abroad.

The grant is based on the principal that personal experience is the best way to learn about another country, and one of the best ways to promote an understanding abroad of American life and ideals. It is a grant that pays very well (the grantee receives a monthly check covering all his living expenses, full tuition, books and registration fees, as well as travel expenses from his legal address in the

United States to his foreign university, and back again). In France, where I have my Fulbright Grant, university tuition is almost negligible; the overall sum given to us here is generous.

The Fulbright program is very well organized. Many outside activities are set up by the Fulbright Commission in the host country. In France, as in most other countries, a month long orientation program is given which irons out language problems and gets you into the new atmosphere with a minimum of inconvenience.

My grant is in Paris, where the institution of the Caltech student house is replaced by the charming co-ed institution of the sidewalk cafe. Also, of course, in Paris, or Europe in general, the student has a good time of it, since his position is respected the plays, the ballets, the films . . . the multitudes of cultural opportunities here. At the same time I say, with all sincerity, it will give you a new sense of loyalty for the United States,

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## Landsmen invited to sailors' meeting

There will be a meeting of the Sailing Club tonight at 8:00 p.m. in 206 Engineering. There will be a program presented and a discussion of this year's plans.

The club is planning to spend a great deal of time this year, as they did last year, at the Los Angeles Yacht Club sailing their Glascats. All frosh and upperclassmen who are interested in sailing are invited to attend the meeting.

## Rifle-Pistol Club has new weapons

From the land of dead-eye marksmen comes a case of Winchester M52 rifles for the use of the Rifle and Pistol Club.

All powderburners who want to shoot free ammunition for sport and competition should come to Building T-1 Wednesday night at 7:15 for transportation to the range at (ugh!) Oxy. For further dope, see Don East in Fleming, Don Evans in Blacker, or Sam Phillips in Ricketts.

Tech Senior: "Do you enjoy Kipling?"

Schmippsie: "I don't know—how do you kipple?"



Fellow prof: And where are you staying this year?

Student house R. A.: "I'm living over there with the kiddies." (Overheard by the beak last week.)

This week Caltech's rambunctious kiddies started responding to the school bell, but in the recess periods, exciting games went on as before—cops and robbers (with an orange banner), tag (all Techmen are "it"), and "capture the freshman."

#### Here I come, ready or not

Life continues unabated in the sunny southwest corner of the quadrangle as the last day of rotation rolls around. Prexy Wag started the quail season early helped along by 9 willing "bird dogs" when 10 San Gabriel high school girls interrupted his meditation at Music City (of Sunset and Vine fame). After many

hours of fruitless chase during which Wag and friends (male) attempted to befriend his friends (female) the whole venture was cast off as a loss. Conclusion none. Score: zero.

#### More than words . . .

Jetter chalked up a minus score on the very same day with the first Scripps date of the season. While waxing enthusiastic over the sports cars at the county fair, big Bob kept idle chatter to a minimum. The Beak can report (confidentially, of course) that a total of ten words were spoken during the afternoon and evening. An impression was made.

#### Seasonal colors

Fleming lounge brightened with new fall colors this week as the spirit moved three freshmen to decorate the mantel with (Continued on Page 4)

## A CAMPUS-TO-CAREER CASE HISTORY

*"All the answers aren't in the book"*

W. D. Garland, E.E. '52, Univ. of California, is working for the Pacific Telephone Company. We thought you'd be interested in what Don told us about his first assignment.

(Reading time: 45 seconds)



Here Don Garland makes noise distribution measurements with a Level Distribution Recorder

"My job is to help solve problems of noise and other interference on telephone lines due to power interference. Inductive co-ordination is the technical term for the work.

"First thing the Chief Engineer explained to me was that 'all the answers aren't in the book.' He was right. Most of the problems have required a combination of electrical engineering, a knowledge of costs and generous amount of ingenuity. I like it that way. It's given me an immediate opportunity to put into practice the theory I learned at school.

"In addition to this on-the-job experience, I have attended several special training courses conducted by the company. Now I'm breaking in a new man, just like when I started."

Don Garland's work is typical of many engineering assignments in the Bell Telephone Companies. There are similar opportunities for college graduates with Bell Telephone Laboratories, Western Electric and Sandia Corporation. If you'd like to get more details, see your Placement Officer. He will be glad to help you.

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# The COOL Corner

By Frank Kofsky

If you are wondering what in the devil the above title refers to, stop. Allow me to inform you that "The Cool Corner" will be around from time to time to deal with the many facts of cool jazz, i.e. progressive jazz, i.e. the modern sound. Before you stop reading, I would like to say that before I came to the Institute last year as a freshman I knew comparatively little about progressive jazz. During the ensuing period of time, however, by dint of listening and studying records owned by such stalwarts as Patraw, Breitbard, and Harford, I came to know and enjoy the efforts of the leading modern sound musicians. Their music has helped to pass away many an otherwise boring hour, and I feel I would like to share these enjoyable experiences with others.

### What's jazz?

To begin with, I'd like to elaborate on jazz in general, and more especially, the cool jazz. To define jazz, I shall start out by telling what it is not. It is not, strictly speaking, classical music. But more important, it is not the semi-worthless, commercial material masquerading as "popular music" that can be heard on any AM radio, any time of the day. Jazz has been defined by music critics and teachers as America's only original art form, and while this definition is true, it is incomplete. Jazz, especially the cool school, might be said to be a form of music featuring improvisation, oftentimes becoming atonal, i.e. without a central key, or polytonal, having several instrumental voices in different keys simultaneously. Of course this definition still doesn't tell you what cool jazz sounds like, but there is only one thing that ever will—the music itself.

### Homework

For next time I hope to give a brief history of jazz that may help us get a better perspective on the contemporary jazz situation. In the meantime, why not get the jump on me by stopping in a record store and listening to either "Touch of Genius" or "You're Hearing Shearing," two long-playing MGM albums featuring the blind English jazz pianist, George Shearing. These records are different enough to be refreshing, yet enjoyable enough to please the ear. You'll like them.

### SCRIPPS EXCHANGE

(Continued from Page 1)

will travel to Dabney Lounge for an exchange dance. While the atmosphere may perhaps be not so romantic as that in Browning courtyard, it must be remembered that the Scripps lo-fi music system is far inferior to our own set, untouched by human hands (made by EE's).

### Two o'clocks?

While he makes no rash promises, Bob Kausen hopes to arrange things so that all the ladies will have two o'clocks. Allowing for travel time, this effectively makes the dance last one and a half hours later than it would if held at Scripps.

## Europe via Fulbright

(Continued from Page 2)

and tolerated. The atmosphere of study is prevalent (except before and after vacations), but that of informal discussion and general cultural gathering is as important for most students. The Fulbright Grant allows you to enter European student and cultural life under the best possible conditions. Your experience is educational as well as cultural.

### No grind

As for engineering and science, Europe offers a great deal on the theoretical side. There is no grind, in the Tech sense, except toward the end of the year, when the big exams come up. The student has a great deal of freedom. No one pushes him. He is completely on his own (except for monthly talks with the Fulbright advisor).

### Personal impressions

My impressions and experiences are too varied to fully explain. I can simply say I feel the Fulbright Grant is a great thing. It gave me the chance to become part of another kind of life, one so different and yet somewhat like ours in the States, that it becomes a challenge to quickly adapt to new ways and attitudes. I found myself with a good amount of spare time, and became associated with a

group of French and American artists, who gave me an active part in their group's activities. It seems almost logical that I should become part of such a group since they represent the sort of activity the Fulbright Commission want the grantees to get into.

### Valuable

Some people may tell you going to Europe will just set you back a year in your career. I tell you it will put you ten years ahead in terms of general experience and will no doubt give you a new and gratifying outlook on life, as it did for me. Through the work I have done in my spare time I have entered French intellectual life and hence have met some of the important artists in Europe, even become good friends with two of them, Jean Cocteau and Darius Milhaud.

For the man who wants to get a full idea of what life is, a year in Europe on the Fulbright Grant will give it to him. I need not mention the concerts, since you find yourself here as an unofficial representative of your country, and as an American abroad you find you are just a foreigner . . . one who is at the same time admired and sus-

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# Causes of Asian crisis revealed in pickle study

By Pill Burves

It was with extreme surprise (and intense dismay) that we discovered that this year's editorial policy called for an extensive study of foreign area problems. Our first inkling of this came quite recently with an assignment slip in our mail box: "Please write story on pickle situation in southeast Asia." Signed Morby Tigora. The footnote ended all hope: "This should be a real challenge; don't let us down."

Deep, detailed delving in the literature yielded no fruits; nor, for that matter, any evidence of pickles in this region.

Until, that is, we stumbled over the feet hanging out of the sub-sub-sub-basement of Robinson Lab. Actually, the feet had nothing to do with it (they belonged to a lost freshman who had settled into a fitful slumber before finding his way out of the building). But the ensuing crack on our head (or heads) set us to thinking. Rather profanely at first, we might add.

What, we thought, could be the function of pickles (sweet, dill, or breadandbutter) in south-

east Asia? Certainly no self-respecting citizen would think of eating them with his rice. They must be used as a weapon! This was our clue!

And now we unfold the tragic tale of the fall of the greatest fortress of Indo China. The night before the defeat, sweet pickles (deadlier and more subtle than strichnine) were slipped into the soldiers' and citizens' rations. The next day the groaning army was unable to check the Red onslaught. Only two heroes were seen that day: noble General Christian de Gastric and a real sharp wedge known as the Angle of Ten Pin Phoo. The brave general sensed danger and did not eat, and the Angle did likewise because she was going on her first date and was understandably nervous.

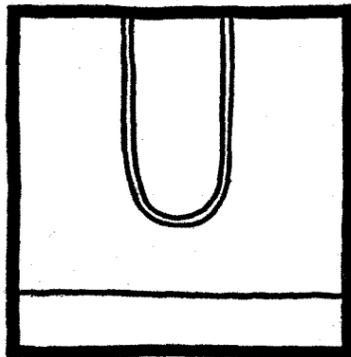
Since then the Reds have been at their own game: French soldiers have been replacing Red grenade stores with large dill pickles, notably poor as shrapnel-spreaders.

And they have proved awfully valuable in another function, that of space fillers. Thirty? Thirty?

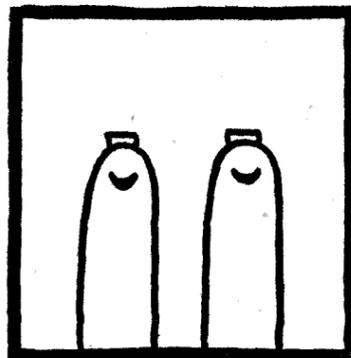
## STUDENTS!

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# FLASH!

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EUROPE VIA FULBRIGHT

(Continued from Page 3)

pected. You'll see that some things are done better here than stateside, and vice versa (the high quality of food, art, perfume, women, and champagne here is no myth).

What to do

How do you get ready to apply for a Fulbright? Get a good GPA. This is number one. Next, study the language of the country you want to go to (you can choose one country, and name several choices of universities therein) since you have to present a letter saying you have a reasonable knowledge of the language. Seniors for this year, get your applications as soon as you get back after summer vacation, and don't let the immense amount of paper work and red tape discourage you! It's a good idea for juniors now to look over the applications to have an idea of what they need to have later on. And the draft? My draft board was very cooperative and gave me a deferment immediately since they realize not too many grants are given, and at the same time this is a service to the United States.

The Fulbright program offers grants to most countries. Chances for getting a Fulbright are better for technical than for liberal arts students it seems, since fewer of the former apply, and the tendency is to encourage more technical men for the grants. Unmarried students are preferred above married ones, since the Commission feels the unmarried men will mix more over here. True! Here is a chance to spend the best year of your life.

(Ed.) Information for seniors and others interested in applying for Fulbright grants is available in the office of Prof. Horace Gilbert in Dabney Hall. Applications should be in before November 1, 1954.

CAMPUS BREWINS

(Continued from Page 2)

a beautiful orange drape, complete with tiger. No more can be said until the cessation of hostilities, but rumor has it that the three are to receive their hero's medals incognito.

Slander

Although Brother Lindfors last year lectured nightly on the advantages of marriage, (more particularly with the old home town girl) he showed up last week full of bounce and energy to carry on the bachelor's fight. Evidently the boy has a sixth sense for spotting parties, for he was seen by the Beak along the Epstein, Tambling, and Benning enjoying the advantages of Messrs. Benning and Epstein's by now well-known "recreation" (call it what you will, the real purpose remains) room. The Beak didn't get much of a chance to see what was going on, but he has suspicions since that little old tenth watt blue light bulb was doing a pretty good job of keeping things dark.

Harford scores

Harford's Palomino Pride (the one from Westridge, that is) nearly caused a riot when she and Jon Krupa appeared (late, of course) at the game last Friday night. Tell us Jon, how did you train her to carry your drum for you??

The Beak was amazed the other day to find the lengths that his friends will go in order to impress women. First it was Trapnell's vest, and now, of all people, Kim Cranney appears with a shiny new hot slick model Ford. Tell us Kim, does that car have the pick-up power that you thought it was going to??

Fool Frey refuses frolic

Harvey "Hate thy Neighbor" Frey greeted the weekend by going home to Los Angeles. On the way he fell victim to a blow-out on the sharpest curve on the

(Continued on Page 6)



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...and how it started.

TERESA WRIGHT says: "Up to 16, my knowledge of acting had been gleaned from seeing movies. When I saw my first professional play, that was it: I only wanted to act. I got into high school plays, wrestled props at Provincetown, understudied, sat for months in producers' reception rooms. One rainy night, sick with a cold, I read for a good role, and got it!"

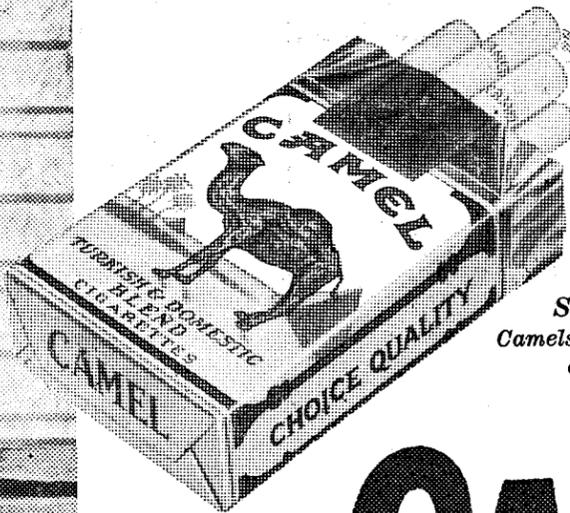
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# Grid expert summarizes SCIC hopes

By Dee Kolgate

The start of the football season is here again and as is usual, coaches around the country are tearing their hair out worrying about their respective teams. It is no different in the Southern California Conference. Its coaches are also beginning their annual sessions of moaning and the following are some of the choice comments heard:

**POMONA-CLAREMONT** (Code name: Sagehens): Coach Earl Merritt (Code name: Fuzz) is absolutely down in the dumps concerning his chances. His complaint is that he does not have enough new faces on the squad and that his last year's team led by Ced Scott (Code name: The ape) is going to have to carry the entire load. (They were conference champs).

Prospects: Dismal.

**WHITTIER** (code name: Poets): Coach George Allen says that all his hopes are pinned on George Sackman, who many observers believe to be the finest triple-threat back in the conference. He adds that if Sackman is hurt Whittier will absolutely not make a single first down.

Prospects: Gloomy.

**REDLANDS** (code name: Bulldogs): Coach Jim Verdieck has his problems too; he can't figure which of his 17 returning lettermen rate the nod as starters. Quarterback Miller only completed eleven touchdown passes last year so the Dogs will probably concentrate on the ground game this year.

Prospects: Terrible.

**OCCIDENTAL** (code name: Tigers): Coach Roy (code name: Swede) Dennis feels that his men haven't got a chance in the conference this year because the team is too inexperienced (two sophomores in the starting lineup). Also Dennis feels that his line is much too light (none of the men weigh more than 250 pounds).

Prospects: Downright poor.

**CALTECH** (code name: Beavers): Coach Bert LaBrucherie (code name: La Booboo) has the saddest story of all. He says that some team called the Doughboys stole all his men. Another problem that he has is that his ends all have six thumbs on each hand and that his ball carriers have butterfingers.

Prospects: Disastrous.

Judging from these reports it seems to this writer that all the teams will finish in the cellar, but since this obviously cannot happen I have only one thing to say: MAY THE WORST TEAM WIN.

## SCIC Standings

	Conf.			Overall		
	W	L	T	W	L	T
Pomona .....	½	0	0	1	0	0
Oxy .....	0	0	0	1	0	1
Whittier .....	0	0	0	1	1	0
Redlands .....	0	0	0	0	2	0
CALTECH .....	0	½	0	0	1	0

# Beaver eleven drops league opener to 'Hens

## Whitlow, Tangora score for Tech; inexperience hurts Beaver cause

A fighting Caltech football team opened the 1954 season last Saturday against Pomona-Claremont. The final score of the game read 32-13, but that does not tell the real story of the game. The Beavers outgained the Sagehens on the ground 143 yards to 137 and garnered 12 first downs to Pomona's 10, but it was the old dual bugaboo of fumbles and poor pass defense that ruined Tech's victory hopes.

Tech gave up the ball three times on fumbles and allowed Pomona to score three times through the air lanes and that was the margin of difference.

### Beaver tackle scores

Pomona opened the scoring in the first quarter on a pass from quarterback Cedric Scott to halfback Kosta George, but Tech came right back in the second period, driving to the Sagehens' one yard line before relinquishing the ball on downs. On the next play Scott fumbled the ball attempting to punt and tackle Larry Whitlow fell on the ball in the end zone for Tech's first score. Phil Conley attempted the conversion, but he was rushed and got off a low kick. The ball hit the crossbar and bounded up into the air. Finally it dropped over on the other side and Tech was back in the ball game.

On the second play after the kickoff, however, Scott went 53 yards up the middle to give Pomona a lead which they never gave up. The Hens' pushed over another touchdown with seconds remaining in the half after they recovered Conley's fumble on Tech's one yard line and the half-time score was 19-7.

In the fourth period sophomore halfback Marty Tangora raced 40 yards to score Tech's second touchdown after taking the ball from Conley on a reverse play. That made the score 26-13. Pomona completed the scoring on another pass play and when the gun sounded the scoreboard read, Caltech 13, Pomona-Claremont 32.

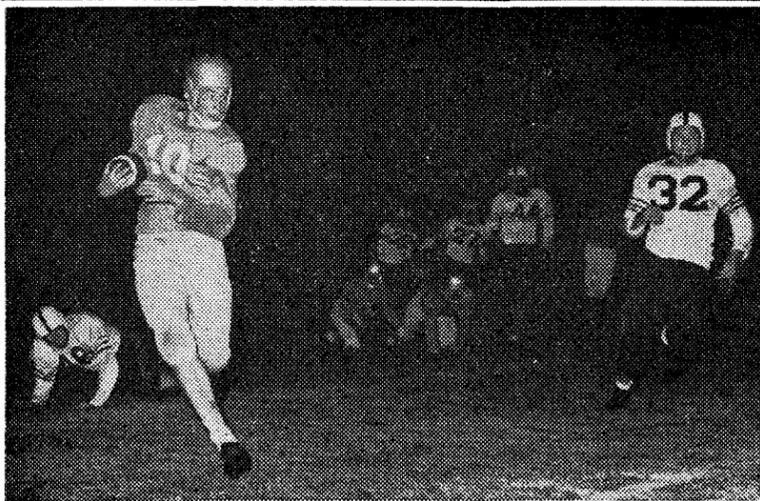
### Menetrey carries ball

Marty Vogel played his first game at the tackle position for Tech and turned in a fine performance. Larry Whitlow also played a good game at the other tackle post. Fullback Walt Menetrey was the workhorse of the Beaver backfield as he carried the ball 13 times for 44 yards.

Jack-of-all-trades Phil Conley handled the quarterback post. He passed and ran for 57 yards, intercepted three Pomona passes, and handled the punting and conversion chores.

### Statistics:

Rushing				TCB	YG	YL	NET
Menetrey	13	44	0	44			
Tangora	4	40	3	37			
Christian	4	10	0	18			
Conley	12	24	9	15			
Lukesh	3	15	0	15			
McDonald	5	14	0	14			
Passing				ATT	COMP	INT	YG
Conley	12	4	1	39			
Receiving				No. Yds.			
Griesser				2	26		
Schmid				1	9		
Nelson				1	4		
Final score:							
CALTECH	0	7	0	6	13		
Pomona	7	13	0	12	32		



**CONLEY PACKS THE PIGSKIN**—Tech quarterback Phil Conley skirts right end in the Pomona game as Sagehens' Milt Schroth (32) and Ced Scott (44) give chase. Identifiable Tech player is John Lukesh (first man to the right of Conley).

## X-country men eye 2nd place

Second place in conference standings is the hope of Tech's varsity cross country team this season. Led by diminutive Dave Crowther, the top four men on last year's squad are back and ready to roll. Besides Crowther, returning lettermen are Don Lewis, Bob Tambling, and Van Walkley. Trackmen Fred Witteborn, Roger Wileman, Don Taylor, and Bob Hamson will be fighting for one of the coveted first five places on the team.

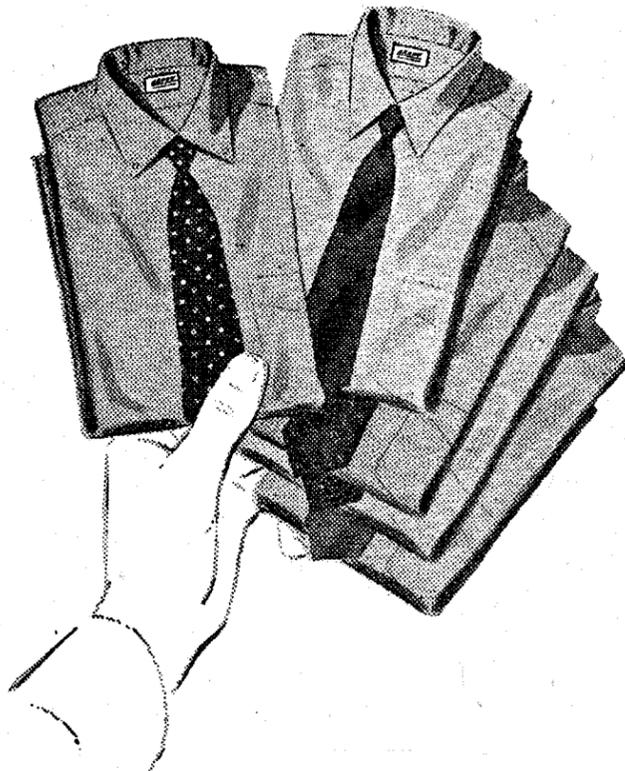
Coach Julian D. Cole is still looking for a few more freshmen to back up the fine nucleus that has already turned out for the frosh team. Several of the varsity men never ran in high school, so don't be discouraged if you have no experience.

## J.V. soccer team meets Thacher

The Caltech jayvee soccer team will open the season this Saturday afternoon when they meet Thacher on the opponents' home field. Thacher is a prep school located in Ojai, which is about 80 miles northwest of Pasadena. Last year Thacher gave the Caltech varsity a tough fight, and they should prove even tougher for the jayvees. A reorganization of the league this year has put the Thacher and Midlands varsity teams into the Caltech jayvee league.

Coach Serdengecti believes that this will be a tough game as the team has had only two weeks of practice.

The varsity will open its season on Saturday, October 16, when they meet Pomona.



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# Grads receive fellowships; six engineers, one chemist

Seven winners of various fellowships for graduate study at the Institute in the present school year have been announced. Two of the winners: William Buchman, 23, and Edward F. Davis, 26, are graduate students in Electrical Engineering. One, Robert N. Clayton, is a Chemistry grad, and the remaining four are entering under the Howard Hughes fellowships program.

Howard Hughes Fellowships for 1954-1955 were awarded to George S. Campbell, 27; Roy W. Gould, 27; James E. Mercereau, 24; and James W. Sedin, 24. Each will receive a grant from a fund established to cover tuition and other expenses while at Caltech, and will also receive a salary from Hughes Aircraft.

Winners of RCA Fellowships in Electrical Engineering are William Buchman and Edward F. Davis, both working toward the Ph.D degree and both members of the Caltech Chapters of the society of Sigma Xi, honorary scientific research fraternity. Buchman is doing theoretical and experimental research in microwave electronics, and Davis is working in the field of large-scale machine computation.

A graduate student in Chemistry conducting his major research in the Division of Geological Sciences, Robert N. Clayton has been awarded a Standard Oil and Gas Company Fellowship for the year 1954-1955. This is one of sixteen awarded to students in 15 American colleges and universities.

## FILM SERIES

(Continued from Page 1)

on the same program is "Mambo," an abstract film short done by the modern painter Jordan Belson.

"Le Million" is a famous French comedy involved in the adventures of a lost lottery ticket. The last two films, "The Winslow Boy" and "Life of Emile Zola," are serious drama again, and are both centered about famous court cases. This term's shorts will also include some famous modern films, a Walt Disney cartoon, and a Charlie Chaplin comedy.

The price of the series ticket for admission to all four programs is \$1.35. Since the first two films are obtained from the American Museum of Modern Art, single admissions can not be allowed. On the last two, however, single admissions are on sale at \$.50.



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## NEW CHARITY

(Continued from Page 1)

nity chest, and seven national associations including the American Cancer Society and the Heart Association. It is also possible for the donor to select any other non-profit organization dear to his heart.

The solicitations next week for AID will mean the end of faculty solicitations for the YMCA and Consolidated Charities Drive. Graduates will not be solicited for AID but may join if they wish to.

ASCIT vice president and Consolidated Drive chairman Vince Marinkovich announced that undergrads will continue to solicit all students in the spring drive.

both civilians and the military during the war years.

Mr. Vesper was elected to his present position in 1952. He served for several years as civilian consultant in the work of the former Research and Development Board of the Department of Defense, and until recently has served in the same capacity to the Assistant Secretary of Defense—Research and Development. He is currently president of the Industrial Research Institute, Inc.

## CAMPUS BREWINS

(Continued from Page 4)

Arroyo Seco, and, upon sliding to a halt, discovered an orange '54 Pontiac Catalina burrowed cosily into his trunk. The driver, eighteen and on her way to a rushing party, opened the car door apologizing profusely and at the same time displaying impressively classic features. The upshot was that she offered to treat Frey to refreshments at her apartment, which he declined with some mumbled words to the effect that, "my mother warned me . . ." and then graciously drove him to a nearby garage. Pronounced a soft-ened but still unregenerate Frey, "Women are as evil as people!"

And then there was one

Afta a hilarious birthday party for Dick Johnson, who at twenty is Ricketts' original Eternal Youth and Runny-Nosed Kid, Small, Bogdanovic, and Van deHouten decided to venture forth. Hunt and Johnson promptly fell into The Deep Sleep. Deserted but resourceful, Van de Houten was last seen making an equally valiant and equally pitiful attempt to interest a passing telephone operator in his somewhat diminished charms.

## Game room work near completion

The Board of Directors room and the game room in Lower Fleming are being renovated by the Institute and by the Caltech Service League. The work, which is in progress now, should be through in about three weeks.

In the BOD room, rubber tile has been put on the floor, the room has been completely painted, and sound-proofing has been installed in the ceiling. New desks and chairs for the board members and new drapes are to be installed.

The game room has also received the paint job, and boasts a new tile floor and sound-proofing. When it is completed, the room will have several pool tables, ping pong tables, and a miniature bowling alley. One end of the room will be devoted to bridge, with card tables and easy chairs.

When the game room is completed, Dr. Mayhew plans to have a small party there to celebrate its opening.

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