

## Frosh wallow to mudeo win

### TV show to feature Caltech; 'Success Story' Friday night

Caltech will be featured in tomorrow night's telecast of Richfield's "Success Story." The broadcast will be on KTTV, channel 11, from 7:00 to 7:30 p.m. Each week the program visits some outstanding institution or business in Southern California. This week the program will originate live from the Caltech campus.

Through the television camera, viewers will see some of the research currently being conducted on campus and meet the men who are conducting the research. Four camera crews will be stationed around Caltech to provide coverage for the show.

One phase of research vital to the Navy's Bureau of Ordnance will be demonstrated by a testing of hydrofoils in one of the high speed water tunnels on campus.

Dr. Linus Pauling, chairman of the Division of Chemistry and Chemical Engineering and winner of the Nobel Prize in Chemistry in 1954, will appear on the program. He will explain and illustrate the molecular structure of proteins which are the

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### Piper to host Y faculty fireside

Tech English professor H. D. Piper will host this term's first YMCA faculty fireside this Sunday at his home. First topic of discussion will be student life in France, where Dr. Piper spent a year teaching on a Fulbright Fellowship.

YMCA firesides offer students the opportunity to meet leading faculty members in an informal atmosphere. Firesides are held on Sunday evenings and last from 7 to 10 p.m.

Signup lists for this Sunday's fireside are posted in the house lounges. The group will leave from Blacker Lounge Sunday at 7 p.m. Further information is available from Bob Deffeyes in Blacker 5.

## Caltech Service League initiates annual membership campaign to finance program

According to Mrs. E. L. Moser, president of the Caltech Service League, the latter organization is in the midst of its annual membership drive preparatory to beginning its ninth year as a campus institution. Said Mrs. Moser,

"The Caltech Service League is an organization of mothers—and fathers—of Caltech students, members of the faculty and friends of the Institute whose purpose is to contribute in every way we can to the health, welfare and happiness of all students at Caltech." That they are successful can be seen from the list of the Service League's accomplishments during the last year.

Perhaps the most notable job which the League performs is that of keeping the student health center up to date by providing everything from new seven-foot beds and curtains to cookies, fruit juices, magazines

### Sophs to host frosh at picnic

The sophomore class will be host to the freshman class at the first annual Frosh-Soph picnic this Sunday, November 20, from 1:30 to 5:30 p.m. in Tournament Park. This affair will be stag as it is hoped that the main objective, to acquaint members of the classes, will be best accomplished by leaving the girls home for a change.

Soph social chairmen Pete Hoag and Bud Penquite promise a multitude of activities including an interclass softball game, volleyball, etc. The softball game will provide the mudeo-loser with a good chance for revenge. Refreshments will include hot dogs, potato chips, cokes, hot chocolate and other liquid beverages.

It is the desire of those sophomores planning this event that each member of the freshman and sophomore classes will extend his sphere of friends beyond class and house, as a result of this function.

### Newman Club to meet on Monday

The Caltech Newman Club will meet next Monday, November 21, at 7:30 p.m. in 308 Engineering.

A semi-formal dance sponsored by the Newman Club is being held Saturday night at the Terrace Room of the Huntington-Sheraton Hotel to the music of Max Lawrence.

and other extras, and it was for this very same purpose that the Service League was organized nine years ago.

However, with the passing of time the League has been very willing and able to assume added responsibilities such as supplying Throop Club and the International House (formerly called the Old Dormitory) with furnishings, contributing to the Caltech YMCA, adding records to the Humanities Department's music lending library and keeping up the student wardrobe which loans, free of charge, tuxes, white dinner jackets and overcoats to students who might be lacking the right attire for a particular occasion.

Mrs. Markham Salsbury, League student service chairman, commented that she would welcome any suggestions from the students. She continued,

"Last year, besides providing entertainment for the Game

### Sophomores penalized for throwing mud at judge; last point decisive in final score count

A freshman team won the annual Mudeo last Tuesday for the first time in four years, when a crucial sophomore foul gave them the margin of victory. In the wheelbarrow race the sophs finished first but they were disqualified because a disgruntled sophomore had thrown mud on a judge and the one point for that event was awarded to the frosh, who eventually won, 4-3. As a reward for their victory, the freshman class will not have to share any of the cost for the third term Freshman-Sophomore Dance.

The mud pit this year was dug south of the football field, and Bloomberg, who had as

assistant judges Larry Griffith, Dick Smisek, and Herb Rauch, and prepared by the juniors who are the traditional overseers of the contest. The Head Referee was junior class president How-

The first event was the tug-of-war lasting for only about three minutes, just long enough to give the sophs time to pull twenty freshmen through the muck. This feat gave them one point and the initial lead, 1-0.

The sack relay race, ten men on each side, was next. The sophs got off to a quick start but the frosh came hopping back to win and tie the score 1-1. After this came the controversial wheelbarrow race with the sophomore foul giving the frosh one point and a 2-1 lead.

The horse-and-rider struggle was more a contest of equilibrium than a fight, with the second-year men emerging as the most stable. Two "horses" still standing won the two points and the sophs took a one point lead. The final, decisive event was the tire spree with eleven tires placed in the mire. It didn't take the frosh long to outfight their opponents for seven of them to win the final victory, 4-3.

### Caltech to give blood Monday

The Red Cross Bloodmobile will set up shop in Dabney Lounge from 1:00 to 5:00 next Monday afternoon, November 21.

This is an opportunity to help the Red Cross in its fight to save lives. Men in the Student houses are being contacted by the house chairmen, who are: Blacker, Steve Stevens; Dabney, Pete Abbey; Fleming, Herb Rauch; Ricketts, Zack Martin; Throop, John Moser.

Undergraduates not affiliated with the houses are urged to contact any of these men, the personnel office, or to come directly to Dabney Lounge Monday.

Other Tech people should contact the personnel office.

Students over 18 and under 21 are required to have a release slip signed by their parents. Men having P.E. Monday may get an excuse from the health center after donating.

### Keys available for darkroom

Any undergraduate interested in obtaining a darkroom key should see Craig Elliott in 22 Ricketts. There will be a charge of \$3.00 for the year ending June 1956 plus a \$1.00 key deposit.

### ASCIT dance to feature Pell

The annual ASCIT Christmas Dance, featuring the Dave Pell Octette, will be held Saturday, December 3, from 9 to 1 in Dabney Hall.

The unique aspect of the dance is the admission price, nothing more than a Christmas toy. The toys thus collected are distributed to some of the less fortunate children in the Los Angeles area. The dance is informal, the idea being to spend the money saved by not having to buy corsages on some gift.

The Dave Pell Octette, which will provide the music at the dance, is now playing at Zardi's, a popular Los Angeles nitespot. It is composed of ex-members of the Les Brown band and has done a lot of recording work, having at present several albums on sale. The group has a very fine reputation with all Techmen who have heard it.

### Chem Engineering Club to visit plant

The Caltech Chemical Engineering Club will travel to the Dow Chemical Company plant at Long Beach this Saturday, November 19. The plant is concerned with the making of elementary iodine from oil well brines.

In order to return from the two hour tour by noon, the group will leave from the Athenaeum parking lot at 7:45 a.m. All interested persons are invited to attend and are requested to notify Bob Deffeyes or to leave a note in the D box in Blacker.

Room and furniture for the Board of Directors Room, as a result of students' suggestions, we also contributed three hundred dollars to send eight Caltech men to the Model United Nations in San Francisco." We might add that attendance would have been difficult for a Caltech delegation without the League's generous assistance.

We asked Mrs. Moser how all the activities which the League underwrites are financed. She replied,

"The services we render are made possible by the members' dues of two dollars per year, by gifts and sale of tickets to our annual spring benefit. Of course, we hope that all Caltech parents will become members. We meet three times yearly, and we had our first general meeting on November fourteenth, at which time Dr. Eagleson spoke to us."

Mrs. Moser also advised that

(Continued on Page 3)

### R. Von Hagen elected Caltech board member

Richard R. Von Hagen, President of the Lloyd Corporation, Ltd. of Los Angeles and a member of the California Institute Associates since 1947, has been elected a member of the Caltech Board of Trustees.

Mr. Von Hagen received his Bachelor or Arts degree from the University of California at Los Angeles in 1931 and was graduated from the Law School



Richard R. Von Hagen

of the University of Southern California in 1934. He worked for several years in the Los Angeles law firm of O'Melveny and Myers before joining the Lloyd Corporation.

Mr. Von Hagen is president and a director of the Oil Producers Agency of California. He is also a director of the Western Oil and Gas Association, the Independent Petroleum Association of America, and the United States National Bank of Portland, Oregon. He is a member of the Los Angeles Bar and the State Bar.

### Clubs hear Jones and Mosshammer

On Tuesday, November 22, the YMCA Undergraduate Lunch Club will meet to hear Dr. Alden Mosshammer speak on "Modern Trends in Christian Thought."

The Grad-Faculty Forum meeting on November 23 will listen to discussion of a timely topic; Dr. Lewis Jones, visiting professor of sociology and anthropology at UCLA, will deliver a talk titled "Ninety Years of Cold Rebellion—The Emmet Till Case."

## Secretary's Report

Caltech's first homecoming, possibly the start of a tradition, came up for review at this week's ASCIT Board meeting. In general, the program was considered a success, and Rally Commissioner Frank Kofsky was applauded for his efforts. However, criticism and suggestions were discussed with the hope of improving the procedure next year.

It was recommended that the student body be given an opportunity to select the queen, although the manner of selection is certainly a problem. Furthermore, the coronation itself might be built into a bigger show and although the picnic was considered a good idea, a number of men have expressed a desire for a different menu.

As the Oxy game next year will be away from home, it could hardly be called a homecoming. Thus, if this young tradition is to continue, perhaps the Pomona game could be designated as a homecoming, as it is in the Rose Bowl in mid-October, 1956. The one-sidedness of the Oxy rivalry also makes this change seem desirable. While this is only a matter for speculation at present, perhaps "homecoming" will be an annual tradition.

After some confusion with publications books last year, business managers are adopting a new bookkeeping system, following financial reports this week. Tom Dodge, business manager of *Farrago*, reported funds enough for a 32 or 36 page magazine, with income from advertising, the Pendulum reserve from last year, and the ASCIT subsidy. John Bailey, business manager of the *California Tech*, reported that net expenses so far are slightly less than the amount budgeted from ASCIT.

Barring unforeseen fortune, John Bailey will head for the army soon. Another business manager will be elected when his induction date is made definite.

As Caltech's delegate to the National Students' Association regional conference, Gene Cordes reported to the Board this week. The discussion at San Francisco covered four areas: 1) campus meetings to discuss the National Student Congress' resolutions; 2) a regional International Student Relations Seminar to be held February 17-19 at Mills College; 3) campus arrangements for foreign students touring under USA auspices; 4) an NSA program to stimulate qualified high school students to attend college. The above resolutions will receive what local action is necessary.

Tom Bergeman

## California Tech

Editors-in-Chief—**Dick Hundley** and **Marty Tangora**  
 News Editor — **Dick Kirk**  
 Feature Editor — **Frank Kofsky**  
 Sports Editor — **Bill Davis**  
 Business Manager—**John Bailey**  
 Circulation Manager—**Dan Chilton**

Entered as second-class matter November 22, 1947, at the Post Office in Pasadena, California, under the Act of March 3, 1879.

## Campus Brewins

Youth is such a marvelous thing,

'Tis a pity that it must be wasted on young people  
 —Stone Age Carvings

For some reason this little gem was suppressed for a couple of weeks by the females involved, but by a little efficient beaking this Beak has found out the true facts of one of the best stories he's heard in his 5 years here.

It seems that Darb Ashby's father was on campus for the Interhouse weekend; and naturally he wanted to see the dance. Ashby and Kirk had dates at Scripps, but agreed to pick up Mr. Ashby after they had picked up their girls. During the drive from Pomona to Pasadena the girls learned of Ashby's 46-year-old father as "Dick's older brother, a little bald at 24, but a

real cool head, and he's going to the dance with us." When the girls, young and naive, were introduced to Mr. Ashby, not so young, and considerably less naive, they immediately started cooing and getting misty eyed. Mr. Ashby, who hadn't heard about the gag, immediately began playing along and started bird-dogging Kirk and Ashby. The two Darbs might eventually have been completely wiped out had it not come out in the course of the evening that the man who didn't look old enough to be the girls' father actually was. (Old enough, that is.) Ah yes, youth is a truly wonderful thing, especially the second time around.

### Pigalle Putsche

La Quadruple Alliance de Pigalle has been destroyed by ten slips of blue paper. No more jovial times will resound from

the combined study and party room with the built-in ice box. Alas, Poor P. Poor, I knew him well. Save your boarish money. Pigalle will rise again.

The Beak noticed that during the Interhouse one girl and her date had intense verbal discussions (they were fighting). Now the same girl seems to have flown up from Phoenix the past weekend for another try. Maybe she needs lessons in argumentation, or perhaps she thinks a disagreement is worth much because it's so much fun to make up afterward.

### Pendant Steps Out

Mixing pleasure with more pleasure one Bob Norton has had the audacity to take out (on a date) a femme who is currently being tutored by said hombra. Maybe he's teaching her more than  $F=MA$ .

### What? Me Worry?

One of the more erudite Blackermen tried to reach his young lady friend the other night. The conversation went—"Hello, is Goldilocks there?" "Well—er—that is—" "Is she asleep?" The hour was quite late. "No, she's—she's on the pot." pause—pause—and more pause. "Well, er, I'll call back." Thus ended another episode in the gay adventure of the Big Bad Wolf.

### One Soggy Dog Biscuit Left

At last Ricketts has bred a true champion. After weeks of searching for a worthy candidate, House RLPL Vince Taylor awarded Roy Stake highest honors bestowed by the "Order of the Bone." Roy won by ducking for apples for one whole hour.

Man of the world Zack Martin nearly dropped his cookies last afternoon when he walked

(Continued on Page 4)

## Student house telephones

Members of the student houses have been concerned for some time because of the fifty-cent telephone fee paid the Institute every term. "Why is this fee charged?" they have asked.

The phones in the student houses are known as "semi-public" phones, because there are more of them per capita than the Bell System allows for "public" phones. This means each one costs money beyond what is dropped into the slot. The following charges are made each month: a service charge of \$1.25 per phone, thirteen cents tax on this service charge, the difference between the take in the phone box and a minimum take guaranteed the phone company, and about seventy cents tax on the minimum take. Long distance calls do not count toward this guaranteed minimum. The phones are disconnected

each June and connected again each September. Even so, the yearly phone bill paid by the Institute for student house phones runs between \$1500 and \$1700. For the year 1953-54, the Institute paid \$1572 to the phone company and collected \$1606 from the students. Over a period of years, the difference between the amount paid and collected has just about balanced out.

What does this all mean? The phones are an expensive item; the money paid each term goes to the phone company. The only way of reducing this expense is to reduce the number of phones, probably an undesirable alternative. It is certainly clear that the deficits incurred by hot-wiring are paid for, ultimately, by all house residents.

Howard Berg  
 ASCIT Vice President



When the moon's shining bright  
 And the party's just right...  
 To top off the night—have a CAMEL!

—Man, that's  
 pure pleasure!

It's a psychological fact: Pleasure helps your disposition. If you're a smoker, remember — more people get more pure pleasure from Camels than from any other cigarette!

No other cigarette is so rich-tasting, yet so mild!



# Camel

## Conferences on foreign affairs to be held soon

Tech students interested in international relations will have an opportunity to attend three conferences on international topics this winter and next spring.

On December 27-29 the Pacific Coast Regional Conference on the United Nations will be held in San Francisco at the YMCA Hotel. The Collegiate Council for the UN is sponsoring the event, which comprises addresses, briefing sessions, discussion groups, panels and films. The conference will attempt to answer questions as to the nature of the UN, how it works, what it has accomplished, and what the US policy should be toward it.

A National Student Association-sponsored Student Relations Seminar will take place February 17-19 at Mills College.

The Sixth Annual Model United Nations will be held in Corvallis, Oregon, April 4-7. Caltech has applied to represent Israel, Iran, Turkey, or Indonesia.

Students interested in these conferences may contact ASCIT secretary Tom Bergeman in 20 Ricketts.

## Y members are to plan for Asilomar

A planning session for this year's Asilomar conference will be held next Monday at 7:15 p.m. in the Y lounge. Tapes and slides from previous conferences will be shown and last year's Caltech delegation will be on hand to answer questions.

Delegates to the conference, which is to be held December 26 to January 1, are members of student Y's in California, Arizona, Nevada, and Hawaii. The 400 delegates meet for a week of social, intellectual and spiritual programs, at the Asilomar camp grounds on the Monterey Peninsula.

Interested students are asked to consult the Y office regarding scholarships to the Asilomar conference. Details of the week's program are also available from the Y office.

# Sec's at Tech

by Karl Klutz

We were walking six-abreast near East Bridge, on our way to Metaphysics 227.81, and so engrossed were we with texts and/or manipulating our respective slide rules that we naturally failed to notice the lovely young lady rapidly approaching us. However her sharp cries of pain as we bowled her over into the



Suzanne Durnell

## Pre-registration is set for week of November 21-25

Tech undergraduates may pick up pre-registration slips for the second term from Monday, November 21 until November 25 in 119A Throop. The slips must be returned November 25 or before.

Freshmen have been assigned to sections, and will not be assigned to option consultants until May. Upperclassmen have been assigned to sections and advisors. Their pre-registration slips must be signed by the advisors.

Any student wishing to change a course or section should see Mrs. Duff in 119 Throop. Anyone not returning second term should also leave this information in 119A Throop.

Registration will be held on January 3, 1956, from 8:30 to 3:30. No undergraduate student previously in attendance will be permitted to register without first having filled out a pre-registration card.

Egad!

Have you heard about the new collegiate parlor game?

No, what's that?

"Button, button, here comes the house mother."

ice plant made us look up, and after retrieving our books and slide rules, we offered to help her to her feet. Closer inspection revealed that the young lady was really quite charming, and as we just happened to have our camera in our briefcase, we requested her to submit to having her picture taken, to which request she gracefully acquiesced.

Before we go any further into our stirring saga, however, we should like to present Miss Suzanne Durnell, a five-foot two-inch brunette who insists her eyes are aquamarine coloured. Suzanne is employed in the General Library where she functions as an "assistant cataloguer."

In reply to our question, Suzanne told us that she came to California in 1951 from Springfield, Missouri, where twenty years ago, she was born, and that she is a relative newcomer, having started on campus last July.

In response to our further questioning, Suzanne commented:

"Well, like Doris (referring to Doris Fullinwider whom we interviewed previously), I went to Mount San Antonio College where I majored in liberal arts. I also took eight years of voice lessons, but unfortunately, I don't get too many opportunities to sing." Suzanne also revealed that she enjoys swimming, horseback riding and dancing.

We pressed Miss Durnell for her future plans, and she replied:

"I like my work here, and I plan to remain here until around April, then I hope to get a job as an airline hostess."

Naturally it was impossible to leave without obtaining Suzanne's impression of the Caltech undergraduate, and so she obliged us by saying,

"They are very brilliant, but they should be more well-rounded . . . more cultured." To Suzanne's comment we could only add, "bravo!"

## CALTECH SERVICE LEAGUE

(Continued from page 1)

gifts or mail of any kind be addressed to the Caltech Service League, 1201 East California Street, Pasadena 4, California.

## Egad!

Age 5: Baby wants a doll, she gets it.

Age 15: Baby wants a coat, she gets it.

Age 20: Baby wants a man, he gets it.



Why do more college men and women smoke

# VICEROYS

than any other filter cigarette?

Because only Viceroy gives you 20,000 filter traps in every filter tip, made from a pure natural substance—cellulose—found in delicious fruits and other edibles!

1. Yes, only Viceroy has this filter composed of 20,000 tiny filter traps. You cannot obtain the same filtering action in any other cigarette.
2. The Viceroy filter wasn't just whipped up and rushed to market to meet the new and skyrocketing demand for filtered cigarettes. Viceroy pioneered. Started research more than 20 years ago to create the pure and perfect filter.
3. Smokers en masse report that filtered Viceroy's have a finer flavor even than cigarettes without filters. Rich, satisfying, yet pleasantly mild.
4. Viceroy draws so easily that you wouldn't know, without looking, that it even had a filter tip . . . and Viceroy's cost only a penny or two more than cigarettes without filters!

That's why more college men and women smoke VICEROYS than any other filter cigarette . . . that's why VICEROY is the largest-selling filter cigarette in the world!



20,000 Tiny Filter Traps . . . plus that Real Tobacco Taste



## New ARROW Gabanaro . . .

styled for campus wear

A campus style survey produced this smart medium-spread collar—just the neat yet casual shirt you'll want for class or informal dates. It's made in your exact collar size and sleeve length too—for perfect fit.

Smart new colors, with matching pearl luster buttons, saddle stitching around collar edge, button thru pockets.

In rayon gabardine, "Sanforset", \$5.95.

# ARROW

CASUAL WEAR

—first in fashion

**CAMPUS BREWINS**

(Continued from Page 2)  
into his room and found a dolly in a bathing suit snuggled in his bed. Must have been beach weather.

John Bailey was guest of honor at Mr. Steak Saturday night. The chef personally strode from

the kitchen to award John a double-cut filet free for nothing. "But I've been here a dozen times and it's always been two pieces." Oh well.

**Sex Is Evil**

One time epitome of virtue Paul McHorney rocked the roots of Ricketts with the announcement of his engagement to a

fair lass in Diego. Congratulations, Paul.

Rumor has it that Ricketts is in the market for a new laundry and dry cleaning man. Sad tidings from the fine fellows at the draft board finally caught up with Mr. I-A.

**Give Me Phonograph Records**  
Not to be outdone by the rest

of the kiddies Screw Rickert says, "this was one of the dullest weekends of all time; not one home test!"

Russ Hunter and Ed Park tripped to Yosemite the weekend past. The boys were startled in the night by what Park thought was a bear. Park fled but Russ kept cool; he'd had

experience in these matters before. I hear the "bears" are pretty "wild" in Yosemite.

The courtesy of a free haircut was extended Frank Albini and Harlan Gates by members of a school to the west. A most unfriendly act when one considers the fact that they were just looking around.

# Merle Wolverton

From the good earth, the good life

"SEEMS to me one of the reasons we live so much better in this country is because we farm so much better.

"In Russia, I read somewhere recently, 60% of the population has to farm to feed the country.

"In America only about 14% of us are farmers. But that 14% grows more than all of us can eat, and we eat mighty high on the hog.

"Now I'm sure one big reason for the farmer's efficiency in this country is the help he gets from industry. Take my case.



"I farm 1200 acres out here in Orange County, California. I've got them in limas, sugar beets, tomatoes and alfalfa. I buy my plant fertilizer—aqua ammonia—from Brea Chemicals. It's a subsidiary of the company where I get all my gasolines and greases, Union Oil.

"Now you think the boys from Brea are content just to sell me the aqua ammonia? No sir.



Right now, at their own expense, they're testing four different plant foods on five acres of my beets just to find out which will give me best yield.

"As a result of help like this, my beet crop's on the way to being the biggest and healthiest



MERLE WOLVERTON: "14% OF THE POPULATION GROWS MORE THAN ALL OF US CAN EAT!"

yet. As a result of help like this, farming's a good business and a good life—and you and I continue to eat high on the hog!"

\* \* \* \*

We are pleased by Mr. Wolverton's enthusiasm for Brea's service. Because helping America grow is the big job of our subsidiary, Brea Chemicals.

Modern synthetic ammonia is not only increasing crop yields: it is also rejuvenating soil that was literally "worn out." As a result, one

acre today produces what two acres did 15 years ago.

Economists and farm experts rank this accomplishment—along with modern farm tools—as the foremost answer to the world's food supply problem.

This is another example of how free men, freely competing, can do the job better.

YOUR COMMENTS ARE INVITED. Write: The President, Union Oil Company, Union Oil Bldg., Los Angeles 17, Calif.

# Union Oil Company OF CALIFORNIA

MANUFACTURERS OF ROYAL TRITON, THE AMAZING PURPLE MOTOR OIL

# Caltech mistakes costly, alert Oxy gains 35-7 win

Caltech's varsity football team unveiled its new double wing offense for the Occidental Tigers Saturday, but the Beaver preparations went for nought as the alert Oxy squad took advantage of Tech mistakes to score a 35-7 victory.

Late in the first period Chuck Malone fumbled on the Tech 18 yard line where the Tigers recovered. Jack Kemp, Oxy quarterback, sneaked over from the one yard line six plays later for the game's first score.

In the second quarter Oxy took the ball at midfield after Tech tailback Dick Van Kirk's quick kick went astray, and in 13 plays they had their second score, Fullback Don Lyon capping the drive with a one-yard plunge.

Midway in the third quarter the Bengals recovered another Tech fumble, this time on the Beaver 45, and pushed across their third TD.

After the following kickoff, Tech's attack finally got rolling, and the Beavers drove 66 yards in just six plays, with Don Stocking rambling the final 16 on a reverse off the double wing. Chuck Malone kicked the extra point to make it 21-7, Oxy, as the fourth quarter began.

Midway in the final period Tiger halfback Chauncy Pa scored the fourth Oxy touchdown on a 25 yard sweep, and after the ensuing kickoff Tech was unable to move, so Van Kirk stepped back to punt for the Beavers. Bengal end Darrel Sorenson broke through to block the kick, and guard Don Bruner picked off the ball in midair and rambled 37 yards to score the final TD of the game.

## Interhouse sports

Interhouse Basketball ended in a three-way tie for top honors between Dabney, Fleming and Throop. They each finished with three won and one lost records. Ricketts had sole possession of fourth place with one win and three losses. Winless Blacker trailed the rest of the field with four losses.

Throop club won its final two games by scores of 47-39 against Ricketts and an emphatic 69-33 trouncing of Blacker, to finish in a tie for top honors.

Fleming cooled off a hot Ricketts team in the second half and made up an eight point deficit to win by 48-38.

Dabney gained a tie for top spot by beating Blacker 52-42 in its final scheduled game.

Leading scorers in Interhouse basketball:

	FG	FT	TP
1. Kraus (T) .....	30	8	68
2. Welsh (F) .....	18	18	54
3. Hecht (R) .....	25	3	53
4. Mebust (R) .....	21	5	47
5. Lebovitz (T) .....	17	4	38

**CAMPUS BARBER SHOP**  
In Old Dorm  
Where Everyone is Welcome  
Paul A. Harmon

**Your Nearest Laundry SUDS-KISSED**  
Authorized Westinghouse Laundromat  
Near corner of Lake and California  
Dry Cleaning—Finished Laundry  
Fee Parking—SGH Green Stamps  
24-Hour Laundry Drop  
922 E. California St. SY. 2-2300

# Booters drop Hens, 3 - 2

Last Saturday, in a bitterly contested match, the Caltech Varsity soccer team defeated Pomona 3-2. Playing here at Tournament Park the battle raged into two overtimes before the issue was settled. This is the second bitter pill swallowed by Pomona in recent weeks, for this same Caltech squad upset the Sagehens in a surprise victory midway in the season.

Pomona scored first on a lone goal in the first half, Steffanson matched it for Tech with a penalty kick in the third quarter, and Tenn put the team in front with a goal in the fourth. Pomona tied the score in the closing moments, and the game went into overtime. The first period netted no further score, and with only one minute to go in the final period, Norton aced the final point to end it all.

The J.V.'s lost to Thatcher at Ojai, but the 7-2 score hardly reflects the calibre of Tech play. This is the first instance where the team has really worked as a unit, maintaining control of the ball throughout the entire game.

## Harriers top Poets

Fred Witteborn led Caltech's varsity cross country squad to a decisive 16-43 victory over Whittier last Friday. Tech took the first four places, and six of the first seven, as the whole Beaver team beat Whittier's second man. Don Lewis was second, Tom Moore a strong third, Dan Wulff fourth, Dave Yount sixth, and Reid Saunders seventh.

**HELP WANTED**  
Young man 20-22 yrs. old for general maintenance-janitor work from 5:30 to 9:30 p.m. see Jack Armstrong at Pasadena Bowling Lanes at  
970 E. Colorado  
SY 3-1341

## LITTLE MAN ON CAMPUS

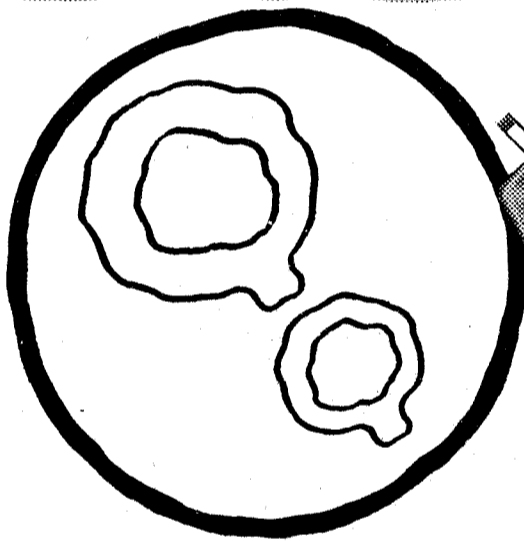
by Dick Bibler



# HI! JOIN ME FOR A LUCKY DROODLE?

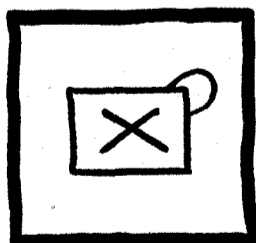
WHAT'S THIS?

For solution, see paragraph below.

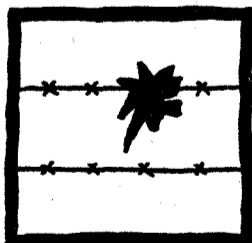


**HERE'S A DROODLE THAT PACKS A PUNCH.** It's titled: Lucky smoke rings blown by prizefighter with tooth missing. It packs a moral, too: Why knock yourself out looking for a better-tasting cigarette when all you have to do is light up a Lucky? Luckies taste better, first, because Lucky Strike means fine tobacco. Then, that tobacco is TOASTED to taste better. So light up a Lucky. It's the winner — and still champion — for better taste!

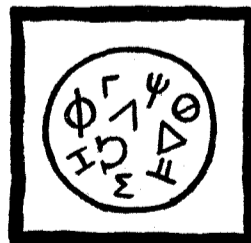
DROODLES, Copyright 1953 by Roger Price



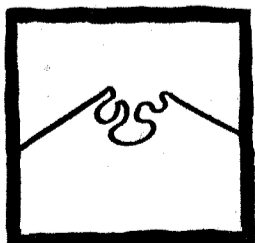
**SIGNATURE STAMP FOR ILLITERATE**  
Glenn Crawford Emory



**NARROW ESCAPE FROM ANGRY BULL**  
Janice Ruth Ferris Northern Illinois State



**ALPHABET SOUP IN A GREEK RESTAURANT**  
Norman Gerber C.C.N.Y.



**JIGSAW OF FUJIYAMA (PIECE MISSING)**  
Robert Bardole U. of Florida

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# Cool Corner

By Frank Kofsky

**Collaboration:** Shorty Rogers and Andre Previn, an RCA Victor long playing high fidelity record (LJM-1018) featuring: Bud Shank, alto sax and flute; Bob Cooper, tenor and oboe; Jim Gluffe, baritone sax; Shorty Rogers, trumpet; Milt Bernhart, trombone; Andre Previn, piano; Joe Mondragon or Curtis Counce on bass; Al Hendrickson or Jack Marshall, guitar; Shelly Manne, drums.

It is fairly safe to claim that the very talented Andre Previn is not primarily thought of as a jazz artist by the great majority of people. He has, in fact, had a very thorough training as a classical composer and pianist, and for some time has been closely associated with such foremost modern composers as Mario Castlenuovo-Tedesco. Now twenty-six, Previn joined the Metro-Goldwyn-Mayer scoring staff ten years ago and since has served as arranger, composer, conductor and pianist, or any combination thereof, for many an M-G-M picture.

However, even though it is not widely known, Previn is very interested in the future of contemporary jazz music. He heard his first jazz recording at the age of eleven and immediately became interested in jazz as another form of musical expression, being early influenced by Art Tatum, Nat Cole and Teddy Wilson. However, his technique soon evolved into that of the modern idiom, as did his compositions, and on **Collaboration** he proves that he is able to take his place beside the Russ Freemans and Pete Jollys in meeting the demands of the new jazz.

Less need be said about the redoubtable Mr. Rogers. It is very humorous to consider that Rogers, who was born in Great Barrington, Mass., epitomizes the current crop of so-called West Coast jazz musicians. Like Previn, Rogers has lent his composing and arranging talents to many of the finer movies which have come out of Hollywood,

The **Wild One** for instance. Realizing the need for originality in modern jazz, Rogers has never ceased to experiment with devices which have their origin in classical music in order to produce an art form of lasting value. Moreover, as a trumpet player, Rogers, with his precise and tasteful solos, is one of the best spokesmen for his own type of music.

In light of the abilities Messrs. Rogers and Previn and the other well-known figures appearing with them, one would expect something unusual to ensue, and sure enough, something does. To begin with, the composition-arrangement pattern utilized is different, at the very least. On the first side, Rogers leads off three different standard songs, via his arrangements of them. Following each of these, Previn presents an original instrumental, based on the same chords, but with, of course, numerous variations. On the second side of the record, this procedure is reversed.

## 'Hi-Volts' talk set for Friday

Dr. G. D. McCann, professor of electrical engineering at Caltech, will lecture on "Lightning and Atmospheric Electricity" Friday evening in 201 Bridge at 7:30 p.m.

This demonstration lecture, popularly known as "Hi-Volts," has become a yearly feature of the Friday night lecture series.

Among the topics to be discussed by Dr. McCann are how the earth, which carries a negative charge, is continually being discharged and how it is again charged by lightning; how thunder clouds are charged and how they are discharged.

## Houses announce social schedule

Several novel events are scheduled on this weekend's social calendar. Friday evening, November 18, Blacker will hold an Allee Rallee. Other events will include a Theater Party for Throop and an exchange with Glendale City College for Dabney on Friday; on Saturday a Party-Party for Dabney, an off-campus party for Blacker, a square dance for Ricketts, and Fleming and Throop will co-sponsor a Roman party with couples dressed in togas.

The following Tuesday, November 22, Ricketts will have a theater party at "The Drunkard."

## TV PROGRAM

(Continued from page 1)

major components of cells and the subject of extensive Caltech research.

Dr. A. J. Haagen-Smit, noted for his work on the chemistry of smog, will demonstrate some of the equipment used in his study of this problem.

Other Caltech installations and activities to be seen on the show will be the huge electron synchrotron, an atom-smasher designed for exploring the atomic nucleus, the tiny horses and giant sea-serpents of the geological museum, and the great display of man-made lightning in the high voltage laboratory.

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