

# The California Tech

California Institute of Technology

Volume LVIII

Pasadena, California, Thursday, April 4, 1957

Number 21

## Sex lectures open with film

The 1957 version of the Caltech sex lectures opened last Thursday night with a film, shown in Culbertson Hall, and smaller group discussions in the student house lounges. Tonight's final session will begin at 7:30 in Culbertson with a panel discussion of the participating psychiatrists.

### Big T, Tech offices open

Nominations for the offices of Big T Editor and California Tech Business Manager were opened at the meeting of the Board of Directors last Monday, April 1, and will remain open until the meeting of the Board on the coming Monday, April 8.

Anyone interested should place a note in the K box in Dabney and be present at the Board meeting.

The only persons nominated as of Monday, April 8, were Reed Saunders for the office of Big T Editor and Dave Leeson for the office of Tech Business Manager.

Elections will be held Thursday, April 11, 1957.

## Lisle offers fellowships

The Lisle Fellowship is offering a number of fellowships for travel in Asia, the United States, and the USSR.

The fellowships are available to anyone over the age of 18 who is interested in the cultural opportunities of this travel. Applicants may choose the country they wish to go to. Applicants for a given country will then proceed to that country as a group. The tours usually start sometime in June. Part of the cost of this travel is met by Lisle Fellowships, the amount being determined by the financial need of the applicant. Anyone interested in further information should contact Dr. Gilbert in Dabney Hall.

## Folk dance festival set for Saturday

The annual International Folk Dance Festival will celebrate its tenth anniversary with a gala performance of lively folk arts from twenty nations Saturday evening, April 6, in Philharmonic auditorium.

Schottisches, czardas, horas, kopaks, jigs, reels, and squares will succeed each other on the Philharmonic stage as ethnic groups demonstrate authentic national dances.

The cast, a "who's who" in the world of international dance, includes Eva Cserhalmi, prima ballerina from the Budapest opera; flamenco sensation Luisa Triana, soon to be seen in MGM's "Les Girls"; Devi Dja and her Bali-Java dancers; the show-stopping "ballet jazz" of Archie Savage; and Egypt's dance idol Omnik Sahakian in his U. S. stage debut.

Tickets, ranging from \$1.25 to \$3.50, are still available at the Philharmonic Auditorium, box office, Michigan 8401 or Southern California Music Company, 737 South Hill St.

## Theological students in houses next week

### BOD

### Board to choose S-F subcommittee

Next Monday the ASCIT Board of Directors will choose a subcommittee to the Student Faculty Relations Committee. This subcommittee will concern itself with the problems of curriculum and educational policies from the student viewpoint.

Those interested in serving as members of this committee have been requested by the BOD to attend Monday's meeting, at which time they will be screened and appointed. Any students who feel that there are problems arising from the present curriculum or educational policies of the Institute are invited to apply; they need not be presently on the Student Faculty Relations Committee. This subcommittee will report to the S.F.R.C. at a later date concerning student feelings with respect to course plans, prerequisites and requirements, and general policies.

### Dinners, discussions on schedule for next week's conference

Five theological students from California seminaries will live in the student houses all of next week while taking part in a YMCA sponsored program consisting of small group dinners with students and faculty on Wednesday, a panel discussion in Dabney lounge on Thursday, and many informal discussions.

### Taylor new IHC prexy

In the recently held Inter-house committee elections Vince Taylor, Ricketts prexy, was unanimously elected president, and Joe Fineman, the present secretary of Fleming House, was elected secretary.

A number of questions were discussed last week including various complaints of the houses led by Ricketts' drive to incorporate the great suite into dormitory rooms. Also, a proposal to broaden the number and types of sports for Discobolus competition was talked over with overall revisions of the present rules in mind.

Yesterday, a joint meeting was held with the faculty members of the Student-faculty Relations Committee.

Students are urged to submit written questions for discussion by the panel of psychiatrists at tonight's sex lecture. According to Dr. George D. Mayhew, master of student houses, the purpose of requesting written questions is to allow them to be more carefully framed and to permit submission of inquiries which it might be embarrassing to ask in a group. Questions should be taken to Dr. Mayhew's office in the student house basement before 5:20 tonight.

Each group was led by one of the psychiatrists participating in the program. Attendance at the film, concerning the physiology of sex, was estimated at 120. The group discussions lasted till after 11 in some cases. The questions concerned mainly the social and psychological aspects of sex.

Tonight the psychiatrists will answer the written questions submitted by the students. Following the discussion, the audience will again break up into groups in the student house lounges for discussions led by the psychiatrists. Each of these discussions is open to all Caltech students regardless of house affiliation.

This year's sex lectures are sponsored by the health service and were organized by Dr. Richard Webb, medical director of the health center. Participating psychiatrists were Dr. John Weir, Dr. Thomas Dorr, Dr. Karem Monsour, Dr. Warren Jones, and Dr. Daniel Siegel.

## Four films on for Y series

Four films are scheduled by the Y film series for next term, to be shown in Culbertson at 7:30 Sunday nights.

The series will offer the following films: April 7—"Little World of Don Camillo," a comedy starring Fernandel and Gino Cervi; April 21—"Red Shoes," a film based on a story by Hans Christian Andersen, starring Moira Shearer, Anton Walbrook, and Marius Goring; May 12—"Laura," a murder mystery starring Dana Andrews, Gene Tierney, and Clifton Webb; and May 19—"Cry the Beloved Country," a drama starring Canada Lee, Charles Carson, and Sidney Painter.

Series tickets are priced at \$1.25 and single tickets at 45 cents. Series tickets will be sold by film committee members at the Y office, or at the door.

### EE'S WILL MEET

All junior and senior EE's are invited to hear the presentation of student papers from "surrounding" colleges on Tuesday, April 9.

Meals at the AIEE Athenium dinner before the presentation will be supplied gratis by industry representatives. See Marcia in Dr. McCann's office before Monday noon for details.



Dr. Ray Untereiner, evening speaker at Alumni Seminar, April 6.

## Alumni, wives to attend Seminar Day at Tech

Saturday, April 6, 400 Caltech alumni, their wives and guests, will attend the 20th Annual Alumni Seminar at Caltech, which will include sports, demonstrations of scientific equipment and talks by Caltech authorities on viruses and cancer, floods, radio astronomy, political science, and aeronautics.

The morning program features the following topics and speakers: "Viruses and Cancer," Harry Rubin, senior research fellow in biology; "Floods! Are We Prepared?" by Norman H. Brooks, assistant professor of civil engineering; "Life at a Quarter Millions G's" by Jerome Vinograd, research associate in chemistry; "Broadcasts from the Stars" by John G. Bolton, senior research fellow in physics and astronomy; "New Cars and New Politics" by

James C. Davies, professor of political science; and "Revolution in Aeronautics" by Clark B. Millikan, director of Guggenheim Aeronautical Laboratory. The afternoon program will be devoted to a symposium on "The Next Hundred Years," the speakers being James F. Bonner, professor of biology; John R. Weir, associate professor of psychology; and Chester M. McCloskey, executive director, Industrial Associates.

At a dinner the same evening at the Pasadena Elks Club the alumni will hear an address by Dr. Ray Untereiner, Commissioner of California Public Utilities Commission and Caltech faculty member currently on leave of absence. His subject will be "California Utilities and the Commission."

The five will stay in rooms vacated by delegates to the model U.N. Their stay is being financed by the Danforth foundation.

The YMCA will distribute brochures giving detailed information about each man tomorrow, and each man tomorrow.

**Jack Biersdorf**  
A congregationalist from the interdenominational Pacific School of Religion in Berkeley, he is 26 years old. He was student body president of Washington State in 1952, where he received an A.B. degree. He is a Marine veteran, and while at Caltech he will stay at Blacker.

**Douglas owe**  
From the Southern California School of Theology in Los Angeles, a Methodist oriented but interdenominational school, A.B. from Occidental, 1952. Aged 25. He is youth pastor at the Neighborhood Congregational Church in Pasadena. He will stay at Fleming.

**Jack Jennings**  
Aged 25; now studying at the San Francisco Theological Seminary in San Anselmo, a Presbyterian school. His interests are preaching, music and psychology. He received his A.B. degree in 1953, from Lewis and Clark University. He will stay at Dabney.

**Roger H. Wood**  
Stanford A.B., 1948, L.L.B., 1952. Member of the state Bar. He is presently studying at the Church Divinity School in Berkeley, which is an Episcopal school. His interests are preaching and church administration. He will be a guest of Ricketts House.

**Sanford Regins**  
A graduate of UCLA, he is now a freshman at the California branch of the Hebrew Union College. He was a member of the student legislative council at UCLA, and chairman of the model U.N. He led "Project India in 1955," a Ford Foundation sponsored good will tour. He will stay at Dabney.

## SCOREBOARD

BASEBALL	
Whittier 20, Tech 3 (Frosh)	
Tech won by default from La Verne, 9-0	
L. A. Pacific College 13, Tech 2 (Frosh)	
Pomona-Claremont 7, Tech 4 (13 innings)	
Pomona-Claremont 8, Tech 1 (6 innings)	
SWIMMING	
Tech 45, Redlands 40	
Tech 55, Redlands 30 (Frosh)	
L. A. City College 51, Tech 35	
TENNIS	
Tech 8, Whittier 1	
Tech 4, Whittier 3 (Frosh)	
TRACK	
Tech 77, Whittier 54	
Whittier 83, Tech 38 (Frosh)	
GOLF	
Pomona-Claremont 33, Tech 3	

# DOUBLED AND REDOUBLED

by Kay Sugahara

This is another of the hands from the Intercollegiate Bridge Tournament. It is one of the more elementary hands but perfect play is still required to make the contract. The hand:

North  
S—K 10 5  
H—7  
D—A K J 2  
C—10 7 6 4 2

West  
S—A Q 8  
H—K Q 9 5 4  
D—Q 3  
C—9 8

East  
S—9 4 2  
H—A 10 8 2  
D—10 7 6  
C—A K 3

South  
S—J 7 6 3  
H—J 6 3  
D—9 8 5 4  
C—9 8

Dealer: South

Vulnerable: Neither side  
The bidding is rather straightforward with west ending up at four hearts. North opened the king of diamonds and followed with the ace. When the queen dropped on the second round, he continued with the jack to force the declarer to trump in his hand. (If pressed for a lead it is usually good practice to make the declarer trump in his hand. This is true because most of the time the declarer has a longer trump suit than dummy and he doesn't gain anything by trumping with his long trumps. He will get them anyway. Also you might set up a trump trick for your partner. It is not good to let the declarer trump if he has fewer trump in the closed hand than in the dummy or if he will get a rough and a slough.)

West trumps the third diamond lead in his hand. He has already lost two diamond tricks

## The Barfly

by

Ed Shuster and Kay Sugahara

This week's drink falls in the general class of "grog" i.e. rum, water, and ice. Our variation is called "Navy Grog."

### NAVY GROG

- 1 oz. Bacardi Rum
- 1 oz. Jamaica Rum
- ½ oz. Demarara Rum (160 Proof)
- ½ oz. Puerto Rican Rum
- Juice ½ Lemon
- Juice ½ Lime
- 1 tsp. Sugar
- Dash of Bitters
- Plain Soda to taste

Shake and pour over ice. Garnish with orange slice and cherry

This drink requires choice rums which probably run beyond the pocketbook of the casual drinker. However, we recommend that you try Tweedees during the cocktail hour, 5 to 6. Their bartender has demonstrated his skill in whipping up this drink and besides they throw in appetizers.

If you happen to be around the Beachcombers in Hollywood or the Huddle in Inglewood you can also step in and try a good one.

Needless to say one or two of these is sufficient for the average drinker. It is very much recommended if you wish to forget it all and get away for a couple of days.

Note: When at Tweedees ask for a Dr. Funk. Its main ingredient is also rum but in addition it contains Creme de Licorice. It's perfect for rum guzzlers and licorice lovers.

Welcome!

### CAMPUS BARBER SHOP

in the Old Dorm

Hours: 8-5:30 Price: \$1.50

Phone: Ext. 212

Two Barbers on Monday & Friday

## Audience 'Family of Man' opens at LA Muni March 27

The most complex art installation since the opening of Los Angeles' Municipal Art Gallery is being undertaken for "The Family of Man" photographic exhibit which opened there March 27.

Sent here from San Francisco three weeks in advance of its opening in Frank Lloyd Wright's modern gallery atop the hill in Barnsdall Park, the 500 photographs in the display come in an amazing variety of sizes and shapes.

### Oneness in theme

The basic "oneness" of people throughout the world is the theme of this vast display of work by 273 photographers in 68 different lands. The title, "The Family of Man," comes from a Lincoln quotation mentioned by a famed poet-biographer Carl Sandburg.

As set up in the Municipal Art Gallery atop the hill at the

corner of Vermont Ave. and Hollywood Blvd., "The Family of Man" begins with the theme of individual love and ends on a note of hope for love between all peoples. Lovers, marriage, childbirth and early years, toil, recreation, joy in family life, the dignity of later years, the hurt of pain and the sorrows of death—all are mirrored in their universal aspects throughout the world.

### Unusual displays

Several of the pictures form special sequences, displayed in unusual ways. One, a series on pregnancy, childbirth and early nursing, is housed in a circular area 12 feet in diameter, which is completely enshrouded in gauze-like draperies that lend a special softening character to the lighting and also serve to set aside this intimate sequence from the general run of the pictures.

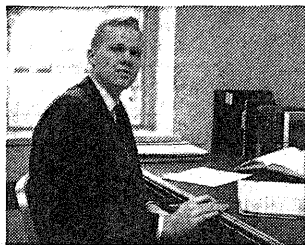
Another group is known as the "World," and is a series of pictures of children playing the same game in many lands. The pictures have been hung on a circular framework nine feet in diameter, but only about three-and-a-half feet high, and thus of perfect size for viewing by children.

### Many countries represented

Typical of the approach was the fact that the best picture of "jitterbug" dancing came from a German photographic school, that a crowd of nuns provided the most dramatic picture of the universally-played game of "ring-around-the-rosy," and that an Indian boy from Peru, playing a wooden flute, was chosen as the "theme" picture to underscore the note of optimism and the universal melody of human action pictured in the exhibit.

Opening Wednesday, March 27, "The Family of Man" will be on view from 1 to 9 p.m. every day through May 5. Admission will be 50 cents for adults and 25 cents for students and children from 6 to 12.

John Lango



## "What's it like to be

## A RESEARCH ENGINEER AT IBM?"

Two years ago, college senior Robert Thorpe asked himself this question as he worked toward his E.E. at the University of Toledo. Today, an Associate Engineer in the Applied Logic Group of IBM Research, Bob reviews his experiences and gives some pointers that may be helpful to you in taking the first, most important step in your career.

ment of a system containing both analog and digital components. Bob still works on this project—toward a completion date of April, 1957.

Shortly after this program started, Bob joined the Applied Logic Group.



Plotting transistor characteristics

Here, he was concerned with research in new areas of computer technology—for example, cryogenics and high-speed memories. Bob studies systems which operate on "real time," and his immediate problem is to analyze and synthesize closed-loop sample data systems for the control of complex data processing.

Asked what his most interesting assignment was, Bob replied, "My

the administrative side, or to Staff Engineer, the technical side of Research. "Either way, I'm sure I'll get ahead," Bob feels. "Electronics research is really on the move at IBM. We have about 600 people at Poughkeepsie now, as against 56 in 1950. We'll need some 1,700 before 1960 to help staff a new research laboratory at Yorktown Heights, Westchester County, N. Y."

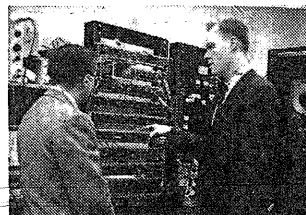
What does he like best about IBM? Probably the fact that he's so much "on his own." "There's no 'over-the-shoulder' supervision," he says. "You schedule your own program and create your own 'pressure.' And, if you



Promoted in fourteen months

feel the need for more education, IBM provides every facility for continued study. Besides the voluntary training programs, there are excellent afterhours courses offered by the IBM Department of Education. And you have a chance to work toward advanced degrees—at IBM expense."

IBM hopes this message will give you some idea of what it's like to be an E.E. in Research at IBM. There are equal opportunities for E.E.'s, I.E.'s, M.E.'s, physicists, mathematicians, Liberal Arts majors, and Business Administration graduates in IBM's many divisions—Product Development, Manufacturing Engineering, Sales and Sales Assistance. Why not drop in and discuss IBM with your Placement Director? He can supply our brochure and tell you when IBM will next interview on your campus. Meanwhile, our Manager of Engineering Recruitment, R. A. Whitehorse, will be happy to answer your questions. Just write him at IBM Corp., Room 590 Madison Ave., New York 22, N. Y.



New areas of computer technology

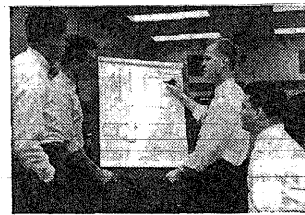
work on a digital-to-analog converter with a high degree of sensitivity and accuracy. This strictly electronic converter, with transistors, combines both digital and analog circuitry. It was a tough problem, and a fascinating one."

### What does the future hold?

At the present time, after two years in IBM Research, Bob is more than enthusiastic about his future. He plans to continue in systems study and to develop "a more sophisticated approach." Two lines of advancement are open to him: to Project Engineer,

"I joined IBM for two clear-cut reasons," recalls Bob. "First, the tremendous company growth obviously offered every chance for advancement. Second, the work area was exactly what I was looking for—transistors and their application to computer systems."

Bob entered IBM's voluntary training program in June, 1955, where he studied the entire organization, its divisions and diversified products. He received technical training in computer logic, programming, and components such as transistors, cores and tapes. By September, half his day was being devoted to an actual project; by the following March, he was on this project full time. "Our job was



The "small-group" approach to research

to transistorize six servo-amplifiers for the MA-2 bombing-navigational system," he recalls, "and we completed the project in April."

In IBM Research (as in all IBM) Bob works in a small group. "Our team consists of three E.E.'s and a technician. We start with analysis and synthesis work involving math and systems logic. Then we use the 'black box' approach." His group splits up occasionally to research special phases of a project but reunites in frequent sessions to coordinate activities.

### Promoted to Associate Engineer

In August, 1956, Bob was made an Associate Engineer. From April of the same year, he had been working on a new Government project. This was "to design and develop a transistorized radar data presentation system for the MA-2 system." Basically, this was a research program in sample data theory and the develop-



BRIDGE

(Continued from page 2)

cashes the top diamonds ending up on the board. Next, he leads the nine of spades. South has two choices, play the jack or go low. If he plays the jack, south covers with the queen. The best north can do is take the king and lead a spade hoping his partner has the eight. North was thus forced to lead from the ten-five into the ace-eight. Now if south doesn't cover the nine of spades, west plays the eight and lets north win the trick with the ten. This time north is forced to underlead his king into the ace-queen. In both these cases north could have led a diamond or a club depending on what he kept but this would accomplish nothing since declarer could slough a spade from one hand and trump in the other.

When setting up an end play, there is one thing to remember. You must strip all safe exits from the endplayed hand. This involves taking all the winners from both dummy and the closed hand and trumping out all possible losers. You must make the endplayed hand lead from his ace-queen into your king or underlead his king into your ace-queen or give you a rough and a slough. The cards need not necessarily be the exact ones

picnic—just goes to show—“even drunk, my head's further out than any of yours—”

The Beak, in a state of some inebriation, was lured to the Tech office. There, he encountered many smirking informers, anxious to reveal the peccadillos of their “buddies.”

Said a Drubnoid, “Notice how Ivy D. Johnswine has been? I suspect certain relations between him and the ASCIT First Trumpet!”

The B., turning in disgust, met a phlegm.

“How curious it was,” said he, “that D. Ratsass had to don his lower accoutrements when the other Dxx entered his apartment!”

The B., confused as per usual, turned to face Rowdie.

“Had a B. D. riot. Shouted, raised hell, sent even more to the infirmary.”

And Silent Ed says he hopes it is only the timing chain on

mentioned but he has to be forced into leading from his tenace into the finessable honor or underlead his potential winner into your tenace.

# Campus Brewins

his Jag, which can devour Krapps, which had better not be printed, as only the Phlegm Sports' Automobiles Exclusive will read it—”

Turning again, the Beak met a Blech.

“Much as I hate to admit it, nothing, yes, nothing has happened in Blecher haus—at least until Blecher gets a pseudo-quasi. Beque.”

At the point of regurgitation, the Beak encountered a Throoper.

“I hear Tidbits has been accepted as a member of the little men's drinking society.”

“You're right,” said el nariz.

“Not only that,” said the Beak, “But how about Forsythe and Shehnrr engaged—not, surprisingly, to each other, and Kleiderer's excellent performance between the sheets, and Brest and Roe meeting Jackie Coogan's brother so intimately, and the story of phlegm Charlie Braum (one of four) vs. and ex-Blacker man (one of many) in Portland—and the Grand Rabbi of the Jewman Club unable to say a Hail Mary after the phlegm

# The Bull Pen

by Ford Holtzman

I am sure that if you ask any member, past or present, of the ASCIT Board of Directors what is the purpose of that board, he will tell you very piously that it is a body, representing the members of the ASCIT, set up to govern the ASCIT. We seem to be gung ho about representative government in this country. But if you should happen to wander down to the Board Room some Monday, you may wonder, as have many before you, who is representing whom. In the opinion of this writer, the old Board of Directors spent much of its time representing special interest groups, particularly the Board itself, rather than the entire student body. And the newborn Board certainly has not exhibited any strong tendencies in the other direction.

A case at hand is that nefarious blast known as the Board Party.

The Board Party is financed with funds from the ASCIT general fund and from the pockets of the Board members. Taking money from the general fund has been justified on the grounds that the money taken out is, more-or-less, money put

into the fund by Board members themselves in the form of fines. (The Board imposes fines on its members who are late to Board meetings, who swear during Board meetings, who appear at the meeting improperly garbed, etc.) However, the money paid as fines amounts to less than a quarter of the money taken out for the party. After all has been added and subtracted, approximately \$100 comes out of the duespayer's pocket for the Board Party.

The question arises, “Is the party worth \$100 to the undergraduate student body as a whole?”

It certainly is worth it to about 3% of the student body (i. e. the members of the new and of the old Boards). But there will have to be a pretty good reason for leaving out the other 97% before I shall be satisfied.

Somebody has said the Board deserves a party because they are such neat and hard-working guys. The question is not one of deserving. God spare us all from what we deserve! The question is more simple and solvable than one of deserving. It is how much can we get for as little as possible. After all, we are not running a charity. Perhaps the most powerful argument in favor of the party is that inducements such as the Board Party are needed in order to ensure the best possible leadership for the ASCIT. But I feel that the best men would run for the offices without the few financial rewards involved. In the first place the financial rewards are practically negligible if you think of it in terms of dollars per hour. The wage would be considerably below the minimum. This fact invalidates the argument that Board members should be given financial rewards because serving on the Board keeps them from holding an outside job.

I doubt that the few financial rewards play much part at all in deciding individuals to run for ASCIT officers. There is so much else to be gained—experience in working with people, experience in executing the particular job involved, the pleasure of having your picture in the Little T, the pleasure of tacking a shingle on your door, the pleasure of watching fortunes rise or fall on the raising of your hand—these and others of their kind are the real reasons why people run for ASCIT offices. The financial rewards are simply too few to be of importance. They do not benefit the ASCIT as a whole.

Consequently, I must conclude that the Board Party is just a subtle way for the Board members to appropriate money for their own private ends.

# Sticklers!

**WHAT IS CIGARETTE SMOKE ON A COLD DAY?**  
(SEE PARAGRAPH AT RIGHT)

**CALENDAR** says it's spring . . . but it ain't necessarily so. The freezin' season may still come up with one last blast. And when that happens, your cigarette smoke makes a mighty *Crisp Wisp!* Of course, with Luckies, you can forget the weather. Luckies taste fine all year round—and no wonder! A Lucky is all cigarette . . . nothing but fine, mild, good-tasting tobacco that's **TOASTED** to taste even better. Forecast: You'll say Luckies are the best-tasting cigarette you ever smoked!

**WHAT IS A HIGH-POWERED DETECTIVE?**

**Super Snooper**  
BERNARD PARK, TUFTS

**WHAT IS A ROOKIE TAXIDERMIST?**

**Duffer Stuffer**  
SHIRLEY ROCKWELL, KANSAS STATE TEACHERS COLL.

**WHAT CAUSES A LOST SAFARI?**

**Jungle Bungle**  
EDWARD SAMPLE, WESTERN MICHIGAN COLL.

**WHAT IS A STOCKING MENDER?**

**Sock Doc**  
PETER SCHMITZ, NEBRASKA

**WHAT IS A FRAGILE HEADDRESS?**

**Frail Veil**  
CHARLOTTE SCHRADER, ARLINGTON STATE COLL.

**LUCKY STRIKE CIGARETTES**

**WHAT IS A LIMPING LEPRECHAUN?**

**Hobblin' Goblin**  
TRAVIS SLDUMB, JR., V.P.I.

**WHAT IS A GAY 90'S DRESSING PROBLEM?**

**Bustle Tussle**  
MARLYN SHURTER, MIAMI U.

**STUCK FOR DOUGH? START STICKLING! MAKE \$25**

We'll pay \$25 for every Stickler we print—and for hundreds more that never get used! So start Stickling—they're so easy you can think of dozens in seconds! Sticklers are simple riddles with two-word rhyming answers. Both words must have the same number of syllables. (Don't do drawings.) Send 'em all with your name, address, college and class to Happy-Joe-Lucky, Box 67A, Mount Vernon, N. Y.

**"IT'S TOASTED" TO TASTE BETTER . . . CLEANER, FRESHER, SMOOTHER!**

# Luckies Taste Better

**COLORADO**  
"RICHARD III"

**UPTOWN**  
"The Rainmaker"  
and  
"The Teahouse of the August Moon"

**UNITED ARTISTS**  
"The Attack of the Crab Monster"  
and  
"Night of Desire"

# Harriers take Poets; Luke scores double win

Coach Bert Lalrucherie's varsity track team handily beat the Whittier Poets, 77-54, last Saturday at the loser's field.

The Beavers wound up by taking twice as many firsts as the Poets, and swept the 800 to boot. The only blemish for the Crown City boys was the hurdles, where they gained but four points in the two events.

Chuck Luke was the only double winner for Tech, winning the javelin at 179' and the discus at 115'6". Tony Leonard, the big, powerful sophomore, led the Beaver sweep of the half, winning in 2:02.8. Mike Rusch was second, and Bob Emmerling, after triumphing in the mile, came back to take third in the shorter event. Ron Forbess and Danny Wulff took the only individual events. Forbess won the 440 in 52.0 while Wulff took the two mile in 10:43.6.

Tech walked away with the field events, outscoring Whittier 36-18. Dick Van Kirk became the first team member to break 22 feet in the broad jump in many a moon. Van Kirk won the event in 22' 1 1/4". Gordon Barienbrock and Larry Kraus tied for first in the high jump at 6' while Bob Norton took the pole vault at 10' 6".

Despite their loss, the Poets produced two double winners in Ron Tebbs and Len Peden. Tebbs took both the 100 and 220, while Peden won both hurdle races, the 120 highs in 16.4 and the 220 lows in 25 flat.

This Saturday, the Beavers

meet Redlands on the Bulldogs' field. Redlands will be a lot tougher than Whittier, having taken second in the conference relays, and having beaten Pomona 84-47 in a dual meet.

## Frosh tennis team edge out Whittier

Last Saturday, the frosh tennis team met Whittier here. Caltech's narrow victory, 4-3, was marred by upset defeats of the top two men, Walsh and Butterfield.

The match consisted of five singles and two doubles, due to Whittier's inability to scrounge up a sixth man. The other three singles were won by Carl Morris, John Bard, and Martin Carnoy. The frosh won one doubles match for their fourth win of the day. The team of Walsh and Bard won, while the team of Morris and Butterfield lost. Tuesday, the frosh played a practice game with Webb school.

## P-C hands golfers third season loss

The golf team dropped its third straight match of the year to a strong Pomona-Claremont squad last Friday. However, it made the best showing to date.

Ed Shuster had a good day and managed to hit the scoring column with a sharp 74. Pete Abbey also looked good in defeat, narrowly dropping his match. On the whole the team is improving and can be expected to give the rest of the conference opponents some good competition. They are striving to repeat their second place finish of last year.

Tomorrow the team steps out of the conference for a return match with Loyola of Los Angeles at the Brookside links. The powerful Loyola squad beat Tech at L. A. Country Club, but the Beavers hope to do better on their home course.

## Frosh track loses, 85-38

Last Saturday the frosh track team traveled to Whittier for a dual meet. Despite the poorness of Whittier, Caltech was poorer by a score of 85-38. Bright spots of the afternoon were Shanks in the one and two mile; Holland in the high jump; Purnell in the javelin; all of whom took first.

(Continued on page 5)

# From The Pit

by Steve Emanuel

Caltech is known throughout the world for its research in science and engineering. But in the SCIAAC, it is also noted for its swimming team, one of the finest for miles around. Just how many miles will be decided tomorrow when Web Emery's men meet the Occidental Tigers in a dual meet that could very well decide whether or not the Beavers win the conference championship for the second year in a row. The meet now stands a toss-up, with neither team having a significant edge over the other.

Tech is a bit unbalanced in the freestyle events but then so is Oxy. Clark Rees, who has been breaking records ever since his frosh year, will be one of the strongest hopes for first places. Rees' latest effort was a 2:18 220 yard freestyle against LACC last week. This was a new conference individual record. Don Owings is one of the best breaststrokes in the conference. His 2:34.9 against LACC in the 220 is one of the fastest times in the conference this season. Bob Smoak in the backstroke and Bob Blandford in the butterfly are also being counted on for points tomorrow.

This could very well be one of the best home meets of the year. Anyone who didn't see Tech win the championship last year won't want to miss the meet tomorrow. It'll be worth seeing, so I strongly advise everyone to be at Alumni pool at four tomorrow and see some of the finest swimmers in the league.

\* \* \* \* \*

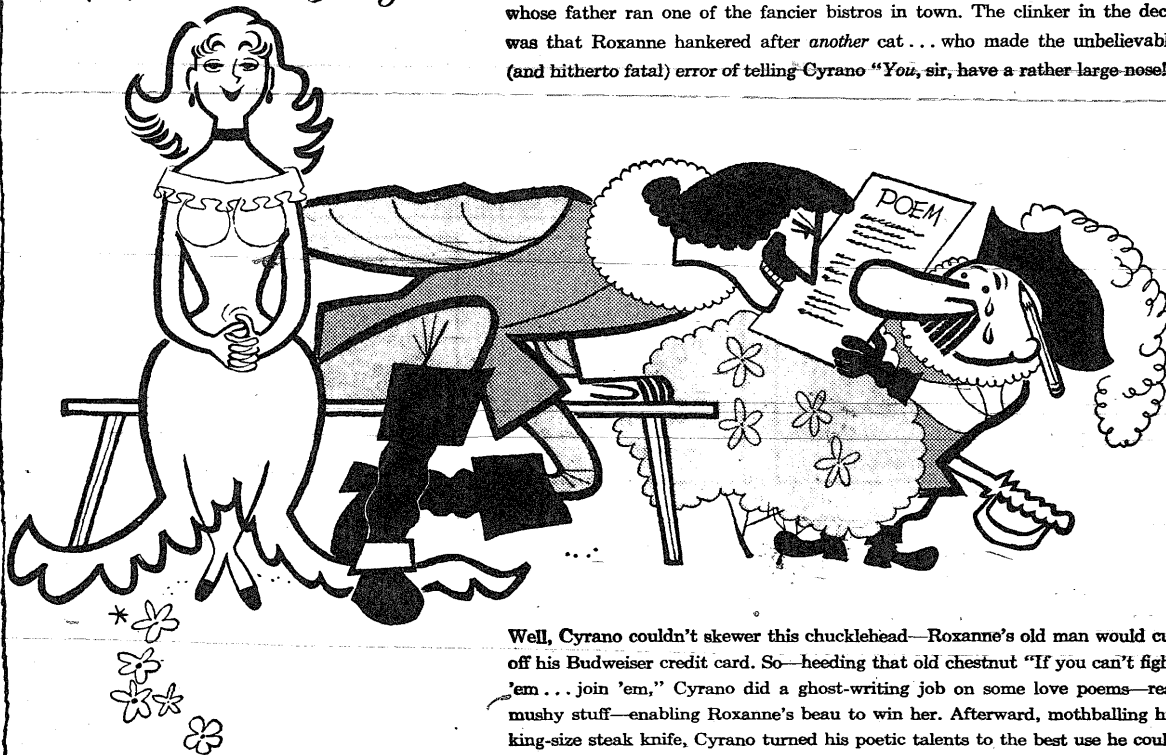
As a prognosticator, your editor makes a good spectator. Having predicted in last week's paper that the Whittier track team would take most of the field events, the Beavers came through and took the high jump, pole vault, broad jump, javelin, and discus; the Poets' lone victory came in the shot put. Dick Van Kirk's winning broad jump of 22' 1 1/4" was the most notable, being a mere five inches from the school record of 22' 6 1/2".

\* \* \* \* \*

Baseballers, you will notice a distinct lack of news about your sport. This is not because we do not like baseball, not because we don't appreciate your efforts, but because no one wrote the story. Next week we'll have baseball up the kazoo, with pictures, stories, and everything. Don't worry, you're not forgotten.

# CYRANO AND SYMPATHY

(or) Dead Pan Alley



Once there was a sword with a poet attached named Cyrano (the man, not the sword). Cyrano was equally famous for being handy with the cutlery and having a real honker of a nose. This proboscis was a real liability . . . not only to Cyrano, but to the bumpkins who had the misfortune to make fun of it. They always wound up with an extremely low body temperature.

In the midst of all this swashbuckling, Cyrano fell for a chick named Roxanne, whose father ran one of the fancier bistros in town. The clinker in the deck was that Roxanne hankered after another cat . . . who made the unbelievable (and hitherto fatal) error of telling Cyrano "You, sir, have a rather large nose!"

Well, Cyrano couldn't skewer this chucklehead—Roxanne's old man would cut off his Budweiser credit card. So—heeding that old chestnut "If you can't fight 'em . . . join 'em," Cyrano did a ghost-writing job on some love poems—real mushy stuff—enabling Roxanne's beau to win her. Afterward, mothballing his king-size steak knife, Cyrano turned his poetic talents to the best use he could think of: writing lyrics for "Where There's Life . . . There's Bud."

MORAL: It's not necessary to "nose around" for the best in beer . . . it's waiting for you at your Budweiser dealer's now.

# Budweiser

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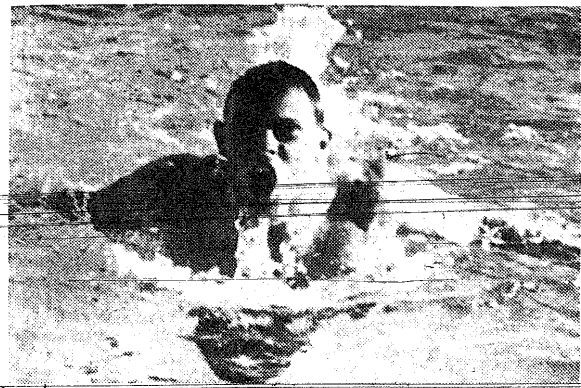


Photo by M. Carney

Bob Blandford, Tech swimmer, is shown thrashing his way to the finish line in the 200 butterfly.

## Tech mermen beat Redlands, lose to LACC in close meets

Caltech, defending conference champion swimmers, coasted to a 45-40 win over Redlands last Thursday. Despite the closeness of the score, the Beavers won with no sweat and little close competition. Don Owings and Clark Rees turned in credible performances in the breast-stroke and 220 freestyle, respectively. None of the other members of the team were pushed to any outstanding exhibition.

Bright spot of last Friday's meet with LACC, was Clark Rees' conference individual record in the 220 freestyle. He won over LACC's Starbird with a time of 2:18.0. Starbird and Lugosi paced LACC to a 51-35 win. Lugosi won the 50 and 100 free and Starbird won the 440 free. Tech's 400 medley relay team of Smoak, Owings, Blandford and Velinty turned in a surprise win with a time of 4:21.1.

Tomorrow, at 4:20, Oxy comes here in a varsity and frosh meet in Tech's first real test in a conference meet. Next week, Caltech travels to powerful Fullerton JC.

### CALTECH VS. REDLANDS

- 400 medley relay  
Smoak, Owings, Blandford, Velinty CT, 4:28.8
- 220 freestyle  
Rees CT, Kough R, Boling R, 2:24.1
- 50 freestyle  
Peters R, Brown CT, Kupfer R, 25.6
- 200 butterfly  
Blandford CT, Miller R, Thomas CT 2:48.7
- Diving  
Tipton R, Pjerrou CT
- 100 freestyle  
Peters R, Kupfer R, Brown CT, 57.3
- 200 backstroke  
Smoak CT, Kough R, Milder CT 2:44.2
- 440 freestyle

## Poets defeat frosh ball, 8-2

The freshman baseballers handed their first League game last Wednesday to the Poets from Whittier, giving up a total of 18 bases on balls. Final score was 20-3.

The extremely undermanned team (10 suited up) had to stick with starter John Walsh as the speedy southpaw suffered an inexplicable loss of control after racking up five strikeouts in the first two innings. The Poets picked up 15 runs on two hits in the third off Walsh, Dave Blakemore, and Sam Trotter, who finished the five-inning game.

The lone bright spot for the Beavers was catcher-pitcher-third baseman Dave Blakemore, who powered a run-scoring triple and a line single in three times up.

The triple came in the first inning, scoring right fielder Bill Smith from second. Shortstop Herm Hartung gave the Beavers a temporary two-run lead with his infield grounder.

After the third-inning farce, the team picked up its last run

## Netters win at Whittier

Caltech overpowered Whittier's tennis team, 8-1, last Saturday afternoon at Whittier. Caltech registered decisive wins in 5 out of 6 singles, but faltered momentarily in the doubles.

The results were as follows: Bernie Mueller (CIT) d. John Avila (W) 6-4, 6-1; Dick Ehr Gott (W) d. Frank Cormia (CIT) 2-6, 6-3, 6-2; Dave Yount (CIT) d. Peng Lim (W) 6-1, 6-1; Tom Hays (CIT) d. Jim Daugherty (W) 6-1, 6-3; Bob Tokheim (CIT) d. Phil Alvarado (W) 6-1, 6-2; Read Warriner (CIT) d. Bill Farrell (W) 6-4, 6-4.

Doubles: Cormia-Mueller (CIT) d. Avila-Ehr Gott (W) 7-5, 6-4; Yount-Hays (CIT) d. Lim-Alvarado (W) 6-0, 6-1; Tokheim-Warriner (CIT) d. Daugherty-Farrell (W) 6-4, 4-6, 6-1.

on outfielder Bob Golden's single and first baseman Lance Wallace's double.

	1	2	3	4	5	R	H	E
Whittier	0	4	15	1	x	20	4	0
CIT	2	0	0	1	0	3	5	6

Next game is Saturday at Oxy.

## SPORTS CALENDAR

- Friday, April 5  
GOLF Loyola at Caltech, 1:30  
TENNIS Caltech at Santa Barbara, 2:30  
SWIMMING Occidental at Caltech (V. & Fr.), 4:20
- Saturday, April 6  
TENNIS Caltech at Cal Poly of San Luis Obispo, 10 a.m.  
BASEBALL (2) Occidental at Caltech, 12:30  
TRACK Caltech at Redlands (V. & Fr.), 1:30  
BASEBALL Caltech at Occidental (Frosh), 2:15
- Monday, April 8  
GOLF Caltech at Whittier, 1:30
- Wednesday, April 10  
SWIMMING Caltech at Fullerton, 4:00  
BASEBALL Westmont at Caltech, 4:15

## FROSH TRACK

(Continued from page 4)

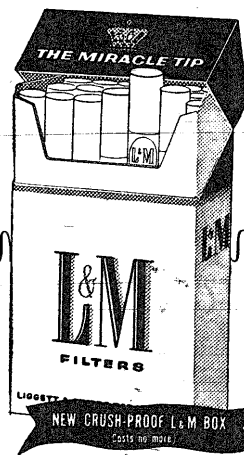
Laderman tied for first in the pole vault. Also scoring for the Beaverbabes were Keil, second in the 440 and third in the 220; Gottschall, second in the 120 high; Clark, second in the 880; Holland, third in the 220 low; Magie, third in the discus; and a new man on the team, Lee Hood, third in the broad jump. Tech's makeshift relay team of Hood, Clark, Holland, and Keil came in second.

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Said a popular B.M.O.C.:  
"The New Crush-proof Box is for me!  
It closes so tight,  
Keeps my L&M's right,

Said a Phi Beta Kappa named Jack:  
"I go for the L&M Pack!  
It's so handy to tote,  
In my shirt or my coat,

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2. Send your last line with the wrapper or box from the L&M pack you prefer (a facsimile will do) . . . along with your name and address, to L&M, P. O. Box 1635, New York 46, N. Y.
3. Contest restricted to college students. Entries must be postmarked no later than midnight, April 30, 1957.
4. Entries will be judged on literary expression, originality, sincerity and aptness of thought. Decision of our judges is final. Winners will be notified by mail.

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Since 1947

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7 Days a Week

# Secretary's Report

FARRAGO

The Board gave tacit consent to the proposals of Lango, Robkin, and Scholtz that they originate a new magazine under the joint sponsorship of ASCIT and the Humanities Department. With this consent was included the recognition of the death of Farrago. The new magazine will solicit material from not only undergraduates, but also graduates, Faculty, and employees of the Institute and its affiliates. The criteria for acceptance of material will be, in general, real literary quality and originality. A clearer and more lengthy statement of the policies of this magazine can surely be had from the Editors. Anyone interested in writing anything of a literary nature should certainly get in touch with one of the above named people.

## ADVISOR SYSTEM

Bill McClure is planning a complete program for publicizing the Advisor Program, primarily to the freshmen, but also to the Advisors and upperclassmen. If this publicity of the present system does not produce a real improvement of the system by the end of Fall Term this coming year, the Board will examine the entire program with an eye to making changes in the program itself. Student opinion as to improvements which could be made will be sought at that time.

## BIG BANDS COME TO CALTECH

Tony Iorrillo claims that through various devious methods he will be able to obtain the MGM Studio Band for the Friday night dance of the Lost Weekend. Tony will have more glowing details of this band, but the evening, it seems, will also include a personal appearance by Billy Mays!!!

## COMING ATTRACTIONS FOR NEXT WEEK

The stunning and almost unheard of appearance of no less than twenty (20) guests at last Monday's meeting combined with a formidable list of topics for discussion at the meeting this coming Monday prompts me to print here a preliminary agenda:

Budgets have been submitted and will be discussed.

Pleas for money from all interested organizations will be entertained.

The Board will discuss the general issue of changes in curricula and educational policy with the idea of appointing a committee of interested students to study this issue.

The ASCIT Board Party will be discussed.

I would be more than pleased to see as large a gathering of guests this coming Monday as last Monday. Everyone is welcome. This would be a good meeting just to watch the Board in action under stress.

Mike Godfrey  
ASCIT Secretary



The many inquiries into the identity of the lass who sent last week's letter to the editor seems sufficient excuse for printing her picture. Read next week's Tech for further clues to the identity of Maggie Harrington.

## California Tech

Editor-in-chief—Bob Walsh  
Managing Editor—Dave Leeson  
Night Editor—Jim Coe  
News Editor—Jim Wilkinson  
Feature Editor—Mike Milder  
Sports Editor—Steve Emanuel  
Audience Editor—John Lango  
Business Manager—Ed Park  
Entered as second-class matter November 22, 1947, at the post office in Pasadena, California, under the act of March 3, 1879.

# LETTERS

Editor, The California Tech;

I am dissatisfied with Caltech. Although I haven't been here long, I have had, as I suppose most freshmen have, many impressions of Caltech: I dislike the way the Institute runs our lives. Now, I have been told that students exercise a greater degree of freedom here than at almost any other school. In certain areas this may well be true. However, there are some matters which do inevitably fall to the authority of the administration, and with which I do find fault.

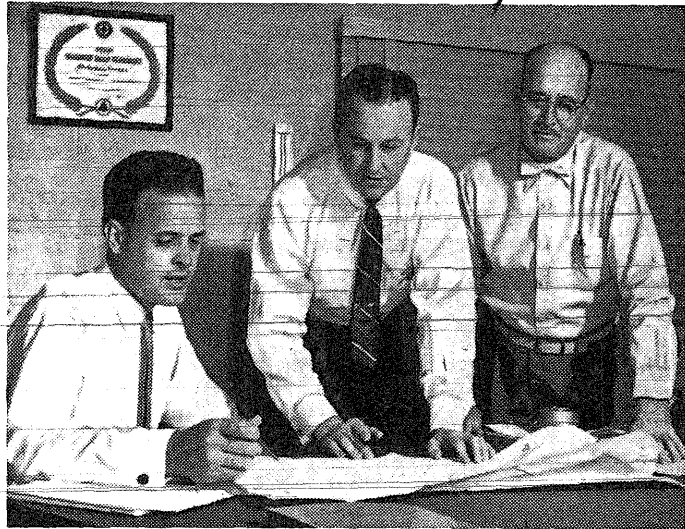
The first of these is the pressure exerted by the faculty. Each professor attempts to work his students to their capacity, which for Caltech students, is pretty large. This is entirely justifiable in that we came here to learn. Coupled with this is a certain aloofness on the part of the faculty which is also justifiable in that it is necessary in order to preserve "proper" student-faculty relations. However, the cumulative effect of these, under the study load Tech students have to carry, is enough to get even the best of students down. Furthermore, the problem is aggravated by the fact

that the faculty as a whole makes no effort to relieve these tensions. The net result is that the most important part of college life, the academic program, is pretty much of a grind.

The second point with which I take issue is that there is nothing representing a final responsible authority in the fields of both curriculum and student relations. Apparently the hierarchy both begins and ends at the level of faculty committees. One consequence of this is the lack of integration among the various departments. In a college such as Caltech, which is devoted for the most part to science, a greater degree of organization should be possible. Any freshman will tell you that the first-year course is especially bad in this respect. Another consequence is the mess which is the housing situation. It is my opinion that the administration has not been sufficiently sympathetic with the situation of the "left out" students. Thus it is that matters concerning students which do fall to the authority of the administration are handled inefficiently.

William Mock

## A Campus-to-Career Case History



Planning for growth. Joe Hunt (left) talks with Jim Robinson (center), District Construction Foreman, and O. D. Frisbie, Supervising Repair Foreman. In Joe's district alone, 600 new telephones are put into service every month.

## "I'll take a growing company"

70,000 telephones to keep in operation . . . \$20,000,000 worth of telephone company property to watch over . . . 160 people to supervise — these are some of the salient facts about Joe Hunt's present job with Southwestern Bell. He's a District Plant Superintendent at Tulsa, Oklahoma.

"It's a man-sized job," says Joe, who graduated from Oklahoma A. & M. in 1949 as an E.E. "And it's the kind of job I was looking for when I joined the telephone company.

"I wanted an engineering career that would lead to management responsibili-

ties. Moreover, I wanted that career to be in a growing company, because growth creates real opportunities to get ahead.

"But to take advantage of opportunities as they come along, you must have sound training and experience. The telephone company sees that you get plenty of both. Really useful training, and experience that gives you know-how and confidence. Then, when bigger jobs come your way, you're equipped to handle them.

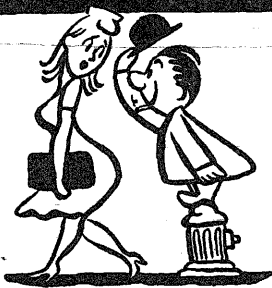
"If I had it to do all over again, I'd make the same decision about where to find a career. Now — as then — I'll take a growing company."

Joe Hunt is with Southwestern Bell Telephone Company. Interesting career opportunities exist in other Bell Telephone Companies, and in Bell Telephone Laboratories, Western Electric and Sandia Corporation. Your placement officer can give you more information about these companies.



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IT'S FOR REAL! by Chester Field



SPRING

"I beg your pardon, pretty Miss,  
But would you give me one small kiss?"  
"And why should I do such a thing?"  
"Because, my dear, today it's spring  
Because there's romance in the air  
Because you are so very fair!"  
"There's a lot in what you've said.  
Okay, kiss me . . . go ahead."

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