

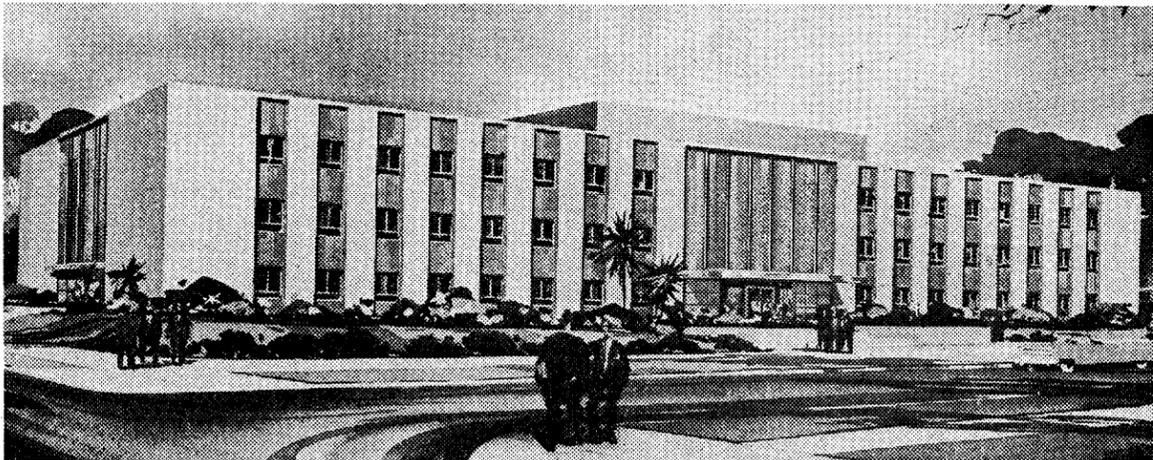
W. M. Keck Donates \$2,500,000 Lab

A \$2,500,000 gift from the W. M. Keck Foundation and the Superior Oil Company has assured a new engineering building for Caltech, it was announced Tuesday. The building will be named the W. M. Keck Engineering Laboratories.

Keck is the founder and chairman of the board of the Superior Oil Company. His Foundation's gift is the largest received so far in Caltech's building program, and is the largest ever received strictly for construction purposes.

Eight of the projected 16 new buildings have now been paid for, bringing the total amount of funds collected to \$10,000,000.

The building will house laboratories for research into engi-



Shown is an architect's drawing of the W. M. Keck Engineering Laboratories building to be constructed at Caltech as a result of a \$2,500,000 gift from the W. M. Keck Foundation.

neering materials, sanitary engineering, and hydraulics and water resources studies.

Included with the equipment to be installed will be an electron accelerator for use by the

nuclear engineering department, a 120-foot flume for research into sediment transport and facilities

for research into methods of water purification and coastal engineering.

Construction on the new lab is scheduled to begin in the late summer. It will be located on the corner of Michigan and San Pasqual and will have five stories, three above ground.

"I am pleased," said Keck, "that the W. M. Keck Foundation has joined with the Superior Oil Company to finance the cost of the new engineering laboratories at the California Institute of Technology. We consider it an excellent opportunity to become associated with the Institute and profit from the valuable research and educational contributions it is making to our society."

The California Tech

California Institute of Technology

Volume LX.

Pasadena, California, Thursday, February 26, 1959

Number 19

Tebben Elected ASCIT Veep

Silvert Slates Speech On Underground Life

"The Biography of a Revolutionary" is the subject AUFSS representative K. H. Silvert will speak on tomorrow at the Y Undergraduate Lunch Forum. He will tell the story, obtained through depth interviews and official and personal records, of the five years his Argentine research assistant spent in the anti-Peron underground. This will be Silvert's only speech

while on campus before a student group outside of classes. There will be a question-and-answer period after his talk.

In addition to the Lunch Forum, Silvert will meet with the Economics 100 class tomorrow. On Tuesday, he will meet with the History 5 and 124 classes, and on Wednesday he will speak to the Geology Club at a box lunch meeting.

Silvert is the last of four AUFSS representatives to come to campus this year. Concentrating on Latin America, and especially Chile and Argentina, he is speaking primarily on the political problems of these countries. Included among the topics he discusses are internal political relations, the problems faced by the United States in its foreign policy toward these countries and Peronism.

ASCIT Drive Raises \$2275

Final tallies on the ASCIT Charities Drive show approximately \$2275 was collected this year, according to General Chairman Tom Tisch. This exceeds last year's total by \$500 and is as high or higher than any sums collected in the last six years.

Fleming House, with a total contribution of \$950, won the competition for high contributions. House members will be awarded with a dinner served by the faculty, tentatively set for the Wednesday before finals. No entertainment has been secured.

Next with total contributions amounting to \$461, followed by Dabney, \$411; Ricketts, \$405.

(Continued on page 3)



THE ASCIT FORMAL attracted 60 Caltech couples to the Beverly Hilton Hotel last Friday evening. Jerry Gray provided the music.

Forty Techmen Sign Up For Scripps-Caltech Confab

Forty Caltech students have signed up to attend the second annual Tech-Scripps conference this week end. Places for the conference were filled minutes after the sign-up lists were posted last Thursday.

"Man at the Crossroads" will be the theme of the confab to be held at the Firestone Boy Scout Camp, under the supervi-

Fuller Theologian Speaks on Ethics

Dr. Paul K. Jewett, Professor of Systematic Theology at Fuller Theological Seminary of Pasadena, will speak on the ethics of modern Biblical Christianity next Tuesday at 7:30 in Dabney Lounge. His lecture will be attended by both Fuller and Caltech students and a question and answer period will follow.

Jewett has a Th.B. and Th.M. from Westminster Theological Seminary, and a Ph.D. from Harvard. He has also studied at the University of Zurich and Berne in Switzerland. He is the author of a book, "Emil Brunner's Concept of Revelation."

sion of 30 Scripps and Caltech faculty members.

Mike Peters is chairman of the Caltech delegation, and Dr. John Weir, Professor of Psychology, will give the kick-off address. Other speeches will be given about the general topic, and discussion groups will be held.

In addition to the speeches and discussions, a full social program has been planned, including square dancing and a marshmallow roast.

Jovin Fills Prexy Spot Unopposed

Tom Tebben defeated Frank Greenman for ASCIT Vice President by a ten percent margin last Tuesday in a student body election that was marked by several tight races.

Election Committee Chairman Doug Shakel, who released election figures only in the form of margin percentages, announced that Hugh Kieffer had edged Tom Tisch by less than two and one-half percent to win the Activities Chairman post.

Skip Stenbit became Board of Control Secretary, gathering five percent more votes than Carl Hamilton.

New Social Chairman Ken Casey's margin over Randy Schmus was eight percent.

Jovin Elected Prexy

Tom Jovin stepped unopposed into the office of ASCIT President. Under the new Bylaws, he becomes the first and only ex-officio member of the new Ex-Comm, in addition to heading the new Board of Directors.

Bill Bauer amassed a comfortable margin over Jim Wooster in the ASCIT Secretary contest.

Bill Hilchey was elected Business Manager over Howard Weisberg.

Carl Morris beat Art Rubin to become Treasurer.

(Continued on page 3)

Announcements

FRESHMAN MEETING

There will be a meeting of the freshman class on Tuesday, March 3, in 155 Arms for the purposes of discussing the class members' future at Caltech.

FREE TECHS

One-hundred-fifty extra copies of the California Tech are being printed for free distribution on campus, in Throop Hall and in front of the Greasy. On-campus subscribers can continue getting the Tech in the campus mail or

can discontinue subscriptions. Contact Neil Sheeley, Blacker.

PRE-REGISTRATION

Today and tomorrow are the last days of pre-registration for third term. Cards can be picked up at the Registrars Office in Throop.

NEWMAN CLUB

Newman Club elections will be held in 205 Dabney Monday, March 2, at 7:30. All members are urged to attend.

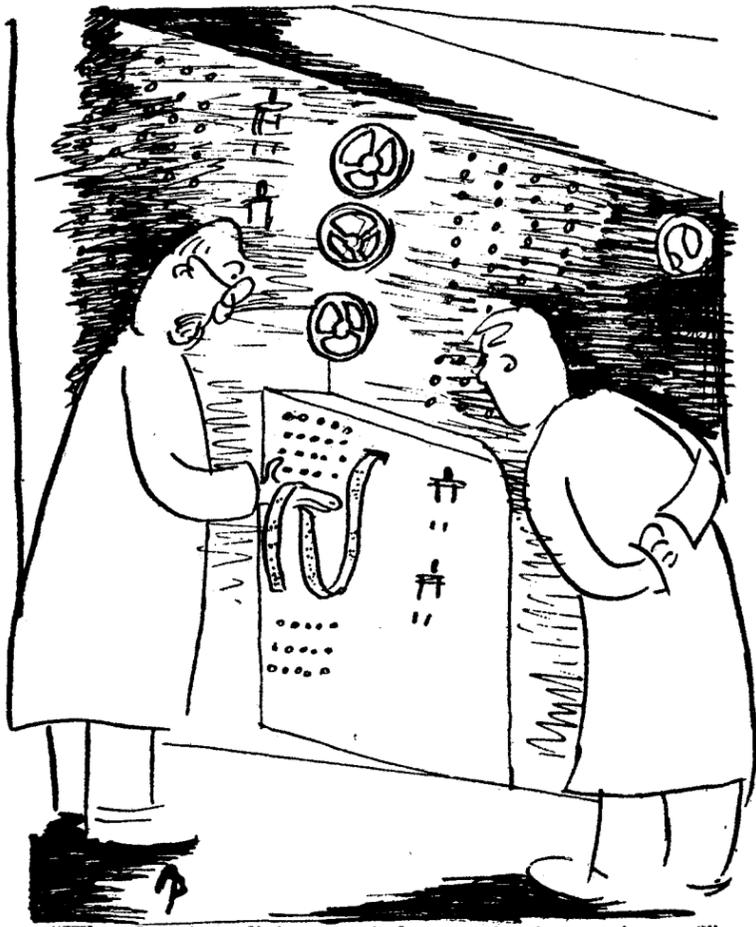
Rony, Smith Win Junior Travel Prize

Pete Rony and P. William Smith have been named this year's recipients of the Junior Travel Prize Award. Both will go to Europe.

The Junior Travel Award is given each year to two students who, "through outstanding academic achievement for the first two years, and on the basis of their essays concerning a project they would like to undertake in a foreign country, have demonstrated the ability to use such a grant to full advantage." The winners will spend three summer months abroad, following a plan of their choice. Upon their return they are expected to submit written reports and talks to the faculty and student body concerning their trip.

Rony will investigate the water conditions of various European countries, especially southern Spain, southern France, Italy, Greece and, if possible, Yugoslavia. His purpose is to answer to questions about the problems: 1) Can convenient, inexpensive water purification unit be designed to be used in rural areas? and 2) Can inexpensive tests be developed to deter-

(Continued on page 3)



"What does 'cowslip's grace is her nominative case' mean?"

Complaints Close Ash Grove; Police Invoke New Regulation

When he heard that the popular Ash Grove had been closed down by the police and its entertainment license revoked, former California Tech Feature Editor Howard Weisberg became curious about the situation. He spent the first part of the week talking to police officials, the Ash Grove's manager, phoning witnesses, and attending meetings of the Los Angeles Police Commission. So far, he has come up with the following story:

By Howard Weisberg

Los Angeles police ordered closing of the Ash Grove Concert-Cabaret last Friday night on the basis of a Police Commission ruling denying the Ash Grove an entertainment license, ostensibly on the basis of complaints of noise from nearby residents. As of yesterday it was uncertain whether it would be able to open for the weekend, or at any time.

Unique in Culture

The Ash Grove, located on Melrose Blvd., in West Los Angeles,

has been unique in presenting cultural entertainment aimed at college students and intellectuals in southern California. Some of its past performers particularly familiar to the Caltech community are blues singer Barbara Dane, who appeared at the Tech-sponsored Pasadena Jazz Concert, Project Five, a Negro-White poetry-blues group which performed at Tech under YMCA sponsorship, and Manolo Vasquez, Flamenco guitarist who appeared at the Interhouse dance last year.

The Ash Grove has also functioned as an art gallery and has sponsored dancing and folk-singing lessons. In a short time it has developed into an important cultural center in Los Angeles.

Noise, Parking

After the Ash Grove opened last July, nearby residents presented numerous complaints about it to the Los Angeles police department. These complaints concerned noise and parking problems; however they were

evidently motivated also by the feeling that the patrons of the Ash Grove added an unsavory character to the neighborhood, and also by a general antipathy toward the opening of any entertainment establishment in the area.

The complaints were then directed to the Los Angeles Board of Police Commissioners, which under a law passed only a few days before the opening of the Ash Grove had the power to grant or refuse entertainment licenses to any establishment offering formal entertainment, even though no liquor is served.

The Board, a civilian, politically appointed group, designated a hearing examiner (also non-police) to make an official recommendation.

In November a hearing was held before this examiner. People
(Continued on page 4)

Editorial

Cabbages and Kings II

The administration's views on certain aspects of education at Caltech may come to light when the deans publish their answers to the following questions in a subsequent issue of the California Tech. (See last week's editorial.)

Thirty-two percent of Caltech students do not finish their education here, and a majority of these leave because of low grades, although everyone agrees they are fully capable of mastering the curriculum. Presumably they "lose their motivation."

When the Registration Committee rules on cases such as these, it never, to our knowledge, inquires very far into the reasons behind an individual's decline in performance. Does this reflect an administration attitude that it is entirely the student's responsibility to find the motivation to survive Caltech's curriculum—and that the Registration Committee's responsibility is to weed out the slackers and undesirables?

In that case, why does the Committee almost unconditionally deny leaves of absence to students with low G.P.A.'s, when what is needed most by any such potential scientist—but very discouraged young man—is a chance to find himself and rebuild his motivation in his own way? Or do the deans subscribe to the statement that one Committee member was heard to make: "The student's responsibility is to get a degree and earn money."

In the opinion of the deans, could a professional system of psychologically oriented counseling make any progress toward rehabilitating some of the failing students? Does the administration feel any responsibility for such rehabilitation?

In our opinion, it is the responsibility of the administration at least to make a careful study into the reasons why many promising students fail in their Caltech education. Perhaps information could be uncovered that would be helpful in formulating improved educational policies, or in preparing other students more successfully for similar problems. Has the administration thought of making such a study? Do the deans consider such a project worthwhile? We await their reply.

The California Tech

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EDITORIAL BOARD: Marty Carnoy, Cleve Moler, John Todoroff, Howard Weisberg.

STAFF

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Thursday, March 12, 1959
CITY OF LOS ANGELES
Bureau of Engineering

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INTERVIEWS

FEB. 27, 1959

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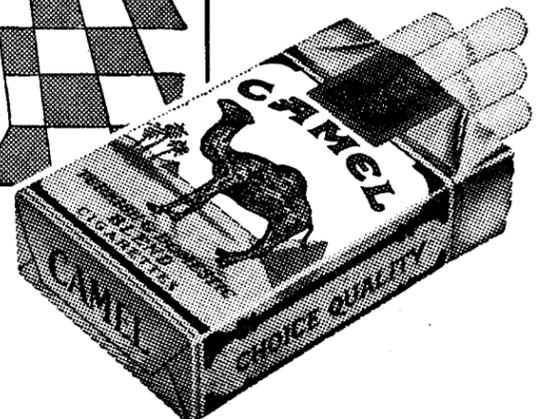


"Ten to one
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and fancy stuff...

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have a CAMEL



R. J. Reynolds Tob. Co., Winston-Salem, N.C.

Barfly

Snow Date By Wire

By Griffen

There are methods of snowing girls: trying springing Weierstrass' M-test for uniform convergence on your next date or better still, take her to dinner at the Trader's and follow it by dancing at the Moulin Rouge.

Then there are always a few who peresist in sitting in their rooms week end after week end, mooning over that girl they left behind, plowing fields in Lower Platte, South Dakota. These angry, forelorn young men must rely on their daily words of comfort emitted from a seductive pen. Pure language, not acts, must carry flowing love thousands of bleak miles; and those words must be more than acts, for temptation is always near.

But there is a way, angry, forelorn young men; there is a way to make those words realer and snow that innocent young thing. Imagination is the conqueror of all!

Rush to the nearest phone, clinking those shiny new quarters and dimes in your hot little hand. Dial Western Union—SY. 6-4321 or from a pay phone ask the operator for Western Union. Tell the voice on the other end of the wire that you

would like to send to such and such at such and such a TELE-ZOMBIE, being sure to include the recipe:

Telezombie

- 2/3 jigger rum, 90 proof
1 1/3 jiggers Gold Seal rum, 86 proof
2/3 jigger White Label rum, 86 proof
2/3 jigger pineapple juice
2/3 jigger papaya juice
juice of 1 lime
1 teaspoon powdered sugar

Shake well with ice and pour into 14-ounce glass. Decorate with pineapple and cherry and float on top Demerara Rum, 151 proof. Sprinkle lightly with powdered sugar and serve.

The next day, the delivery boy will fight his way through the prairie blizzard with his basket of goodies and mix the Tele-zombie for your innocent young love right in the comfort of her living room. Just think of the tremendous snow job performed by you, angry, forelorn young man, thousands of miles away. Just wish you were that delivery boy so you could at least cash in.

Jazz Beat

by Lloyd Kamins



The Dragonwyck — A Visit

Of all things, there is now a hard bop group blowing in dear old Pasadena, the city to which octogenarians come to see their grandparents. The group can be heard on week ends at the Dragonwyck, a coffee house hiding somewhere near here on Colorado.

The group is young and certainly not of uniformly excellent caliber, but it is quite enjoyable. At present, the instrumentation entails alto, vibes, piano, bass and drums. The altoist is the major voice and the leader in the setting of mood. As I was just passing through, the group will have to remain unnamed for the present.

The tunes played are good, typical examples being Well You Needn't, a Miles riff, and Bag's Groove, Milt Jackson's classic. The heads are creditably done, with vigor and drive. The solos, however, are far too long, for

what is present. The vibist, while energetic, is somewhat indistinct. He drives at times, but usually plays filler. The regular pianist consistently plays filler. He reminds me strongly of Red Garland — an uncalled-for dig. A guest pianist took over for a set and completely cut the regular, playing simple but funky patterns.

The altoist is interesting. Playing vigorously, with a big tone and a hard attack, he manages to swing by his very style at times. In other words, he's playing hard bop. He is, however, the only altoist that I've ever heard who is seemingly derived from Ornette Coleman! Coleman is a strange figure in jazz. With his plastic alto, he superimposes weird intervals, formless passages and squeals upon a rhythm accompaniment. His supporters claim that he is inarticulate because he is trying to say more than is usually said. The altoist

at the Dragonwyck is similarly inarticulate, with the accompanying violence, but has far more contact with the rest of the band. His style, though angular and harsh, is pleasing — in small amounts. Unfortunately, his mode of expression seems to be severely limited. Even ballads are filled with inner torment. However, being a great believer in the expression of inner torment, I like him.

The credits of the day go to the rhythm section. The drummer is superb. He forces the group out of their wanderings, and by means of a constant pulsing drive, gives meaning to what is being done. No less of an important figure is the bassist, recently of Pandora's. The sound coming out of that bass is as full and meaty as any around, excepting perhaps the sound of Paul Chambers or Leroy Vinegar. In addition to furnishing a sound basis for the soloists, the bassist comes out with interesting little phrases and well contrived solos.

The crowd was receptive—but definitely not hip. They were refreshing, in a way. Instead of the usual coffee house crowd, these people were admittedly from PCC, or what have you.

(Continued on page 4)

Cormia Takes Bow On New T.V. Series

Frank Cormia, a senior Civil Engineering major, will be the first undergrad to take part in Caltech's T. V. series when he appears on next Sunday's program.

Cormia will appear with Dr. Jack McKee of the Civil Engineering department in a discussion of "Desalting the Pacific."

The program, part of the "Next Hundred Years" series, will be aired Sunday at 4 p.m. on KRCA, Channel 4.

Elections

(Continued from page 1)

Carl Gottschall defeated Lannes Purnell for Athletic Manager.

Cleve Moler ran unopposed for Editor of The California Tech, becoming the first junior to hold that position since the team of Dick Hundley and Marty Tangora, in 1955-56.

The new officers will begin their duties at the start of third term.

ASCIT DRIVE

(Continued from page 1)

and Throop, \$50.

A rough estimate of the amounts pledged to the three participating charities shows the World Universities Service will receive \$1000 of the money, the Muscular Dystrophy Association \$800 and the Pasadena Community Chest \$500.

Travel Prize

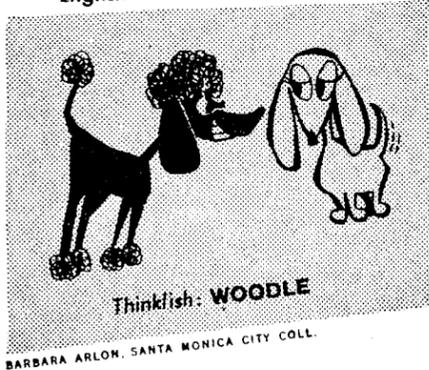
(Continued from page 1)

mine the purity of water in the field?

Smith picked as his project birdwatching in Europe. Along with persuring his project, Smith will, as suggested by the Travel Prize sponsors, use the opportunity to get to know the European way of life through close association with the people.

THINKLISH

English: CANINE CASANOVA



Thinklish: WOODLE

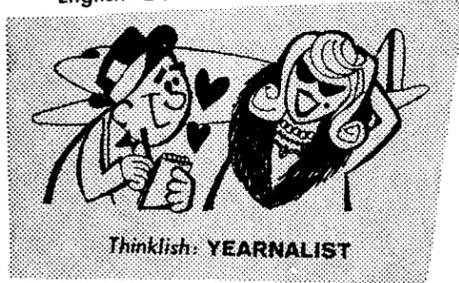
BARBARA ARLOW, SANTA MONICA CITY COLL.

English: ANGRY ALGEBRA TEACHER



Thinklish translation: This fellow reads nothing but the phone book (numbers only). The only music he likes is logarhythm—the only dessert he'll eat is pi. When it comes to smoking, he's 100% for Luckies. Enjoying the honest taste of fine tobacco, he's a fairly agreeable fellow. But the second he misplaces a decimal (or his Luckies), his ire multiplies. Label him wrathematician . . . you've got his number!

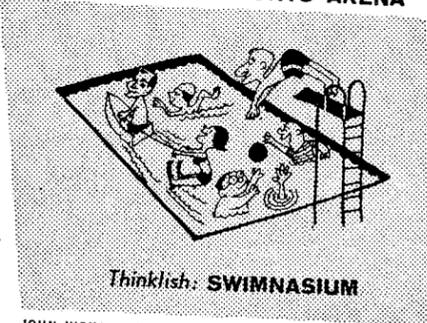
English: LOVESICK REPORTER



Thinklish: YEARNALIST

DAVID PAUL, MARYLAND

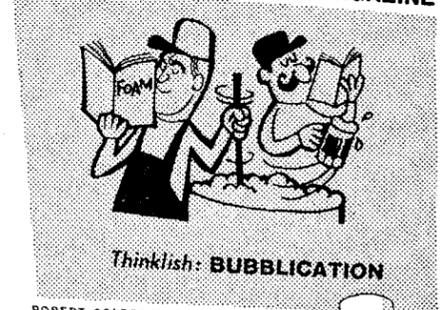
English: AQUATIC SPORTS ARENA



Thinklish: SWIMNASIUM

JOHN VISNAW, JR., U. OF DETROIT

English: BREWERY TRADE MAGAZINE



Thinklish: BUBBLICATION

ROBERT GOLDSBOROUGH, NORTHWESTERN

English: TALKATIVE ELEPHANT



Thinklish: YAKYDERM

JUDY SISSON, U. OF WASHINGTON

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Baptist Church Calls Ash Grove "Liability To The Community"

CAMPUS BREWINS

(Continued from page 1)

ple from the neighborhood testified that the noise coming from the back of the Ash Grove was objectionable, and that the patrons used up all the parking space in the neighborhood.

Reverend J. Eugene Wright of the West Hollywood Baptist Church testified that his church members had held a meeting and decided that "as a church they are interested in the wholesomeness of their community and believe that the Ash Grove is a liability and a disturber of the peace."

Another witness testified that he was afraid that the Ash Grove might eventually apply for a burlesque permit, and that he had heard vulgar language used by some of the patrons. An especially articulate witness was Mrs. Evelyn J. Berberian, whose house is directly across the alley from the Ash Grove.

Ed Pearl, Ash Grove manager, testified that additional parking had been obtained and that steps had been taken to soundproof the back end.

The hearing examiner recommended that the board should give the Ash Grove an entertainment license.

Complaints Exaggerated

He said in part, "(I) believe that some of the complainants do not like to see Melrose develop commercially . . . the complaints concerning the noise were exaggerated."

However in the meeting of the Police Commission January 14, the Police Board voted unanimously to deny the license, reversing the recommendation of the hearing examiner.

To date the Ash Grove has been closed twice, the first time in what amounted to a raid by officers during a performance.

Since the original recommendations of the hearing examiner, expensive steps have been taken to provide additional soundproofing. At the present time when the maximum amount of noise is being made inside, the disturbance is faintly audible in the alley, on roughly the same level as the noise of traffic from Melrose Blvd.

Letters of Commendation

The Ash Grove has also since this time received as evidence as to the calibre of its patrons and the high value of its presentations a large number of letters of commendation from prominent people in business, political, labor, artistic and civic fields.

With the exception of Mrs. Berberian, none of the original witnesses has made further complaint to the Ash Grove.

I talked on the phone to Mrs. Berberian. She immediately accused me of not being a legitimate student or reporter, but a spy for the Ash Grove, and refused to let me talk to her in person. Starting in a fairly calm tone of voice, she grew more and more agitated as she described to me her unsuccessful attempts to have the Ash Grove closed, her desire for "peace and quiet," her insecurity at being unable to find parking space, her sympathy for college students looking for a place to get cheap entertainment, her feeling that they should indeed have wholesome entertainment but that the Ash Grove just did not fit into the neighborhood and so on.

Evaded Question

Near the end of the conversation I tried to get a definite statement from her as to whether the noise problem still existed, or whether it had lessened. She started evading my question. She said that she happened to know that there was still singing going on in the Ash Grove (the folk singing classes) and that it was illegal.

She said that she could call the police, but that she was "not a nosy person" and that it would not fit her "personality." When I pressed my question as to what I could quote her on concerning the noise, she started saying in a menacing tone of voice, "you better not misquote me, you better not misquote me!" Then she said to her husband, "Do you have it all?" Before our conversation had ended she informed me that she had recorded the entire conversation on tape, and I had better not misquote her. (She had neglected to use a beeper on the line, a federal offense).

From talking so far with people concerned on both sides of the issue, including police investigating officers, it appears to me that there is a lot of unseen politics beneath the surface of this situation. It is not clear at all why the Police Commission voted as they did. What is clear is that Los Angeles is in danger of losing one of its few establishments dedicated to good music.

The current situation is that the Ash Grove lawyers are applying to the Superior Court for a Writ of Mandamus which would permit them to open this weekend. There would then be a new hearing before the Police Commission. Meanwhile the Ash Grove is in financial trouble as long as it remains closed. Manager Ed Pearl estimates that in its current financial situation, it can last another two weekends without opening.

People who are concerned have been urged to write letters of recommendation addressed "To whom it may concern" and sent to the Ash Grove.

At last Saturday's Phlegm-revel a curious scene was played out for the assembled troops. It seems that while A. Gelfart was in the kitchen discussing sex and like that with the date of one Wowie Wisebird, said Wisebird was practicing same with Gelfart wench on living room floor.

Riot Scene

There was quite a crowd of women around to witness the latest Scurvriot, to look at the blood, sweat, and queers. They also were treated to a few choice words from such famous speakers as Proddokken, S. Standjera, and the poor anonymouse troll who was heard to scream, "No! Not by the . . . argh!"

Froster Fumbles

Esthetically inclined Slick Froster, musical lover extraordinary, waits in line with little old ladies, happy couples, etc., for recent chamber music concert. He reaches into his wallet for his ticket, but consternation of bystanders makes him take second look; sure enough, object clutched in hand is not his ticket at all, but device intend-

ed to facilitate other type of activity. Under reproachful stare of I.o.l.'s, Froster sprints for back balcony.

Kiss and Tell

Scene: H2 class. Enter Drubnoid brown-worm O. Seeley. Quoth Seeley, gung-ho-ly: "Hey, fellers, guess how many people came to physics class this morning?" Quoth trolls, in unison: "Gee, duh, gosh, Ollie, how many?"

"Two."

"Gee, who were they?"

"Just me and the teach." Curtain descends, through rapidly rising brown mist.

Jazz Beat

(Continued from page 3)

The Dragonwyck itself is a typical coffee house, resembling a made-over furniture store, with esoteric paintings, upon which no light is allowed to fall. In actuality, the atmosphere is pleasing, and the entertainment worth while . . . on week ends. During the week, they have two of the worst guitarists.

They said it couldn't
be done...
They said nobody
could do it...
but -

L&M is
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Swim Team Wins Another

Smash Fernando State; Conference Relays Lie Ahead

Next Wednesday the Conference Swimming Relays will be held at Redlands. This meet, though not a factor in determining the conference championship, which is decided solely on the basis of the final individual meet regardless of league standings, will be important in that it will be the Beavers' first chance to compete against conference competition.

Friday Caltech's swimming team will host a strong Long Beach State team at Alumni Pool, in what should be their toughest meet to date.

Caltech's tankmen proved more than a match for San Fernando State in a one sided 63-22 meet.

Gary Tibbetts continued to be impressive in again winning both 220 and 440 yard freestyle events in good times. Bill McClennan repeated a first place in diving, with Peter Rony finishing a very close .6 point second. Roger Bland took the back stroke with Wilhelmy second for another one-two finish.

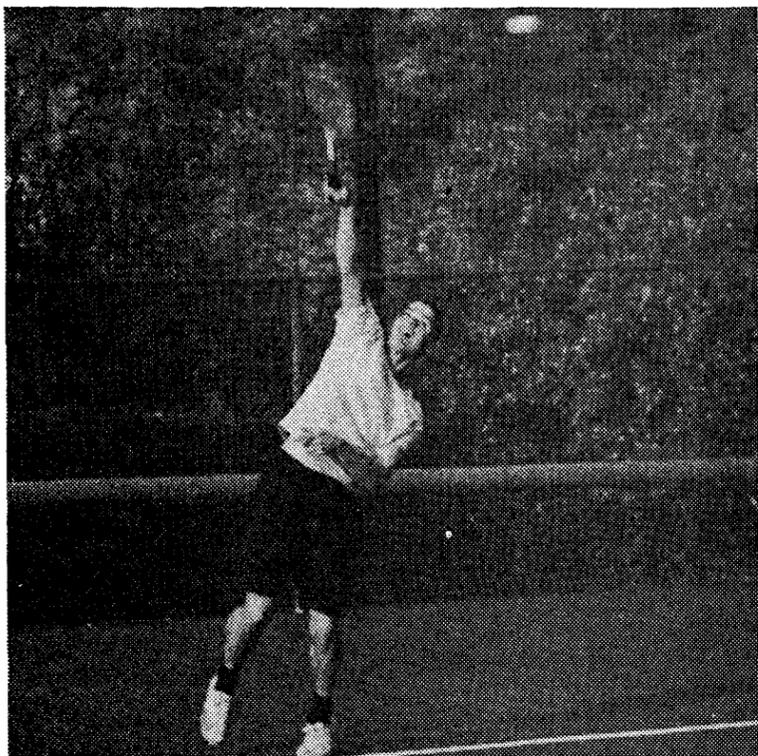
The medley relay team swam unopposed for the easiest win of a not too difficult day. Keith Brown posted a good 24.8 in winning his 50 yard freestyle specialty. Seltzer captured the breast stroke and Peter Mayer the butterfly.

The 400 yard freestyle relay proved to be the most evenly matched event, with the visitors edging our B team by a scant yard. The A team, swimming in an outside lane for practice, actually won the event quite handily but not for points.

Dave Tucker's unique start with only his head, not his body down, managed to confuse the starter, but nonetheless he finished second in both distance freestyle events.

Saturday the freshmen swimmers lost a close meet 44-41 to Pierce J. C. at the U.C.L.A. pool. The problem of lack of depth hurt the frosh, who have very good swimmers, but not lots of them.

Bill Howard in the butterfly, Turner in the back stroke, Gary Mitchell in the freestyle and Bill Hogen and Marshall Buck, both in the breast stroke, are all top-flight men, but without support, the season may not be as impressive as had been hoped.



Frank Cormia, first man on Tech's tennis squad, serves his fast one in match with Pasadena Nazarene. Frank won 6-2, 6-1, to lead the team to their first victory this year, 7½ to 1½.

Tennis Team Wins; Frosh Give Promise

Saturday the 1959 varsity tennis team travels to Pomona for the first conference match of the season. Although perhaps it's too early to tell, the Tech squad is rated as league underdog along with Whittier.

This afternoon the team will meet UCR here in a return match attempt to avenge our former loss.

The varsity tennis team beat Pasadena Nazarene's netters 7½ to 1½ last Monday on the home courts. Cormia, Morris, Butterfield, Yellin, and Zimmerman all won their singles matches. Morris and Cormia doubled for a victory as did Butterfield and Yellin, with Lohman and Zimmerman drawing with their opponents.

The frosh tennis prospects are encouraging. After downing Webb last week, the little Beavers dropped a return match here Tuesday afternoon. Since it was only a practice match, however, the boys with afternoon classes or lab were not taken from their studies—thus resulting in a weaker team. They host Pomona here Saturday.

Interhouse

Flems Regain Discobolus With Volleyball Win

Fleming's slightly favored volleyball team defeated Dabney in Monday's discobolus match after a come-from-behind third game win.

Dabney jumped off to an early lead in the first game, but Fleming rallied for a 15-10 victory. The green shirts' teamwork was evident in their second game, 15-9 win, which forced a third and deciding contest.

Trailing 10-4 at one time, then 13-8, the determined Klokemen made an exciting spirited drive to clinch a 15-13 cliff hanger.

Track

Ricketts, as expected, held on to its interhouse track lead through the last two events completed last Wednesday to edge Dabney, 41½ to 36. Blacker pulled into a close third with 33½. Fleming totaled 23 and Throop 19.

In the final events, Jewett of

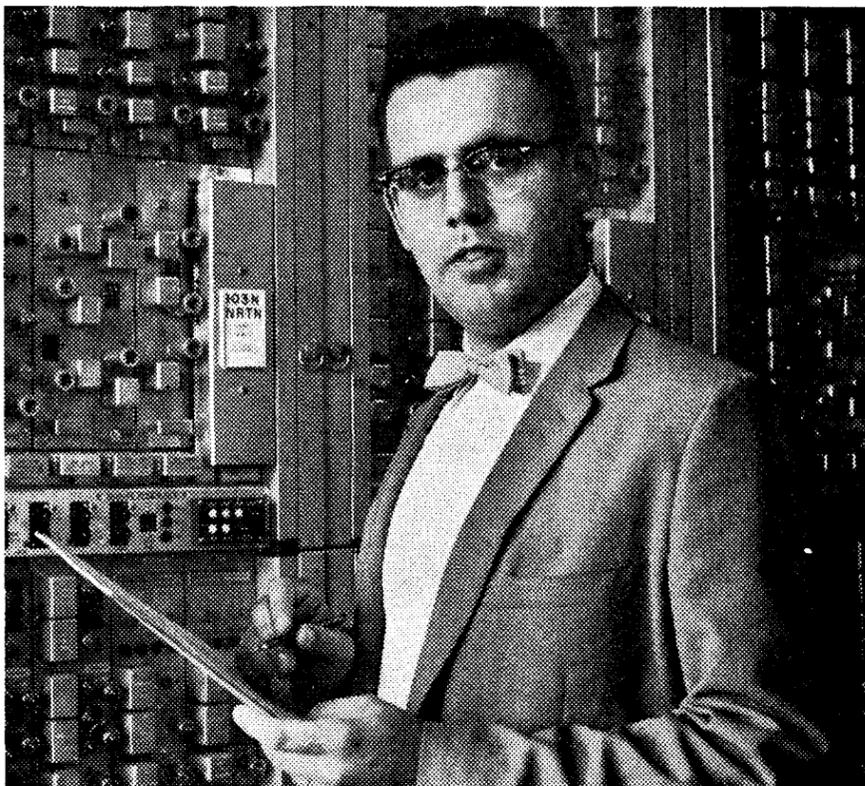
Fleming topped the high jump at 5 ft. 9 in. to defeat John Price and Fred Newman, who had previously tied at 55 5ft. 6 in. Fleming's Engelberg won the javelin with a throw of 161 ft. 6 in. with Keiffer second for Blacker and Gustafson third for Ricketts, clinching the win.

Volleyball

Highly favored Fleming opens the Interhouse volleyball season tomorrow afternoon against an expected weak Throop team. Schedule:

- Fri., Feb. 27—Fleming vs. Throop.
- Mon., Mar. 2—Dabney vs. Ricketts.
- Tues., Mar. 3—Blacker vs. Fleming.
- Wed., Mar. 4—Throop vs. Dabney.
- Thurs., Mar. 5—Ricketts vs. Blacker.

A Campus-to-Career Case History



"I wanted a job I could grow with — and I've got it"

H. James Cornelius graduated from Swarthmore College in 1954 with a B.S. in Electrical Engineering. He's been "growing" ever since with the Bell Telephone Company of Pennsylvania.

After an initial 44-week inter-departmental training course, Jim was made Facility Engineer in charge of the fast-growing Norristown-Pottstown area. In that capacity, he engineered over half a million dollars' worth of carrier systems and cable facilities between major switching centers.

Today, he is one of 50 young engineers from the Bell Telephone Companies chosen to attend a special Operating Engineers Training Program at Bell Lab-

oratories. This 19-month course of study—with full pay—deals with advanced techniques and new concepts in electronics which signal a new era in telephony. It involves both classroom theory and practical laboratory applications.

When Jim and his colleagues return to their companies, they'll review major engineering projects. This will assure the best use of equipment for current engineering, as well as for expected new developments in communications.

"I wanted a job I could grow with," says Jim, "and I've got it. I can't think of a better place than the telephone company for an engineering graduate to find a promising future."

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Wednesday, March 11, 1959
CITY OF LOS ANGELES
Department of Water & Power

Sports

As I See It

by Russ Pitzer

Alchemists Win League Championship

Despite the mediocre record of the Beaver varsity this year, Caltech still boasts a championship basketball quintet this year.

The Alchemists, composed of sundry people associated with Caltech, took the Pasadena City League title for the second consecutive season. Sponsor for the squad is Dr. Herschel Mitchell of Biology.

Last champion, the Alchemists breezed through the regular season and the play-offs with an unblemished slate and are still undefeated thus far this year with the play-offs set for this week.

Last Thursday, Lea's Laundry dropped a 2-point heart-breaker to the loop champs in the final seconds with Dr. Fred Anson of Chemistry clicking for 30 points.

Anson, an All-Conference selection in 1954 and sparkplug of the last Caltech conference championship squad, is top point maker on the squad. Other players are Glen Converse ('58), Roland Moody ('56), Jim Tyler ('55), all former Beaver varsity men, Fred Newman (?), an All-Conference pick last season, grad students Anderson, Plotzman and Bush, and Beaver varsity mentor Gene Rock.

The league is composed of former college players from the area sponsored by local businesses or individuals.

The Alchemists, who got as far as the quarter finals of a Los Angeles tourney last campaign, will probably meet Lea's again in the play-off finals. Lea's, second-place finisher in the league, is composed of former UCLA, Cal and Notre Dame players.

In a varsity scrimmage, the Alchemists were on the short end of the score until the latter squad became winded.

Prof. Mitchell is sponsoring a volleyball entry from Caltech in a similar league for all interested players.

Electronic Failure Prolongs Agony

Beaver players, who thought that the recent 75-39 debacle with Whittier would never end, had a good reason for feeling so. The erratic scoreboard clock, unreliable all season, stretched the normal 20-minute last half into about a 30-minute half.

Senior Manager Dick Montgomery thought the clock had been slightly off through the entire season and informally checked the scoreboard with another clock during the final period of the Whittier game and found the discrepancy.

Athletic Director Musselman, upon hearing news of a techni-

cal failure at Caltech, rushed to check the scoreboard against a watch. The first two 20-minute periods he ran off were perfect. The third was slightly off and the final one was never officially recorded. Montgomery quoted Musselman as commenting, "I was tired of waiting for the clock to stop and went home." Now Gene Rock and his cagers can rationalize about time and its petty pace.

Tech Hosts Regional NAA Tilt

Westmont College will meet the SCIAC runner-up Saturday at 8 p.m. in the Caltech gym to determine the fourth berth in next week's NAA regional at Fullerton J.C.

With Oxy and Redlands expected to finish in a second-place tie barring an upset by one or the other over unbeaten Whittier this week, a coin toss has decided that Oxy will represent the conference in the play-off game. Westmont defeated the Tigers 88-75 in the first game of the season at Westmont and so should be favored. Whittier topped Westmont 78-58.

Saturday's winner will advance to join Whittier, Pasadena College, and Humboldt State in the first regional round.

Poets, Tigers Topple Cagers

The Beaver cagers closed out their 1958-59 season at Whittier last Saturday, losing 93 to 38 to the red-hot Poets, bound for the SCIAC conference crown.

The loss, coupled with a 79-62 defeat at Oxy on Wednesday, gave the Tech varsity a 1-win, 7-loss conference record and a 2-16 season total. The victories came over Claremont-Harvey Mudd and Pomona's Sagehens. The latter win was the first in conference competition in the last five years.

Captain John Stene dropped in eight field goals and a total of 20 points against Oxy and 8 in the Whittier game to bring his team-high average to 13.9 against conference opponents. Sophomore guard Bill Ripka continued to give promise of outstanding ball, hitting for 11 against Oxy and he was high scorer in the Poet game with 14.

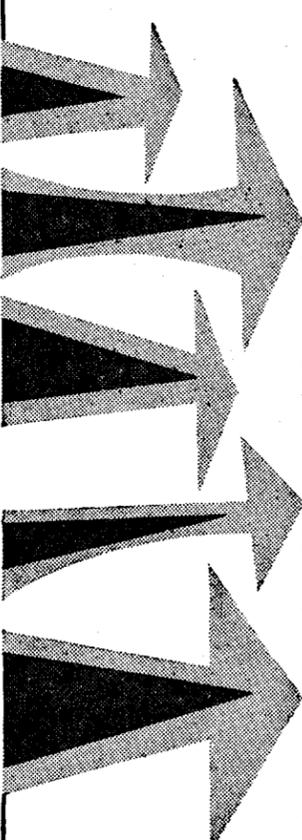
STANDINGS	
Interhouse Trophy	
Dabney	110
Ricketts	85
Fleming	67½
Blacker	62½
Throop	45

Beaver Sailors To Race Sat. In Southern Series

The first regatta of the spring racing season will be held Sunday afternoon at Newport Harbor Yacht Club. The regatta, sponsored by Orange Coast College, is the second Southern Series competition of the school year.

Entered in Sunday's event are Cal Poly, Harbor JC, Occidental, Claremont, Orange Coast, Cal at Santa Barbara and Caltech.

Occidental, defending champions, took the first series competition last November with the Beaver sailors finishing fourth in a six-team field.



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