

Your BOD Asks: What Is The ESC And Why Is It?

by Philip Massey

Tomorrow is election for class officers, Director of Student Life, and Social Chairman. Although the D.S.L. has the dubious privilege of being a member of the Board of Directors, the Social Chairman gets a salary of \$300 a year (which is the combined salary of all three *California Tech* editors), and jointly they are responsible for the spending of funds by the Executive Social Committee (ESC).

It's Like This

Last Monday's BOD meeting proved that no one had any idea of how (or when) the ESC is run, and by whom. For anyone who cares, the true story follows thusly: the last thing the old BOD did before they packed up their toys and went home, was to pass a resolution (VII, if you care, and Let $X=X+1$ for the old 7 on up), that created the ESC for real. The ESC is composed of representatives from each house's social team; the Director of Student Life is its chairman; and the Social Chairman is its secretary. (He's the one with the \$300.) The ESC is in charge of all social programs of ASCIT, and is to provide financial assistance to the houses as they see fit. For some reason that escapes me at the moment, the BOD has budgeted "Social Programs" and "ESC" separately, despite the fact that the ESC handles the funds for all ASCIT social events. Furthermore, the Director of Student Life, and the Social Chairman, are alone jointly responsible for this fund(s). Since ASCIT has had no social chairman (hopefully it will, after tomorrow), the Director of Student Life has been in charge of both budgets. It is somewhat

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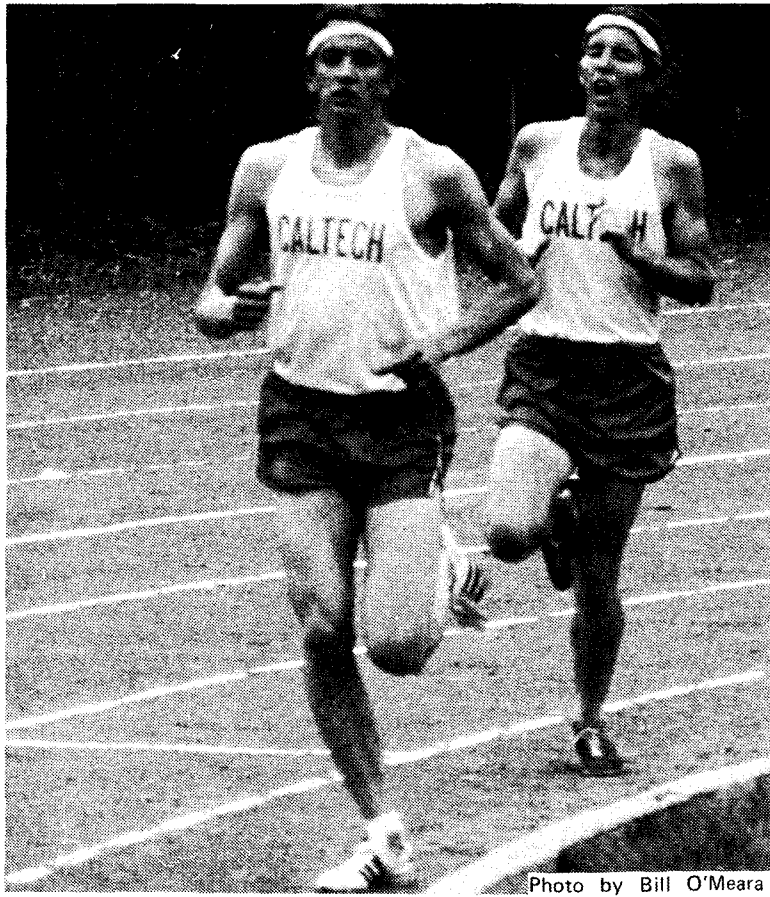


Photo by Bill O'Meara

Waterfalls Are Forever

Throop Site Decision Imminent

by Bob Coleman

After almost a year of off and on discussion and deliberation by students, faculty, administrators, and Board of Trustee members about what to do with the big dirt hole sitting in the middle of campus where Throop once sat, it now seems likely that a final decision will soon be made.

The battle over the site has been an intricate and a hard fought one... It all started, it seems, with an earthquake long ago. Throop's mighty pillars could hold out no longer; it became clear that good ol' (cracked) Throop would have to go, before another quake knocked it over onto somebody's head. Not only would that have been a terrible mess for B&G to clean up, but classes might have been cancelled for a few days,

giving students a chance to catch up in their work... No way. Throop clearly had to go.

A committee was formed of faculty, administrators, architects, and student, to discuss what to do with the site. A permanent mudeo site was suggested. The guy who suggested it was ponded. In the mudeo pit. After much discussion, the committee did recommend that a natural setting, with grass and trees, be provided for the enjoyment of all. A plan was drawn up by the architects: concrete steps. The battle lines were drawn.

Up the Ladder

The concrete step plan apparently made it quite far up the ladder—all the way to being approved for construction—before some student happened to

ASCIT Corporation to Meet Next Thursday

Research Project, Grading, Student Body Size Are Tentative Discussion Topics

by Phil Neches

ASCIT President Mark Johnson announced that there will be an open meeting of the corporation a week from today at 4 p.m. on Winnett-Firestone Plaza. According to Johnson, the purpose of the meeting will be, "to bring a lot of the issues which have come up in the last term to students to get their opinion."

During the coming week, an adhoc committee will work out the agenda for the meeting. The committee will have representatives from the Houses, the Co-ops, and the BOD, and will consist of about ten people,

Johnson said.

Present and Voting

Johnson said that he would open the meeting with a short explanation of the reasons for and background of a corporate meeting. This would be followed by presentations of the various issues, probably by members of the ad hoc committee which will set up the agenda. An open discussion will follow the presentations, with a wandering microphone and an opportunity to raise further questions.

All ASCIT members present at the meeting would be able to vote on any issues presented. Johnson said that the ad hoc agenda committee would try to present issues in the form of resolutions to be voted on at the meeting.

Issues and Answers

While the committee will pick the actual agenda items, Johnson indicated that grading systems, the size of the student body, the possibility of starting another student research project, and the parents' computer-time fund might be possible topics for the meeting. Also, the possibility of getting ASCIT into some revenue-producing ventures (such as vending machines) may be brought up.

Questioned as to the usefulness of a corporation meeting at Tuesday's BOD session, Johnson replied that in his opinion a group of 200 students agreeing on something at a meeting "would carry more weight with the administration" than 500 students filling out polls. The argument did not appear to persuade all of the BOD members present; however, a motion to hold the corporation meeting passed with no dissenting votes and two abstentions.

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News Briefs

EPC Reinststitutes TQF Project

The Educational Policies Committee (EPC) has begun work on its Teacher Quality Feedback Project. The purposes for this project are that it will provide candid information about courses to help students select courses, and it will provide a feedback mechanism to faculty to (hopefully) cause improvements. Questionnaires on all the courses you took (or were taken by) this year will be out today or tomorrow, and in order to make the data reliable and representative, a large number of responses are needed. There is ample space provided for your comments in addition to your responses to standard questions, and the forms must be returned by May 18 in campus mail. The EPC wants to do this project term by term next year, while the pain is still fresh in everyone's

mind, and a heavy response this time is necessary for this to be feasible. If you have any questions contact Dennis Loh (x2407). This is your big chance to bitch about crummy courses, and to applaud the good ones.

Fibonacci Club

A Financial meeting of all groups of the Fibonacci Club will be held this Saturday at 1:00 p.m. in Club Room 1. This is a most important meeting. Members only--

Last Meeting Of Math Club

The Math Club will hold its final meeting of the year tonight, May 3, in the Math Lounge, on the third floor of Sloan. At 8:00 p.m., the distinguished Dutch mathematician, Professor N. G.

deBruinjn, will speak on "Mathematical Languages". Before his talk, at 7:30 p.m., there will be an election to choose officers for next year. The customary Math Club refreshments will be served afterwards. Everyone is invited especially freshmen and sophomores.

Fourth!

Sometime during the week of May 7-12 there will be an interhouse bridge tournament. A trophy will be given to the first place team of four players. The competition is entirely open in that more than one team from a house may participate and team members may be from different houses. Each team must be playing for one house, however.

Those interested should con-

Continued on Page Two

see the plan, and act. Petitions were circulated, and in one of the closest-to-unanimous moves in the history of the school, over 700 signatures were collected against putting 60-foot wide concrete steps in the center of campus.

An alternate plan was quickly drawn by the architects. The Throop Site committee was reconvened, with greater student representation, 6 days before the Building and Grounds committee of the Board of Trustees was to meet to recommend either the steps or the natural setting to the Board. Overwhelmingly, the undergraduate students on the committee wanted the natural setting; the grad students and faculty were perhaps not as overwhelmed. Still, some of the students felt that the grassy field surrounded by trees and ground cover made the site look a bit like a helicopter landing pad, and

SENIOR CLASS PRESIDENT
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SENIOR CLASS VEEP
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Peter Beckman

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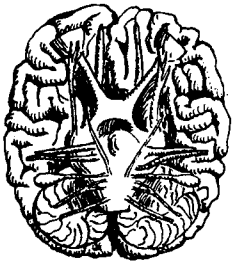
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Richard Atwater
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SOPHOMORE CLASS SEC-
RETARY AND TREASURER
No candidates.

DIRECTOR OF STUDENT LIFE
Mark Boals
Bob Rutherford

SOCIAL CHAIRMAN
Team of Don Driscoll and
Phil Enright



from the cerebrum

by Phil Neches

Every so often, the press gets hold of a story too bad to be true, replete with duplicity in high places, government-rocking scandal, and the potential for weeks of salacious headlines. When such a story comes along, reporters and editors dig in and hang on for dear life. Whether they desire edition-selling banner headlines or to do a public service, the Fourth Estate sallies forth to give battle with picturesque (and sometimes reckless) abandon.

Such a case is the so-called Watergate Caper. Smelling something rotten in the state of the Union, the press continuously hounded the Administration about Watergate, seizing on each minuscule morsel of information for the next day's revelations. At times it looked almost silly. Throughout, the reporting had a aura of viciousness, a manner of insinuating far blacker things than had actually been uncovered.

That pressure, combined with the dedication to justice of Judge Sirica whose notions of culpability were not assuaged by so many tight-lipped guilty pleas, brought about the first small cracks in the so-far monolithic denials of all involved in the bugging, the campaign, and the administration. Each small crack in turn came under shamelessly intense scrutiny, widening the gaps, and exposing ever more.

Some time between March 21 and April 30, President Nixon became convinced that the game was afoot. As he indicated in his speech on television this last Monday, crimes of the greatest magnitude had occurred and the office of the presidency had been besmirched by the sickening circles of implication.

One must grant that Nixon had little choice to let those implicated in the matter go. Should events prove them guilty, then government service has no place for them or their likes. Even if events prove them totally innocent, they are already princi-

pals in investigations for charges of serious misdeeds, and this alone renders them, at least for the moment, useless as public servants.

One can only speculate about Nixon's reactions to the Watergate revelations. Shock? Anger at the stupidity of his subordinates? Dismay? At all odds, a changed, subdued Nixon faced the onerous task of confronting his constituency with his disappointment in some of his closest associates and long-time friends.

The President's speech by no means marks the end of the Watergate Affair. Rather, it marks a transition in arena, from the front pages to the more solemn and dignified halls of justice. Investigations by Congress and the federal Grand Jury will undoubtedly continue to bring more details of this sordid chapter of America's history to light.

Some will criticize the President for not making a complete disclosure of all the facts about the case in his possession on Monday. However, the President is enough of a lawyer to refrain from making prejudicial statements about likely litigation. Certainly his appointment of Elliot Richardson as Attorney General, with full powers to investigate and prosecute the Watergate affair (including appointment of a special prosecutor) must be an encouraging sign.

The President handsomely acknowledged the role a free press played in bringing Watergate to light. But now, the time for racking muck has ended, and the time for cooperation with the rules of judicial fairplay has commenced. In many reports on Watergate, as on other matters, the casual reader often cannot discern the point at which information from a source ends and a reporter's opinions commence. This constitutes poor journalism, and continuance of such practices will reflect poorly on the press just as persistence in

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Dr. Oliver Discusses Problems Of A Political Campaign

by Etaoin Schroedlu

Recently Caltech associate professor of economics Robert Oliver waged an unsuccessful campaign for the Pasadena Board of City Directors, Pasadena's equivalent of a city council. Dr. Oliver, who sat on the Board of City Directors from 1965 to 1969, was defeated by the incumbent mayor, Donald Yokaitis, by a margin of some 4,000 votes in the citywide runoff April 17. *The California Tech* solicited Dr. Oliver's views concerning the recent election, and political campaigning in general.

"It is very, very difficult to get a campaign organized. We weren't as well organized as we might have been, I think, and less well organized than we were when I won in 1965," said Oliver. "One of the major problems was that I was away for two weeks right after the primary, when we needed to start working on the citywide campaign." Oliver is a member of the Freshman Admissions Committee at Caltech, and spent those two weeks on the East Coast interviewing prospective frosh. "I should have asked for a change of territory so that I could have been home nights," he said.

Will of the People

Getting the message of a campaign across to the voters was a big problem. "We started with a 25-point piece on Yokaitis' record. It sounded so bad that people apparently thought it was a complete fabrication. It was also too complicated; we kept getting word from our precinct workers that our material on Yokaitis' record was too complicated, until we had edited it down to one page, and then nothing was left but assertions; all the documentation had been taken out."

Voters apparently don't have much inclination to follow the details of campaigns closely. "Apparently the best way to go is to pick x number of issues,

Continued on Page Three "Frankly Speaking"

...But Who Won?

Tech's Frosh War Ends

by Marc Donner

The final engagement in the Institute's everlasting war on unsuspecting, innocent, dumb frosh came this last weekend with "Freshman Orientation part II" in which a further effort was made to increase the confusion, discombobulation and all around ignorance of our heroes. With option choices required by the Registrar in a few days the need for serious thought became apparent.

So it was that various and sundry random faculty, upperclassmen, and frosh stood around for three or four hours alternately chewing the bull and the

News Briefs

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tact John Horn (O/C Blacker), giving him the names of possible participants and any preference they may have for the time of the contest, by Friday, May 4.

Absentee Ballots Due at Midnight

Absentee ballots for tomorrow's special and class elections may be obtained from elections chairman Gavin Claypool (30 Ricketts).

Ballots must be filed before midnight.

Last Student Shop Check in Meeting This Term

Saturday May 6 at 1:00 p.m. will be the last time you can join the student shop this year. Dues are \$3 and there is a \$5 deposit. During the meeting you will be taught how to use the equipment and be familiarized with the shop regulations.

Hiking Anyone?

Members of CEAC will be hiking either up Millard Canyon to the Dawn Mines or up Echo Peak to the old hotel ruins there. All of you interested in going please congregate at the recycling center (in parking lot behind Steele) this Sunday, May 6, at 9:30 a.m. Bring a lunch and hiking boots.

by Phil Frank



'ROGER, I THINK YOU'RE THE ONLY BOY I'VE BROUGHT HOME THAT DADDY WILL LIKE!'

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Stottlemeyers box lunches. Andy Ingersoll held a large group in thrall underneath a sign proclaiming "planetary science" for all to read while Ricardo Gomez, Rochus Vogt, and Kip Thorne alternately held forth in the domain of Physics. Ray Owen, representing the ever increasing biology option, was there and he seems to have snared quite a number of future slime mold freaks. The charged domains of EE were strongly defended by Hardy Martel while Floyd Humphrey discoursed on the virtues of Applied Physics. Jim Morgan, wearing his Environmental Engineering hat, amply represented his option while puffing on an often unlighted cigar.

Unfortunately this writer came away from Orientation II with no more understanding or conviction than he went in with. Most certainly this is also the experience of many of the other frosh. The decision on an option certainly lies mainly on the frosh, but the seriousness of the decision has been underplayed resulting in numbers of undecided people having to give it their serious attention late. A last minute Orientation doesn't seem to be the answer, though it certainly helps a lot.

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THE ASCIT FRIDAY NIGHT MOVIE

GETTING STRAIGHT

This Friday in Baxter Lecture Hall at 7:30 and 9:30 p.m.

Admission: 50¢—ASCIT members and their guests; \$1.00—anyone else

NEXT WEEK:

PLAY MISTY FOR ME

A Spring Jubilee

Frodsham Marks 20 Years

by Chris Harcourt

This year the Caltech Glee Club is offering *A Spring Jubilee* for its home concert, which will be held in Beckman Auditorium on May 11 and 12 at 8:00 p.m. The keynotes of the concert are growth and movement.

Growth is certainly one of the dominant factors in the group. 1973 marks the twentieth year for the club with Olaf Frodsham as director. Under his tutelage, it has grown from a motley group of students to one of the top collegiate glee clubs in the country. This growth has also resulted in the creation of additional groups, which will also perform at Home Concert. They are the Madrigal Singers, the Varsity Quartet, and—since Caltech is now coed—the Women's Glee Club and the mixed Chamber Choir.

Movement too is an essential facet of the club. A high

dynamic level is needed to maintain the club's excellence. The club also moves physically. In the past, it has toured Hawaii, New York, the Pacific Coast, and the Southwest. Last summer, the glee club toured Eastern Europe, spending most of its time in Yugoslavia. With this in mind, Home Concert will feature a "Tour of Yugoslavia in Sight and Sound." This will include Yugoslavian folk songs, slides from the tour, and narration by Shirley Marneus.

With additional features such as Rube Moulton (BS '57) as guest soloist for Creston's *Celestial Vision*, it promises to be an outstanding concert. Tickets are available from members of the glee club or the Beckman Ticket Office. Get them soon, for there's only nine days left. General admission is \$2.00, students are \$1.00, and ASCIT members are free.

Waterfalls

Continued from Page One

whispers of "waterfall!" and "pools of water!" soon were in the air.

Down the Rapids

With six days to go, a group of students, with the wonderful (unofficial) aid of Hema Weisblat, the Blacker RA's wife, drew up plans, made an attempt at cost analysis, circulated polls showing the three different plans, and the night before the meeting (all night) made a model of the cascading rapids and pools of water they proposed, out of clay.

The response on the polls was again overwhelming: in 52 hours over the weekend, 517 signatures were collected, with 88.2% for the waterfall plan, 11% for the grass and trees plan, and 0.8% for the concrete steps. Because of this support, the Board of Trustees decided to postpone any decision until the architects could draw up official plans of a water system, and could do an official cost analysis.

Now, two months later, the plans are in, and the time is near: on April 19, the Throop Site development committee met a third time, and in general,

Y Sponsors Behavioral Impact Study

The impact of behavioral engineering on society and ethical values will be explored at a conference Saturday, May 5 at Caltech. The program, extending from 9 a.m. to 5 p.m., will be one in a series sponsored by Caltech and the Caltech Y on the impact of science on society. The series began last year with a successful conference on the implications of genetic engineering.

Behavioral engineering espouses the view that man's behavior is conditioned almost entirely by his external environment—and that his actions can be manipulated by a system of rewards for "appropriate" behavior. The appropriateness of behavior can be judged mainly on its value to society.

Dr. Leroy E. Hood, Assistant professor of biology and faculty coordinator for the conference,

said, "Behavioral engineering is becoming increasingly influential and is being applied in public and private schools, industry, mental institutions, and community health centers. Its supporters are convinced that behavioral engineering can help school children to learn more effectively, employees to become more productive, mental patients to develop self-sufficiency, and juvenile delinquents to become a constructive part of society.

"But the opponents of behaviorism—the humanists—point out that its applications raise questions about who is to control behavior, and who is to be controlled. Behavioral engineering has enormous potential for changing the fabric of society—for good or bad. We want to consider what limits, if any, should be placed on it and the society it is helping to shape."

The morning program will feature three leading scholars on various aspects of behaviorism and humanism: Dr. John Whiteley, associate professor of social ecology at the University of

California, Irvine, on behavioral engineering; Dr. Carl Thoresen, associate professor of education and director of Stanford's Institute for Behavioral Counseling, on behaviorism; and Dr. Floyd Matson, professor of American Studies at the University of Hawaii, on humanism.

After lunch these three experts will field relevant questions from the audience. Later in the afternoon the conference will split into small discussion groups, each with knowledgeable resource people, to consider the social, political, and philosophical implications of behavioral engineering on modern society and on individuals.

"We hope to have persons representing many areas of society—lawyers, doctors, ministers, business executives, and individuals from the community at large—as participants, as well as Caltech students and faculty," Hood said.

Interested persons can make reservations through the Caltech Y. A five-dollar fee includes lunch.

seemed to express its support for the architects' water system plan. On Monday, May 7, the Building and Grounds committee will again convene for a final decision on Throop Site. Those wishing to see all three proposed plans may visit Mr. Westphal, the campus architect. And on May 7, it might help if 88.2% of you would think nice, watery thoughts towards the Milliken Board room, where the Board meeting is to be held. It is hoped that the Board will still remember the enthusiasm of those who will be using the site, and respond accordingly.

Oliver

Continued from Page Two

where x is three, say, state them as simply as they can be stated, and repeat them over and over again in the same words," said Oliver. "There was evidence that the voters were confused, that they did not know what we were trying to say."

In order to run even such a small campaign as this one, massive manpower is needed. Many different people and groups get into the act. "We had the active support of virtually all of the city employees, for instance, and most of the Commissions were feeling somewhat anti-Yokaitis, except the Redevelopment Agency." It is not easy to keep all of these people in harness.

Nor does a candidate have complete control over his campaign. "The candidate has an obligation not only to himself but to those who are working for him, to run as good a campaign as he can, and he must defer to some extent to those who are helping him run." It's not so easy to keep all the decisions, tactical or moral, to oneself when others also have a stake in the outcome of the campaign.

One situation to arise from the campaign was increased dissatisfaction with the Pasadena *Star-News* on the part of Oliver and many of his supporters, who charge the *Star-News* with biased reporting of the campaign and improper 'electioneering' on behalf of Yokaitis. A group of Pasadenans are currently investigating the possibilities of establishing alternative news media to the *Star-News* in Pasadena.

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Admission: 50¢ ASCIT, GSC, Hillel Members \$1 others

Tickets available in advance from Marv Mandelbaum in Winnett

Literary Magazine Seeks Non-Student Subscriptions

from the **CALIFORNIA TECH**

March 2, 1967 and April 12, 1973

Totem, the Caltech community's contribution to the cultural world, is in the midst of its sexennial subscription drive. Yes, a mere two dollars will bring to your very doorstep the literary and artistic creations of many talents—at 1967 prices, to boot. ["I'm sure I got six issues last time." "Oh, shut up."]

Copies of the current issue (*A Winter's Totem*) are still available for sixty cents each. *Totem* is an official publication of ASCIT and is given free to each member.

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Frosh Won't Flood Houses Next Year

by David R. Smith
Master of Student Houses

[Ed. Note: Two weeks ago, *The California Tech* announced a new feature in which Caltech Administrators and faculty are invited to submit to the *Tech* their opinions on matters of significance to the Caltech student body. This week we present Dr. D. R. Smith, Master of Student Houses, expressing his opinions on several questions concerning undergraduate housing at Caltech.]

What is the optimum size of the undergraduate student body, in your opinion, and how do you feel that Caltech should make a decision on this size?

"I am not sure that I know what the optimum size of the student body is. That number will be arrived at organically rather than theoretically; but there are considerations which will help determine it. The principal one probably ought to turn on the question of what one might call the economy of intellectual facility use. I suspect that Caltech has more to offer to more students than is being used. There are areas of study, members of the faculty which and who could be more fully employed as resources. Institutions such as Caltech owe a considerable and various debt to the society which permits and supports them. One way to repay that debt is to use these facilities to train as many people as we can while still maintaining the standards we have set. Those standards can be maintained even

with some increase."

What do you feel is the optimum number of students to be housed in the undergraduate houses, and how should this number be arrived at?

"There are two optimum numbers—one is 540, the other about 565. The first is based upon using all singles as singles and doubles as doubles in the Old Houses, and using all doubles as doubles in the New Houses except for some 25-30 rooms which would be set aside as singles for seniors or house officers. The second number is based upon using all the doubles in the New Houses as doubles, perhaps withholding one double in each house for the president. Basically the number is arrived at by not permitting overcrowding, which I am very much opposed to."

In the event that a greater than optimal number of students desire housing in the Houses, how do you feel that selection should be made?

"In case we have more than an optimal number of students applying, I feel that selection should be made as we have been making it. That is, first choice goes to third-term residents who wish to remain in the student houses. I think that they should be able to get their rooms back, that they should be able to maintain their house residency. Second priority should go to incoming freshmen. This is, of course, where the pinch occurs. We don't yet know what the exact numbers will be, but I

expect that we shall have a freshman class of about 220, of whom we will be able to house about 150 or maybe 160. Those who don't make it will be chosen by lot from amongst those who have applied on time. We shall try to provide temporary housing for some of the 60 or 70 so that we can get them into the houses as vacancies occur. The others will be sent to the Off-campus Housing Office, which group, under Mr. Kermit Jacobsen's direction, will have spent much of the summer locating rooms and apartments in proximity to the Institute. All off-campus freshmen found places last year and presumably will this coming fall.

"You might be interested in what happens to off-campus freshmen, academically and socially, judged both by what they feel and by an external standard. As far as we can tell from the records (a determination made difficult by the pass-fail system), off-campus freshmen do as well academically, if not somewhat better, than on-campus freshmen. On the basis of a poll we took, it would seem that the off-campus freshmen felt quite strongly (about 2 to 1) that they did not suffer either academically or socially by being off. They felt overwhelmingly (about 10 to 1) that freshmen should not be given priority over upper-classmen. Their comments were also interesting. Several felt that an off-campus freshman would in all likelihood move on-campus as soon as he could whereas they felt that an upperclassman who had been moved off-campus would not move back on as the year progressed. Another felt very strongly that he had an advantage by being off-campus,

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the underground ear

Elton John *Very Alive*

This bootleg seems to come from the same concert broadcast as the legitimate album, "11-17-70." The primary difference seems to be the selection of the songs. In this, the bootleg may excel, since it includes the live versions of "My Father's Gun" and "Indian Sunset" (brand new at the time). Also included are "Far Side of the Moon," "Can I Put You On," "Honky Tonk Woman," "Burn Down the Mission," "My Baby Left Me," and "Get Back." The music ranges from Beatles and Stones to slow laments, and spotlights the best of what Elton John was doing at the time. Recording quality: good for a live album. Historical Value: some, especially the talking between songs. Packaging:

mediocre, no photo or cover art. Musical quality: very good. Overall grade: B+.

Paul Simon *The Paul Simon Solo Album*

This has nothing whatsoever to do with the solo album released by Columbia a year or so ago. This one is made up of tapes recorded while Paul Simon was working on a British solo album, never released in this country. It is made up mostly of old songs ("Sounds of Silence," "I am a Rock," "A Simple Desultory Philippic," "Kathy's Song," etc.) in new versions. In addition, there are two songs never released in this country, "A Church is Burning" (A Portrait of Paul Simon as a

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Erick Hawkins Dance Company



Student rush tickets available for only

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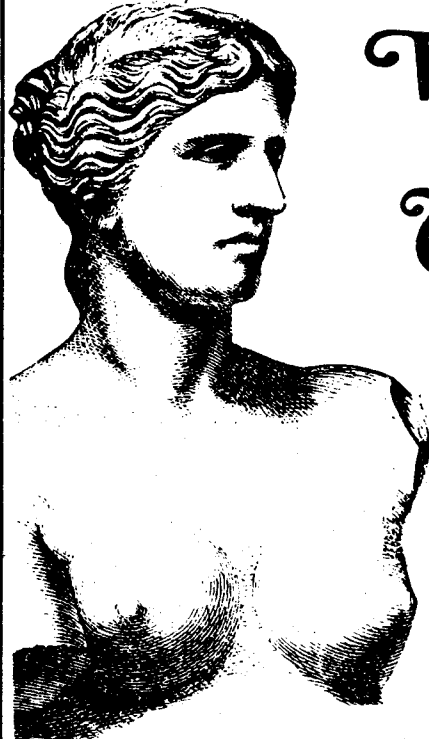
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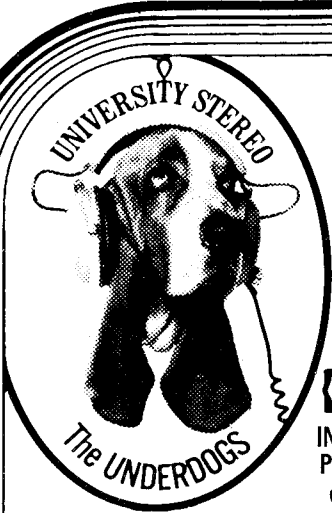
Continuing its presentation of live jazz on Monday nights, the Ice House featured the jazz quintet West this past Monday. The group has played at several colleges in the area, including Caltech, and its musical talent is certainly in keeping with the Ice House's fine standards of musical entertainment. The members of the group have been playing together for about a year, and their sound is starting to reach the relaxed cohesiveness which is the mark of a top-notch musical group.

After a somewhat shaky opening on a chordally not-too-straight-forward tune by Clare Fischer, the quintet settled down on a jazz waltz entitled "Waltz of the Moon Men" which was written by the pianist, Don Simons. Simons, a grad student in Applied Mechanics at Caltech, is (not so surprisingly) much

more loose and at home on his Fender/Rhodes piano on the tunes which he has written himself. The head of the chart featured a somewhat unusual and very pleasing blend of soprano sax, played by Brent Myers, and Flugel horn, played by Mark Hatch. All three soloed well, especially Hatch and Simons. Hatch plays much more freely on the mellow Flugel horn than he does on trumpet, and his Flugel horn solos on "Moon Men" and on "Interplay" by Bill Evans were exemplificative of his fine improvisational abilities.

The rhythm section was rounded out with Cliff Hugo on upright and Fender bass and Rogers Lott on Drums. Hugo displayed ample capability both rhythmically and on solos on both instruments, and played a particularly good upright solo on

Continued on Page Seven



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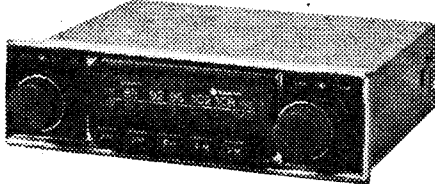


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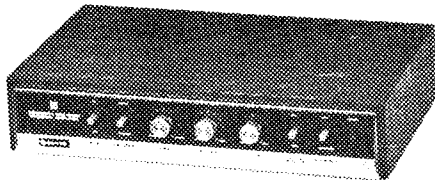
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The Ice House has a good set of complementary acts this week. They play until the sixth.

—Karl Kuhlman

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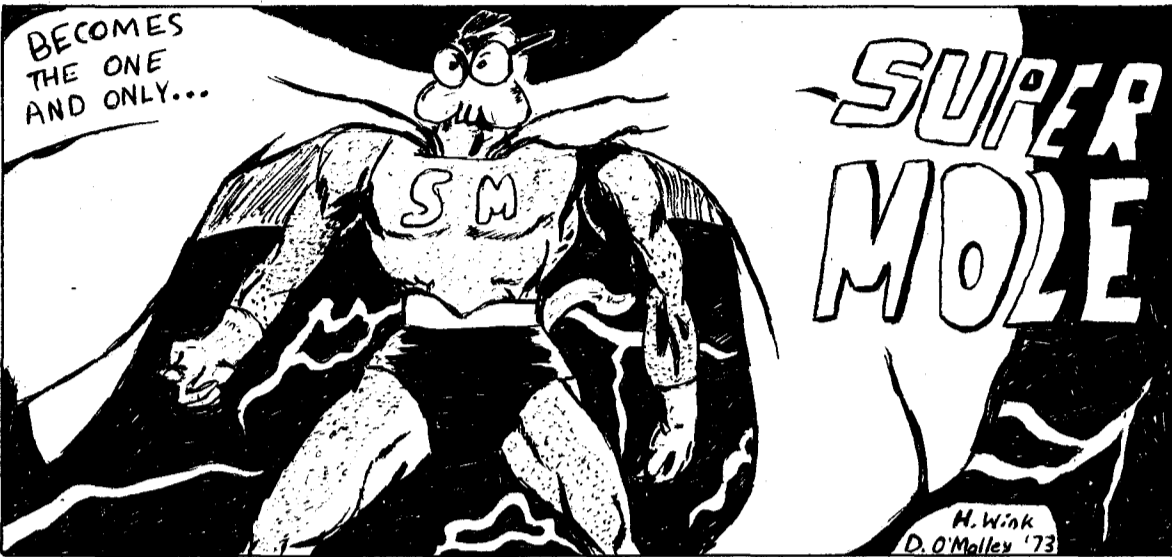
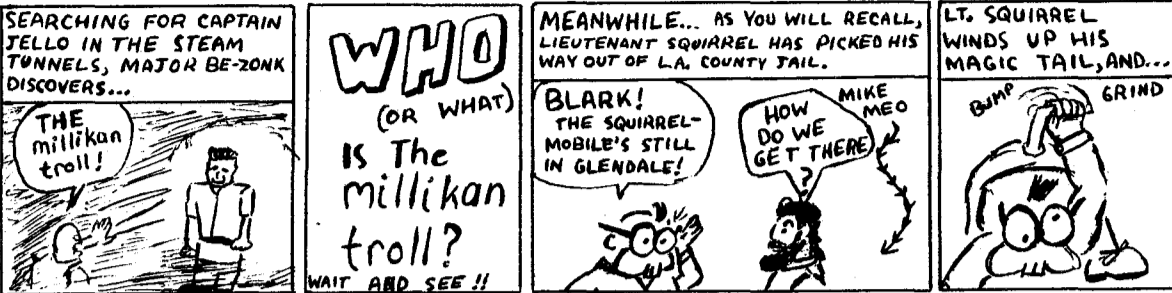
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Cerebrum

Continued from Page Two
rooting out corruption in the government reflects well on the press.

Many questions remain unanswered. How much did Erlichman, Haldeman, Dean, Mitchell, and Kleindienst know? Who ordered the bugging? Did Nixon know about it, and if not, who withheld knowledge from him? The coming weeks will hopefully bring answers to these and other questions which go to the heart of the issue of the benevolence, competence, and intelligence of those who head our government. One cannot conceive of politicians as canny as Nixon or Mitchell having the colossal stupidity to involve themselves in the likes of Watergate. But it would not be the first time honorable men fell into dishonorable actions.

Watergate has proven as grave a crisis in government as any this nation has had to face. Many reputations have been broken, and it is likely that more names will be blackened by scandal before the last newsprint on the matter finds its way to the morgue. One hopes that similar activities will not occur in the future, but that trivial lesson in civics will have been learned at an excessive human cost.

Someone once asked George Marshall how to successfully command a large operation. "Pick good men and support them to the hilt," Marshall replied. "But the important thing is to pick good men," he continued. Therein lies the tragedy of Watergate and the anguish of Mr. Nixon.

Beckman-Ramo Offers Synthesized Music

by Marc Donner
As the early midterms descend upon us and we stagger under a load of papers and exams and drop cards what could be farther from our minds than an evening at some concert or recital? However, it has been proven that trolling is bad for your soul. In the light of this revelation the people at Beckman/Ramo have distilled a collection of entertainments to titillate your non-trolling moments.

On Friday and Saturday May 4 and 5 the Erick Hawkins Dance Company will present the west coast premieres of a new work, "Early Floating," and Hawkins' own "Eight Clear Places." Hawkins is considered one of the most powerful creative influences in American Dance and is widely known for his original works, among which "Angels of the Inmost Heaven," "Dawn Dazzled Door" and "Classic Kite Tails" are some of the most recent. His company has recieved favorable reviews everywhere and particularly in the toughest critical environment in the country: on Broadway in New York. This dance recital should be an unusual and intriguing experience. Beckman Auditorium, 8 p.m.

The third artist of the 1973 Encounters schedule, Salvatore Martirano, will appear in an informal atmosphere in the Main Gallery at CalArts in Valencia, California on Sunday May 6 at 8

p.m. Martirano is one of the pioneering experimenters with synthesized music. He comes from the University of Illinois where he has invented a "multi-speaker, pre-programmed, semi-computerized performing musical orchestra." This should be a "mind boggling" fun experience. Dabney House please bring your Moog Synthesizer Synthesizers.

Archaeologist In Baxter Friday

One of the world's leading Biblical archeologists, Magen Broshi, will give a free public lecture at Caltech Friday, May 4 at 3:30 p.m. in Room 125 of the Baxter Hall of the Humanities and Social Sciences.

Broshi is archaeologist and curator of the Shrine of the Book, which houses the Dead Sea Scrolls in the Israel Museum in Jersusalem. He will give a slide talk on "Recent Excavations in Jerusalem."

The archaeologist directed the excavations on Mount Zion and the Armenian Garden in the Old City of Jerusalem. These have laid bare remains from the Israelite period to the Middle Ages. Mr. Broshi is an Israeli who was trained at the Hebrew University and at the Oriental Institute of the University of Chicago.

under-ear

Continued from Page Four
Young Dylan, as I prefer to think of it) and "On the Side of a Hill." This latter appeared in a mutilated version as a counterpoint piece entitled "Canticle," recorded along with "Scarborough Fair." This is a very worthwhile album for Paul Simon fans.

Recording quality: excellent. Packaging: fair, no song list. Historical value very high, due to new songs and versions. Musical quality: very good. Overall grade: A-

-Nick Smith

Hillel Celebrates Israel's 25 Years

by Louise Lorden
To celebrate the 25th anniversary of the birth of the state of Israel, Caltech Hillel and the Israeli students of Caltech, in conjunction with ASCIT and the GSC, are sponsoring a variety of activities on campus.

On Sunday evening, May 6, a "birthday party" will be held in Dabney Lounge and Gardens from 7:30 to 11 p.m. The evening will include an Israeli buffet dinner, entertainment by renowned Israeli singer and comedian Mike Burstein, Israeli folk dancing for everyone, and group singing led by Amnon Meler, an Israeli accordionist. Benjamin Abileah, Consul to the Southwestern United States, will make the introductory remarks. Tickets are 50 cents for ASCIT, GSC, and Hillel members and \$1 for others, and are available from Marv Mandelbaum in Winnett Center (ex. 2154).

Monday, May 7 has been designated "Israel Day" on campus. From noon till 3 p.m. an Israeli photography and poster exhibition will be on display on the Olive Walk. At 8 p.m. in Winnett Center the movie "A Wall in Jerusalem" will be shown. Narrated by Richard Burton, the documentary is an account of the history of Israel from the beginning of the century through the Six-Day War. Admission is free to everyone.

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Letter-Perfect Solution For San Pasqual Closing

by Eric Eichorn

With the Pasadena City Board of Directors finally having given their approval to the closing of San Pasqual (see last week's *Tech*), many Techers are wondering just when the street will be closed, and what the extent of the closing will be. In the last few weeks two students have been injured on San Pasqual. Fran Wetter was struck by a speeding taxi while crossing the street, and Bill Zajc was hit by a truck turning left while riding his bicycle through the Wilson intersection.

According to Clem Kaasmann of the Campus Architect's Office the only thing preventing the immediate blocking of traffic is the official letter from the city authorizing the work, which has not been received yet.

Big T

Immediate plans are for blocking traffic from Wilson to Chester, with the Wilson intersection becoming a "T," and the Chester intersection an "L." Development of the street area will take place from Chester to Crellin only for the time being, with the remainder scheduled for approximately one year from now.

Although the street vacation

will take place very soon, development of the land will probably not start until third term is over, and not completed until after the beginning of classes next fall. It is expected that the contract documents will be finished by the end of this month, the contract awarded by the middle of June, and the work completed by the beginning of October.

Dave Smith

Continued from Page Four

that he had a better opportunity to psyche out the place—the administration, the faculty, and above all, the student houses. He felt that he could make a more intelligent judgement about whether he really wanted to be on campus (he did, as I recall), and about which house he really wanted to be in.

"I think that these students' reasoning is valid. I also feel that

More Massey

Continued from Page One

to be expected that both budgets will be combined into the ESC budget, but then again, who knows?

Picky, Picky, Picky

The Educational Policies Committee (EPC, not to be confused with ESC) is putting out their Teaching Quality Feedback Questionnaire very soon, perhaps today. The last one (remembered only by juniors and seniors) had a significant affect on who taught what course and how; it is well worth your time to fill them out. The EPC will then publish results, perhaps later this term, of how people felt about various things in all the many courses you've taken this year.

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Giants Win, 157-0

Tech Splits Pomona Doubleheader

by Ray Spears

Tech lost the opener of a doubleheader Saturday with Pomona 6-4, but rebounded to win the second 5-2.

In the first game Caltech pulled out to an early 2-0 lead in the second. The team played a fine defensive game until the sixth inning, having allowed only one hit and one run in the first

five.

In the sixth, Pomona loaded the bases with no outs, gaining a run in the process. Their first baseman drove a home run over the left field fence, giving them a 6-2 lead. Tech made a rally attempt in the seventh, powered by hits by Jerry Feely and Bob Stanley, but this fizzled when Stanley was picked off at first

the houses gain in stability when the ratio of upperclassmen increases, and since the policy has been in effect, we have seen a higher percentage of upperclassmen return to the houses and remain in them over the year. In a sense, we are being hurt by the success of the policy."

Do you think that Caltech should assume the responsibility of providing some kind of housing for every undergraduate who wishes it?

"I am not sure how to answer your last question except to say that we don't and never really have. We have a student body of about 800 and 565-570 maximum places in the student houses. In order to assure ourselves that every student who might conceivably want to be housed had that chance we would either have to reduce the student body to 565-570 or build rooms for some 230 or so more people; or we would have to key our admission policy to room demand. Once every present student had had his chance to sign up for a room next year,

we could determine the size of the next freshman class. Fluctuation would be wild. Since we could admit only about 150 freshmen this year on that basis, we could find ourselves in a few more years, after several very small classes, admitting classes of 300 or 350. The real danger of providing some kind of housing for every undergraduate who might wish it is that we would then, for economic reasons, be obliged to require every student to use that housing. Very bad show.

"Providing housing for everyone is an obligation that we can't meet and that I don't think we should attempt. But I do feel quite strongly that we should try to offer students more variety in the kinds of housing they can choose from. I am very gratified by the success of the Co-ops. We can't really say that the Institute is offering Co-op housing—the Co-ops are; but Caltech students are being offered more choice. And I think that Caltech ought to move in the direction of providing ever more variety."

Audience

Continued from Page Five

a Dizzy Gillespie tune entitled "Con Alma." Lott's drum playing was generally tasty and steady, and fit well with the group's varying moods.

The group in general, and the rhythm section in particular, needs to work more on listening to and interacting with each other. The abilities of all the players has reached a level where such interaction can happen and indeed does, such as on Herbie Hancock's "Cantaloupe Island,"

where the rhythm interplay was very good. The weakest point of the performance was the unison playing of Myers and Hatch. This was no doubt due to the fact that Hatch has been studying at the University of Utah since December and has only rehearsed with the group twice since then; but nonetheless, the group should know enough to avoid unisons on rhythmically unusual tunes such as Don Simon's arrangement in 11/8 of "Scarborough Fair."

The group played tunes for all jazz and jazz-rock ears — ranging

trying to steal and two batters struck out.

In the rematch Tech played an extraordinarily together game, predicated on the extraordinarily together pitching of Rich Mitchell, who gave up only four hits while striking out six. The Beavers scored regularly. In the first inning Tom Howell walked, Bob Pleva singled to right, Feely got on base on interference by the catcher, and Gschwend singled Howell in.

In the fourth inning, Howell scored from second on a hit to far right by John Dilles. In the seventh Dilles hit a home run 300 feet over the center field fence. Bob Pleva hit Howell in the eighth, and Phil Gschwend scored on a single by John Dilles in the ninth. Mitchell tired a bit in the bottom of the ninth, allowing two runs on a couple of walks, but Pomona never really came close.

Sounds Like Football

The Beavers lost Tuesday afternoon to the San Francisco Giants in a real heartbreaker, 157-0. Tom Howell, Jerry Feely, Bob Stanley, Tony Durazo, and Bob Pleva all got hits, and a splendid time was had by all.

R H E

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from a good jazz standard "Invitation," to Wayne Shorter's straight ahead "Witch Hunt," to the jazz rock of "Psychedelic Sally" by Horace Silver featuring a tenor sax solo by Myers, to a tune by Simons which was described as not quite a minor blues, thus entitled "Minor Greens." This last tune had sections of free "implied time" which the group as a whole and all soloists handled very commendably with good interplay. The high point of the evening was the tune "Foot Prints" by Wayne Shorter. All members soloed well and the group had a fire and cohesiveness that promised even better things to come from West.

A closing credit should be given to the Ice House for its efforts in presenting live jazz in the Pasadena area. The publicity for these Monday night concerts is low key at best — so it would behoove all fans of jazz to inform their friends of these shows and support the Ice House in having good Jazz available nearby and at a low cost.

-Dick Harley

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Page Dudes All Wet ; Capture IH Swim Meet

by Bob Kieckhefer

Led by four victories by Clyde Scandrett (the first one coming at an IHC meeting), Page House swam to an overwhelming victory at last week's Interhouse Swimming Meet. This victory gave Page a 25½-point victory over Fleming in the Interhouse Trophy standings.

Page Dudes won eight of the nine events, setting or tying interhouse records in four of these. Scandrett lowered the 50-yard backstroke record to :29.9, tied the 50-yard freestyle record of :24.0, and also won the 100-yard freestyle.

Don Keenan also participated in two record-setting events. He swam the butterfly leg for Page's record-breaking medley relay team, lowered his own 50-yard butterfly record to :26.3, and also won the 100-yard individual medley. The medley relay team of Greg Beall, Doug Trotter, Keenan, and Dave Novikoff swam the event in 2:00.4, breaking the old record by 2 seconds.

What They Didn't Do

Page's other victories came from Mark Bleck in diving and from the freestyle relay team of Novikoff, Scandrett, Jim Rowson, and Mike Mariani. Despite winning eight events, Page did not score more points than the other six houses combined, and their free relay team was beaten by a team of varsity swimmers.

Mark Johnson got his name in the paper by scoring the only non-Page victory of the meet. His time of :32.0 in the 50-yard breaststroke prelims set a new interhouse record. His victory in the finals, together with a fourth in the 50 fly, accounted for half of Dabney's points. Hampered by an ath man who followed the

Interhouse Swimming Results

Page	102
Fleming	54
Ruddock	29
Lloyd	21
Dabney	20
Ricketts	6
Blacker	3

Interhouse Trophy Standings

Page	322½
Fleming	297
Ruddock	186½
Dabney	176½
Ricketts	165
Lloyd	103
Blacker	93½

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rules, Dabney was edged by Lloyd and finished fifth.

Fleming House placed second in the meet, an honorable distance behind Page. Phil Arnold, Jim Horn, Chris Cooper, and the free relay team of Arnold, Horn, Cooper, and Jerry Adams took second places behind Page Dudes.

Any Woman Can*

Marion Movius led the Rudds to third place by swimming on two relay teams and placing third (ahead of two Page Dudes) in the 100-yard freestyle. One of those relay teams was not a Ruddock relay team: the some-women-can-swim-as-fast-as-men medley team almost beat the Lloydies.

Lloyd edged Dabney in the last relay of the meet to capture fourth place. Baruch Livneh and Joe Kirschvink led Lloyd in scoring.

Doug Stauber's third in the 50 back accounted for most of Ricketts' points. Blacker, home of the I-can't-make-it-but-could-you-time-me-anyway swimmer, finished seventh on the strength of Ron Kinch's diving.

Touch Football Premiers Saturday

Caltech's two highest ranking touch football teams, Page House and the Tiger Toads, meet this Saturday afternoon at 2 o'clock on the Soccer field. Page House, with its heavy complement of varsity football lettermen, is expected to be formidable. The Tiger Toads however, have defeated their last four opponents by a combined score of 107-0 and will likely be the most physical team Page has faced in a long while.

Saturday's game will be played with eight players on a side, unlike the intramural game which is played with six. This factor results in an increased emphasis on offensive and defensive line play. Both Page and the Tiger Toads will field large, quick lines. The game is played with four downs to make 15 yards, and two one-hour halves.

Caltech Osterizes Whittier

There were only twelve of them and they came, they saw, and they conquered. Welded together with the same missionary zeal of twelve others long ago, their names are: Almquist, Bienz, Brewington, Griffin, Herbert, Hoit, Kleinsasser, Miller, Robinson, Steubs, Sweitzer, and Webster.

Their zeal was motivated by a desire to maintain Coach Bert La Brucherie's dual-meet track record. The retiring coach's teams had won two more meets than they had lost over a 24-year period, and it all came down to one race, one throw, and one jump. The Techers, with a spirit unequalled, rose to the challenge and by outsoring Whittier 19-4 in the final three events, surged ahead for the 71-70 victory.

It would be impossible to point to the person or event responsible for the victory, but the day can be recapped. It was bitterly cold and the meet was held on a track and field that should be outlawed for competition due to its poor condition.

Kleinsasser

Al Kleinsasser started the day off with his usual victory in the mile. Running easily and alone, he covered the four laps in 4:16.0. Some thirty-five minutes later he returned for another solo performance to win the 880 in 1:56.8. Both marks were outstanding.

When it became apparent that Tech needed an additional point in the three-mile and a mile-relay victory, Kleinsasser volunteered to run the three-mile, finishing third for the point with a time of 15:56.1. The three-mile was his first ever, but it gave him only a ten-minute rest before the relay.

Suffering from a cramp and obviously tired, Kleinsasser ran the second leg of the relay. In spite of nearly being knocked off the track by a Whittier runner, his time was 53.5 to keep the Beavers in contention. Running almost five competitive miles in four races, Kleinsasser was only one of the heroes.

Poets Heckle-Tech Scores

Bob Brewington, competing for the first time in the pole vault, had to suffer the taunts of the Whittier vaulters because of his style and low starting height. When the vaulting was all over, it was Brewington laughing and being congratulated by his teammates, as the Techer won with a height of 9 feet. No one from Whittier could clear that height. Five vital points, but he was only one-twelfth of the victory.

Poetry Lessons

Complete with orange hat,

orange stockings, and cheering section, Haywood Robinson split the sprints with Whittier's Debato. Robinson, in the 100, had a horrible start and was five yards behind but came back to be edged by less than a yard with a time of 9.9. In the 220 it was Robinson's opportunity to recite, as the Beaver sprinter ran a fine race from start to finish to win with a mark of 22.1.

Robinson, on a good day and with a good start, will defeat Debato in the 100. He also ran on the 440 relay team and ran the vital third leg of the mile relay with an outstanding 52.1 time. Another part of the victory is due to Robinson's efforts.

Hoit vs. Pain

Greg Hoit, running with an extremely sore leg, scored point after point in helping the Caltech victory. He opened the day by running an excellent leg on the 440 relay. Then, as a last-minute entrant in the 440, he finished second with a lifetime best of 51.5.

Less than thirty minutes later, Hoit won the intermediate hurdles with a mark of 56.0. Running an outstanding anchor leg on the mile relay in 51.3 concluded the day for Hoit and helped secure the victory. Hoit, who was considered doubtful due to his leg injury, ran with pain in each race and conquered not only his opponents, but also personal pain.

Griffin Scores

For the first time in his career, Greg Griffin was able to shout "track" at Al Kleinsasser as he lapped him in the three-mile. Griffin, again running by himself, finished the three-mile in an excellent 14:42.0. The Beaver distance star also placed third in the mile with his personal best of 4:26.5. Griffin, as he has each week, contributed valuable points to the Tech victory.

Mr. Courage

Just as he has for the past four years, Charlie Almquist competed every step of every race and even found time to high jump as he scored valuable points in four events and ran on the losing 440 relay team. In order to gain a point, Almquist high jumped for the first time in his Caltech career and placed third with a 5-2 jump. Almquist won the high hurdles with a 16.5 and placed second in the intermediate hurdles with a 56.9 time. Run-

ning the lead-off leg of the mile relay, Almquist ran an excellent time of 50.4 to grab a five-yard lead. On a normal day in a normal meet, his performance would have been the starring one, but in Whittier he was one of twelve.

Weightmen Win

Brent Sweitzer came through in grand style as he won both the shot put and discus. Sweitzer's winning marks were 44-4 and 130-8. Doug Herbert added to the luster of the field events by placing second in both events with marks of 40-5½ and 128-10½. Sweitzer's and Herbert's marks enabled the Beavers to outscore Whittier 16-2 in the two weight events.

The Beaver domination was not anticipated in the pre-meet analysis, and the 16 points were a vital contribution to the team victory. Bob Miller, in the javelin, also scored important points by finishing second with a 160-2 throw. The javelin runway left much to be desired and hurt Miller's ability to throw well.

Also helping the Caltech cause was John Steubs running on the 440 relay team, the 440 and 220. Steve Bienz competed in the shot and discus. Dave Webster pulled a muscle in the long jump and failed to place.

One Event

After sixteen events, the meet was decided in the mile relay. The Caltech team of Almquist, 50.4, Kleinsasser, 53.5, Robinson, 52.1, and Hoit, 51.3, finished with a time of 3:27.2, their fastest of the year.

Almquist got a five-yard lead for the Beavers, Kleinsasser gave up twenty yards, Robinson, running his fastest time, made up 30 yards, and Hoit, running an outstanding leg, won the race going away to clinch the victory.

But when it was all over, the season mark stood at 4 and 4, LaBrucherie's 24-year dual meet record was 107 wins and 105 losses, and there still were only twelve men who can claim the credit: Almquist, Bienz, Brewington, Griffin, Herbert, Hoit, Kleinsasser, Miller, Robinson, Steubs, Sweitzer, and Webster.

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