



Man Does Not Live by Words Alone . . .

The CALIFORNIA

Despite the Fact That He Sometimes Has to Eat Them. -Winston Churchill

Volume LXXI

Pasadena, California, Thursday, February 19, 1970

Number 18

YMCA To Sponsor L.A. Area Tour PME Time, Too

The Caltech YMCA in conjunction with ASCIT is sponsoring a tour of the greater Los Angeles area. The tour, taking place February 28, will be for about 50 freshmen and sophonores, with the emphasis on freshmen.

The tour will leave on busses around nine a.m. They will visit the Pasadena Art Museum, NBC, UCLA in the morning, and partake of lunch at the beach. From there, places on the tour are Farmer's Market, Hancock Park, the LA Civic and Music Centers, Griffith Park and dinner in Chinatown.

To help cover expenses, the tour will cost \$5 per student. Also, upperclassmen who are somewhat familiar with Los Angeles are needed as guides for the trip. For further information, check at your local Y.

Note: Nominations for Y officers are open with the election to be held in March. This year, the offices are also open to graduate students, so anyone interested in running see the last sentence in the paragraph above.

It is also the time of year for interested persons to sign up for the Political Military Exercise. This year the fun and games will be centered in Asia. If you wish to participate as a team member, either fill out the form you received through the mail or stop in at the Y Office.





The two contenders for the office of ASCIT President are Bob Fisher [left] and Phil Morgan [right]. The election is tomorrow, as you already know.

Wrestlers Rip Pomona, **Near SCIAC Championship**

by Richard Short

The Caltech wrestling team, after several years of mediocrity, has suddenly achieved supremacy in the Southern California Intercollegiate Athletic Conference under Coach Tom Gutman.

The Tech matmen all but clinched the SCIAC championship yesterday afternoon when they

Pl 7, Human Relations. I.

Hunter. Dr. Hunter, Tech's new

clinical psychologist, is offering this

course this year. At the moment he

envisions a lecture course summar-

izing abnormal psychology and

clinical psychology, with emphasis

annihilated Pomona College 30-8 in the Caltech gym. The contest was the final dual match of the season, and it gives the Beavers a perfect record of four wins and no losses in the five-team conference.

In deciding the league championship, the outcome of the dual matches is weighted equally with the results of the SCIAC Tournamant, to be held at Whittier this Saturday. But since Caltech won all of its league dual matches, and won them by substantial margins, the Beavers will be the favorites to walk off with the laurels at the tournament. In addition, Caltech could finish second in the tournament and still easily be named the league champion, depending on who finishes ahead of them, by what score, and other factors.

In earlier matches against conference foes, Caltech whipped Whittier 29-10, Tech beat Redlands 24-15, and the Beavers demolished Claremont-Harvey Mudd 34-5. Pomona, the team expected to be Tech's toughest adversary, went down 30-8 before a crowd of almost 200 spectators.

Mark Morris started off the competition by beating his opponent from Pomona 12-2 in the 118 pound class. Phil Geschwind took a 12-4 decision from Pomona's 126 pound wrestler. Randy Lewis earned five team points for Tech in the 134 pound class when his opponent from Pomona defaulted in the second round. Dave Collier, Tech's 142 pound grappler, defeated his man 15-4. In the 150 pound class,

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Ruddock, Levin Cop Top Honors In IH Sing

The 18th annual Interhouse Sing extravaganza took place in front of a modest crowd in the Scott Brown Pavillion last Saturday night. Ruddock captured both the House chorus and quartet trophies, with Lloyd placing a near second in the A special course being offered by chorus competition. Paul Levin's Dr. Thompson, the developer of solo was judged the best of the randomania.

The program, emceed by Dr. Department, included performances by the Lloyd, Ruddock, Page, and Ricketts House choruses, the Ruddock and Ricketts House quartets. Also, there were six "random" talent acts: Paul Levin soloing with "Ade zur guten Nacht," a German love song; Fleming's Freak-Greek

As usual, all sorts of random courses are being offered third term, and as **Preregistration** is about to be upon us, the Tech is presenting a few randomly-collected write-ups on some of these courses.

REL, on the tool of induction. Gary Lorden of the Mathematics inductive steps in science." Literapromote dialogue on basic issues in the Houses," in the hope that this

3rd Term Courses Announced; **Differential Geometry?**

Pl 12, Induction. F. Thompson. Students are urged to come to grips in their own minds with ture will be studied for justifications for using induction in proofs. There will be two sections, one limited to enrollment by members of Page House, one for Ruddock. This odd arrangement was developed "to course may be a vehicle to

vior, the definitions of 'normal' behavior, evaluations and assessments of mental conditions, and

on psychotherapy, abnormal behatheir treatment. It will be a survey course, and probably not a T-group, although Dr. Hunter says he will 'play it by ear' on what the class would like.

Other Notes

encourage this.

Ec 117, as offered by Dr. Oliver. will exist third term. Dr. Oliver is a veteran of Pasadena local politics, and his course specializes in issues of local politics and social conditions, with field trips to various places in the area. The course

Continued on Page Ten

News Briefs Bacher, Anderson, Smi

Drs. Robert Bacher, Carl Anderson, and Hallet Smith will be retiring relatively soon, thus opening the positions of Provost, Chairman of the Division of Physics, Mathematics and Astronomy, and Chairman of the Division of Humanities open. Searches to pick their successors are already either under weigh or imminent.

According to our sources, an announcement concerning who will become the new Provost is imminent. Whoever gets the job, he will find himself deeply involved in long-range planning for the Insti-

A search for a new Chairman of the Humanities Division continues, according to Dr. Huttenback. So far, several eminent scholars have

seems to involve finding someone willing to do the amount of administrative work the post involves.

A search for a new Head of Ph, Ma & Ay should commence shortly.

Yes, But They Do Have a Computer

Our sources report that the Beckman Auditorium ushers receive their most recent paychecks ninety days late. Also, our Business Manager reports that the Tech has not received payment for second term student subscriptions, which were paid seven weeks ago. The latter represents a major nuisance for the perpetually short-funded newspaper; the former is a possible been considered, but the problem flagrant violation of state labor law. **Pre-Registration Time**

Again — Already ??

Preregistration for third term will occur next week. Pre-reg cards will be accepted by the Registrar's Office Monday through Friday. For more information, see the feature on courses in this issue.

Watch Out for Another Beer Blast a la HBack

Dr. Huttenback has announced plans for another Arden House Beer Blast, with beer (of course) and pizza, to be held sometime before the end of the current term. He hinted that the food will be free, but Alka-Seltzer will be fifty cents a shot. Watch for more details.

PS: Will Margie the Elephant be



Dr. Brown addressing a surprisingly small audience in Beckman Auditorium yesterday on the SALT talks. Mrs. Brown also spoke on student living at the University in Helsinki.

Editorials

Fisher for ASCIT President

This week ASCIT is holding elections. Judging from the number of uncontested offices, it appears that our student government has reverted to its historical degree of activism - none. It seems that in previous years the amount of ASCIT involvement in anything was competitive only with the enthusiasm evoked by those asked to clean out the Mudeo pit after the Mudeo.

We do ask that the ASCIT members vote, however. To start with, even uncontested candidates legally need 50 per cent of the ballots cast to win for any office. Secondly, the election should at least inform the students of the candidates who are possibilities. This issue contains the official statements of all the candidates. We urge you to read them carefully, and then to consider in the coming months their performance.

This editor will make only one endorsement. Bob Fisher has served for the past year as president of the Caltech YMCA. During that time he organized many interesting and controversial activities. He has also served as secretary of the Board of Control, an office requiring a great deal of time and concern and no recognition. He has also participated as a house officer. Bob Fisher would make an enthusiastic and extremely competent ASCIT president.

-Ira D. Moskatel

Morgan for ASCIT President

Tomorrow, the ASCIT elections will be held. It is traditional that the Tech publish a slate (or slates) of recommended candidates for election to the various offices. The slates are published under the assumption that the editors are in a better position than the average student to judge the qualifications of the candidates. In some years, this was probably true.

This year, on the other hand, I feel that we are not in a particularly good position to recommend a full slate of candidates. The roster of candidates includes many new and unfamiliar names. Most of the candidates have little previous experience in ASCIT.

I would still like to make one recommendation, and that concerns the office of ASCIT President, I am familiar with both Phil Morgan and Bob Fisher, the two candidates for this office. Both of these men are qualified for the office, and I am sure both would do a reasonable job.

However, I feel that Phil Morgan will best represent the student body. Bob Fisher has stated that he knows many of the most important people in the faculty and administration here at Tech. It is more important for the ASCIT President to know the students. Of the two men, I believe that Phil has a better idea of what the students at Tech want. He is also more likely to actively solicit student opinion concerning the present and future objectives of ASCIT.

For these reasons, I suggest that you vote for Phil Morgan for ASCIT President.

-Craig Sarazin

Throop Beat

Be Strong on Something!

by Etaoin Schroedlu

The fate of Frosh Camp is being discussed these days. Turns out that quite a few administrators figure that the best way to introduce the new froshlings to life at Caltech is by showing them Caltech. I'd never really thought about it myself, but that argument does have a certain amount of logic behind it. At any rate, the Deans hereby solicit your opinions on the matter, be you strongly in favor of frosh camp, or conversely would like to see it go the way of graphics requirements, room curfews, and the rest of my baseball predictions. No one is sure yet, but it'll probably be decided to eliminate the camp. Saves money, too.

Wonder what'll happen with student ID this coming term. Will we get our promised picture-ID cards, or not, or just exactly what's going to happen this time around? I've been told that the plans were for picture-ID's before now, but something got screwed up somewhere. Tune in next week for another report.

Tech Tack Toe

The Tech is still looking for typists and news reporters. For that matter, we could use most anything else too. Such as a Business Manager. Also, we've flicked in the idea of parodying Scientific American for the 'Rivit' this year. We're open to suggestions for anything else to try to parody, or if we just do a regular-type Rivet, we can use

So They Tell Me Dept.

Lyman Bonner is being moved importance.

out of his room on the one-and-ahalfth floor of Throop into the big room next to the Dean's Office. Now it'll be easier to see all the big men without wearing out the stairs. . . . Dr. Bonner spent the first part of the week in Texas' largest cities trying to talk some of those oil millionaires out of some of their millions on behalf of Caltech. . . . Know anyone who'd like to head up Caltech's Development program? We hear of a dark horse candidate whose name has been mentioned in connection with the job, but it's all a public relations move. . . . Dr. Huttenback is conjuring up schemes these days for making revolutionary changes in the Caltech academic requirements and atmosphere. Anyone who has their own ideas, or wants to hear his, should stop by; he and Ned Hale get very lonely over there in the Mausoleum. . . . Admissions Committee is having its yearly pow-wow Thursday, Feb. 26, to prepare us for the appointed rounds this year, and discuss policy questions if any are brought up. This year the evil spirits lurking behing the calendar have caused that most California interviewing will have to be done the last week of this term. As if the Ides of March aren't bad enough, all by themselves. And Friday the 13th comes on Friday, too. . . . Will the First Annual ASCIT Optical exist? .

. Kudos this week go to the Beckman Auditorium staff, not for any special reason, but just for the job they've always been doing, which is full of redeeming social

Wright & Logan

Draft Classifications Explained

To the best of our knowledge, all the information in this column is accurate at the present time. However, judgements by the courts or changes in the Regulations occur often. A counselor or lawyer should be consulted before taking any action that will affect your Selective Service status.

The Selective Service law provides for a large number of deferments and exemptions from military service. The Regulations require a local board to give a registrant the "lowest" classification to which he is entitled. For example, a registrant who qualifies for both a II-S student deferment and a I-O conscientious objector classification must be granted the II-S. This article lists the classifications "highest" first. Some additional notes are included for classifications not covered in previous articles.

Registrants available for military service.

ClassI-A-O:

Conscientious objector registrants available for noncombatant military service only.

Class I-C:

Members of the Armed Forces of the United States, the Environmental Science Services Administration, or the Public Health Service

ClassI-D:

Qualified member of a reserve component; or a student taking military training, including ROTC.

ClassI-O:

Conscientious objector opposed to any form of service in the Armed Forces, including noncombatant service, who is available for civilian work contributing to the maintenance of the national health, safety, or interest.

Class I-S:

Student deferred by law until graduation from high school or attainment of age 20 (I-S(H)), or until end of his current academic year at a college or university (I-S(C)).

Class I-W:

Conscientious objector performing his two years of civilian work contributing to the maintenance of the national health, safety, or interest; or one who has completed such work.

Class I-Y:

Registrant qualified for military service only in time of war or national emergency (ordinarily a medical or psychological deferment).

Class II-A:

Occupational deferment (other than agricultural and student). To qualify, a registrant must have a job fulfilling an essential community need, vital to the national health, interest, or safety. It is necessary for the registrant's employer to write a strong letter, using the language of the law, stressing the difficulty of finding a replacement with the necessary skills, ability, and training. If an appeal is necessary, the registrant should request that his file be sent to the State Scientific Advisory Committee for review before it is sent to the State Appeal Board. In almost all cases the appeal (and the review by the advisory committee) should be transferred to the State Appeal Board having jurisdiction over the area where the registrant is employed.

Occupational deferments are also granted to registrants in apprenticeship programs approved by the Labor Department and the State Director. This can be the equivalent of a student deferment for a registrant in a non-degree business or trade school program as well as a trade union apprentice.

Class II-C:

Agricultural deferment. The registrant must be producing an essential product for community comsumption on a farm or ranch which produces a greater than average amount of such produce.

Student deferment for those in college. Class III-A:

Extreme hardship deferment, or registrant with child or children.

Fatherhood: the registrant cannot have requested and received a II-S deferment since June 30, 1967, and must be either living with a child or children (who are under 18 years of age) and acting as a father to them or living with a wife or girlfriend who is pregnant (the registrant need not be the actual father in either case).

Hardship: this classification is hard to get. The claim must be well documented, quoting statistics and including evidence from outside sources (social workers, doctors, relatives, psychiatrists, etc.) to substantiate a claim of dependency in which the dependent would suffer extreme hardship if the registrant were to be inducted into the Armed Forces. The dependency

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The CALIFORNIA Tech

Thursday, February 19, 1970 Volume LXXI

Published weekly, except during vacations and examination periods by the Associated Students of the California Institute of Technology, Incorporated. The opinions expressed in all unsigned articles are strictly those of the newspaper staff.

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Subscriptions.....\$1,50 per term \$4.00 per year Life Subscription.....\$100.00



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Ira Moskatel

David Miller

Legal Rights Responsibility

by Ira Moskatel

Last week, the jury in the "Chicago Seven" case was sent to deliberate after almost twenty weeks of courtroom procedure. After the jury had left the courtroom, federal judge Julius Hoffman began meting out comtempt citations and sentences ranging from seven months to four years. The longest of the sentences, four years and thirteen days was given to Attorney William Kunstler. The lightest of the sentences was received by Jerry Rubins, who, interestingly enough, had been the most abusive of Judge Hoffman during the frequent outbursts by the defendant.

Legally, Judge Hoffman had every right to impose the sentences he did; and there is little evidence of overt foul play in the court proceedings. However, nothing in the trial seems to reflect judgement on the part of the attorneys for the defense, the prosecutor, or on the part of the jurist himself. To start with, the possible sentences are only of the order of five years. Allowing for the possibility of parole, it is likely that those convicted might only serve two or two and one half years. As far as this reporter can determine, contempt citations are not subject to parole. Hence the defendants, if convicted, might actually serve less time on their conviction than on the contempt citations. They might. however, not be convicted, in which case they would be getting almost as stiff a sentence as that for which they were tried.

Legal Precedent

Secondly, there is the matter of the acts which provoked the citations. Judge Hoffman is empowered to take necessary restraining action to eliminate flareups of the type that occurred. There is legal precedent for physically restraining the defendant, as well as for special soundproof booths. It should be noted that the trial of

Black Panther "Bobby" Seale was declared a mistrial after he had been bound and gagged during such an outburst. Hoffman may have been hesitant to take lesser action for that reason.

The issue at stake, then, is not really whether Hoffman had the legal right to take the action he did. The question is one of asking how our system of individual rights should be maintained. The net effect of the Chicago Seven trial will be to give evidence to the conservatives and anger the young liberals. What should be c nsidered is the respect for a system of justice. It is very true that the defendants showed extreme contempt for the court, that they even resorted to violence. It is also apparent that their attorney made little attempt to hinder their outbursts; but Judge Hoffman's action did as much to put the legal system under question as defendant Davis who told the court that "the spirit of this (defense) table will overpower you." There may be many faults in the judicial system, but no other one existing seems to be close in success. The spirit of justice should overpower both the purely destructive aims of the Seven and the sense of power in the arrogant judge.

Inside the Tech

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Nice Place to Visit, But. . .

Garble Tom seems to think he's been here. This account of his trip is in the latest issue of The Straight Dope. (A very late issue, dated a month ago; it arrived yesterday.)

Recently I heard about a place across town from noble Matador College, a place called CowTech. I of course imagined that it was an agricultural school, so I went to have a look. I found it without too much trouble, and after slipping down a greasy little streat, and some other maneuvers too difficult to describe, I found myself in front of a building which said on it, "Loosleaf House." A plate on the wall, facing the door, explained that this house was named for Corporal Jerome Dratwell Looseleaf, whom I immediately recognized as a member of that fine old family that had invented notebooks and autumn. (Adam and Eve only had winter, spring, and summer in the Garden because this was before the Fall.)

Millstones of Your Mind

As I walked on down the hall one of the first doors I came to was open, showing a person named Darwin Millstone sitting at a typewriter, laughing insanely. Reflecting as I passed that the theories of Darwin were certainly millstones dragging down the minds of some people, suddenly I realized that this was the perfect title for a song I had written for our movie, "The Harold Brown Affair:" "The Millstones of Your Mind," beautiful! You know how it goes, "Like a steam pipe that you follow down a tunnel of its own/Or a call that when you answer shows that no one's on the phone/. . . As you feel the crushing grind/ Like the grit that you will find/ 'Twixt the millstones of your mind." The Lenin sisters (never trust a defector) did a fine recording of the song.

With the music rolling through my mind (millstones roll, don't

they?) I reached the lounge at the which are called essue trees. Dr. end of the hall, where there was a picture of Corporal Looseleaf and the Looseleaf family coat of arms, with the motto, Spe Labor Levi's, which in English is . . . Come to think of it, my Greek is rusty. All I recognized was the part about the pants. The rest of the crest was a horse of another color; actually, two colors, blue and gold.

Eat at Dabless

Later I heard that several of the houses have adopted the heraldic It's called the colacan't because it designs of the families for which they were named. The gentlemen of Dabless house, for instance, have a rhinoceros and the motto, "You can get anything you want at Dabless's restaurant."

As I stood there, a group of fine young men (they said they were UCC's) walked by, carrying someone. One of them explained to me, "We're showering him." It warmed my heart to think that cleanliness was so highly regarded here. Of course, at Matador College we would have been singing some appropriate song, such as, "Soaky soaks you clean in oceans full of fun/ Scrubbledy Dubbledy Flibbedy Flubbedy/ Clean before you're done." I'm sure you all know the

Clean Gene

Then the student told me, "This is the fascist house." How wonderful to always win races. Then he told me to go see the man in charge of these student houses, a man known simply as "Clean Gene." As Captain Kanga Blue (also called Hairoiled) was assalting the Russians in Finland, I should see Mr. Clean

He was something of a disappointment. I told him I had just been to Loosleaf house, and he immediately said, "Please don't iudge us by them. They're a cantankerous, contrary bunch. They went out in the dead of night and build that ramp over there.'

"Why, what's wrong with that?" I said, "How else could I have gotten my Harley Electra-Glide with the reverb-chambered pipes onto this funny brick driveway?"

Tranquillity Lost

"Where is this Land of the Twenty-Two Gates?"

"About five hundred miles northwest of here."

For a moment I was almost overcome with the geographical implications of this remark. Then I thought to myself, 'Of course! it must be only a foolish superstition. But how many people have believed that if you went far enough west, you would drop into the Pacific Ocean! For a moment of true revelation, I realized how Columbus must have felt. How simple everything seems when the plain truth is known! But Millstone had stopped. I said, "Why do they call it the Land of the Twenty-Two Gates?"

Thermo Heats It

"Hundreds of board--er, years--ago, mad King Glurgwater built the most beautiful castle of all time: Thermo Castle. And the day it was finished a rotary reversion came and destroyed the castle. He tried to drive it away with his rotary club, which looked sort of like a cogwheel, but all that remains of the castle is the twenty-two glorious gates which led into it.

The rotary reversion is the fourth animal. Very dangerous. Lives on the fruit of symmet trees. Incidentally, under certain conditions, when symmet trees are broken up, they link together in arrangements

Gillman, one of the fish on the faculty, recently got some kind of award for his noble prying into the subject. The wood of these trees has a foamy texture. That's why people who study them are called fiz-"Foam on the Range."

said, "Fish on the zicists." He hummed a few lines of

faculty?"

Fishics

"Oh, ves, that's the fifth animal. cant live anywhere but in a mixture of sea water and Coca-Cola. They are very intelligent and make fine men. . .

"I understand," I shouted, "what they meant by SALT in FIN LAND!"

I cannot express the joy which filled my mind on the way back to Matador College. I was filled with dizzying visions of the future, which I would present on my "Whirled Tomorrows" radio program. All I needed to make my day complete was a major Scriptural insight, and wonder of wonders, glory of glories, one came to me!!! I realized that God would soon cause a major British band to become Jewish! "For I tell you, God can raise up children to Abraham from these very Stones." (Matt. 3:9)

The Matador College biology department was all agog when I announced what I had learned. He russed off to CowTech immediately, and I haven't seen him since.

When I stopped running I found myself in front of the Scrounge-Morefunds Laboratory of High Energy Money Raising, a gigantic brand-new building. And there was Millstone. I explained who I was, and what I was doing at Cow-Tech. "Oh, that's wonderful," he said, "The bio department here has invented five animals which can't possibly have evolved. We've been wanting to talk to you."

I thought this was a strange choice of words until he assured me that "invent" came from a Latin word meaning "find," and like John Miltown, the great poet who wrote Tranquillity Lost, he sometimes gave English words their Latin-root meanings. (My readers will of course remember that Tranquillity Lost, is the mighty epic which tells how Norman Mailer was thrown out of the U. S. Interplanetary Parks Service's visitor center at the site of the first moon landing).

So, we walked around the campus, and he showed me such noted landmarks as ancient, sagging Droop Hall, and Millpond Library (named in honor of the man who first measured the incredibility of the Marson; built, as the sign in the gazebo says, by the money of Dr. Slimey Green Mud). And he told me about the self-destructive work of Dr. Phelps and the Impossible Animals Foundation.

Absorbing Subject

The first animal is the Reversing Ghazakian. This animal has a skin which is made of the same kind of tissue as its digestive tract. When caught it turns itself inside out with a ghastly squashing noise and is free. The only way to capture it is with a net. The outside is just as capable as the inside of absorbing nutrients. The late Dr. Freebish always said they were an absorbing subject.

The second animal is the radiotelescope squid. Its tentacles have been greatly lengthened to pick up more energy. They are extremely

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The Third Wing

School Boards Dig Financial Graves

by Nick Smith

Originally, I had no intention of writing a column about school integration and busing of students. Any topic common enough to even it, however, has got to come within the scope of this column.

As a few of you probably know, have received the news that they are segregated, and must do something about it. Pasadena and Los Angeles are among these, much to the dismay of the self-righteous school boards. Both cities are appealing the court decisions, but there is little hope for Pasadena, which quietly shelved a plan to desegregate several vears ago.

The type of segregation is slightly different than in the South, in that minority students are not actually forbidden by law to attend white schools. In some Northern

No, Virginia There Isn't a Poll Cat! This is Caltech Poll Month! and you don't even have to answer the

Outstanding at present are two polls. Leonidas Guibas, ASCIT treasurer reminds everyone to return his teaching awards poll. The results will be used to select for honors those faculty outstanding in their

cities, the schools merely become South by making it equal everythat way from the fact that the where. Even Senator Ribbicoff is school district boundaries just hap- supporting the amendment, a surpen to coincide with the limits of prise to the liberal forces in the barrios and ghettoes, The fact Congress. Senator Stennis has have pain-reliever commercials about that these boundaries are set up by brought out memories of the all-white school boards has nothing old-style Senate debates, where to do with it. Parents of minority oration and opponent-baiting students can always move to a reached their peaks. He reduced a large number of school systems better neighborhood for better Senator Pastore to a quivering lump schools, if they can afford it, and if by showing Pastore's logic up. One anyone will sell to them.

> Senate is debating an amendment to minority students should have freea bill by Senator Stennis of dom of choice in school districts, Mississippi, which would apply the but majority students in that same same standards for integration to all district should not. That idea is, of schools in all states equally. Many course, ridiculous. Northern Senators are totally aghast Barring a major judicial reversal, at the idea, especially when it is or a real political upheval, the Los noticed that schools of Illinois are Angeles City Schools will have to be Florida. The reason for the amend- This will present a major problem. ment is not to speed up integration since it will require moving at least

learning.

questionnaire on the physical 75% of those minority students are education program. The forms in schools where there are almost

of Pastore's statements, when re-Currently, the United States duced in this manner, meant that

numerically as segregates as those of desegregated by September of 1971. in the North, but to slow it in the 250,000 students around by bus.

The district is, and I quote, "58% ability to teach and stimulate Anglo, 20% Negro, 18% Spanish surname and 4% Oriental and Also being conducted is a American Indian." However, about should be returned to Dr. Bradford no white students, and very little Sturtevant in Aeronautical education. Busing would cost about Engineering. They will be used to \$18 million [per year] for the rest help the faculty committee decide of the decade. I fear that the school how to regoranize the PE boards have dug their own financial graves.

ASCIT ELECTIONS TOMMORROW. GET OUT AND

ASCIT President

Phil Morgan

The decision to run for ASCIT President was not an easy one to make. During my years at Tech I have not made ASCIT one of my top priorities, and for a long time I felt quite alienated by ASCIT. At the same time I came into contact with many people who felt as I did toward ASCIT, some even more so. This alienation was not usually caused by ASCIT doing something we wildly objected to (though there were a few obvious and outstanding exceptions even to this); rather, what bothered us was that ASCIT seemed concerned with one group of students while ignoring what seems to be the vast majority of the membership of ASCIT. ASCIT offered us nothing so we had little to do with ASCIT.

ASCIT should certainly be a means by which small, interested groups of students can get grants for projects. The research center is an excellent idea. It should be continued. But it is not the last word in ASCIT responsibilities to the student body. ASCIT's budget must be distributed among projects and events that reach a much larger part of the ASCIT membership. ASCIT should be a profitable institution for as many students as possible. To do this the BOD must apportion its funds so that more money goes directly back to the students and not tie its finances to funding limited projects. ASCIT has access to about fourteen thousand dollars a year. This is not enough money to run both student affairs and other projects of limited appeal. My feeling is that this money should all be channeled back to the students. At the same time the BOD must be very active in requesting grants from outside of ASCIT. These could be used to keep the research center alive, to back a summer travel fund, to get the students abroad program not only in motion, but make it a reality and success. There are also grants which can be obtained for social activities and rebate programs. By maintaining a high level of activity in the area of requesting funds, ASCIT insures the representation of small interest groups. When ASCIT requests outside

funds, it will be forced to assume more responsibility in making sure that no financial debt is incurred. This is an absolute must. First ASCIT cannot afford to assume the lebt and secondly financial failures tighter in the future than it has been.

But ASCIT's roll only begins with the flow of money. The educational experience at Caltech is supposed to be one of the best, yet we all realize there are obvious flaws. An educational system has to be dynamic. What is an adequate experience in one year may be grieviously faulty the next. For a long time there has been a need for changes and additions to the humanities curriculum. ASCIT should move even more strongly in the future to press for these changes than it has in the past. Large scale changes can be made in the Caltech curriculum, such as the establishment of an applied physics option. ASCIT is the vehicle by which

Continued on Page Eight

Bob Fisher

ASCIT has seen some real changes in style over the past few years. It has swung fron occasional recklessness to virtual silence. I would like to see the Student Govt. active and visible, but a spokesman for some fairly downto Earth concerns here on campus. For instance, with regard to aca-

Some individuals can get a first-rate education here at Caltech while for others, the school offers little that is useful. Rather than forcing these "others" to leave, I think the Institute should expand its opportunities for research and independent study. Let the Divisions send some Undergrads to Seminars at JPL or San Francisco. Or on a more ambitious scale, maybe the Research Center can be funded for us to hire some Faculty of our own.

Relating to the current curriculum, I believe in "Credit/Non-Credit" instead of "Pass/Fail". The "F's" are not recorded.

We should investigate possible links between current Options and possibly consider a General Studies

The system of Humanities Credit should be revised to include a broader range of useful subjects, such as creative art, music, and

I think it is time that ASCIT recognized that Undergrads live in the Student Houses, and are probably influenced as much by House Life as they are by any of Tech's academic institutions. ASCIT should encourage more outsiders (like Faculty) to come into the Houses and simultaneously help on campus to get off-campus from time to time. I'd like to approach some Trustees to set up an endowment fund for this purpose. A student administrated (possibly by the IHC), bigger Huttenback fund, could rebate for movies, milage, or pay for theatre groups in the Houses.

On the subject of money, I feel ASCIT shouldn't fritter away its Social Budget on extravaganzas (though the stripper was admittedly worthwhile), but should help the Houses more with their own ski trips, camp outs and the like.

These are some of the kinds of ideas I've been thinking about. If elected, I'll keep trying to dig up new ones and let you respond to them through a weekly column I will jeopardize future requests, are not just ideas. I've been in ASCIT's control will have to be House and Campus affairs long enough to know how to begin trying to make them happen. I was a House Social VP, a UCC for two years, Secretary of the BOC, YMCA President and Vice President and I've participated on many Faculty Committees.

I think I have a good grasp of what things can be bettered at Caltech and what things should be preserved. I know Brown, Bonner. Huttenback. I am in a position to aggressively make sure that they do right by their students. And if you elect me, I will.

-Bob Fisher



ASCIT V.P. | ASCIT Sec'y

Leonidas J. Guibas The office of ASCIT Vice President carries a dual responsibility. The foremost and heaviest one is that of chairing the Board of Control. I believe that the BOC serves the Honor System best when it interferes with it the least. The Honor System should remain only a general moral principle and its interpretation mainly on the shoulders of the individual. It is exactly then that its contribution to the student body is greatest, when it is an incentive to a student to build his own moral code and abide by it.

I have been pleased to see in the past two years the Board become at least as concerned with the future of the individuals who come before it as with protecting and upholding the Honor System. I applaud this tendency and will support it in the future. This more careful consideration of the important cases may reqire, in terms of time spent, that some of the minor nonacademic cases be handled by another group and not the full Board. I hope that the continuing discussion on this issue, initiated by a few recent articles in the California Tech, will provide the BOC with adequate sampling of student opinion so that a workable policy can be obtained after careful deliberation.

The second responsibility of this office is being the Vice President of the ASCIT Board of Directors. My experience as ASCIT Treasurer this past year has convinced me that ASCIT has great potential for improving student life and education at Caltech. I am particularly happy with the present climate of increasing receptivity to student opinion among our faculty and administration. This was well exemplified to me in discussions I have had with Dr. Beckman, Dr. Brown, and several of our faculty during the consideration of the Immaculate Heart College question.

Unfortunately, on the other hand, ASCIT appears to have more and more lost contact with the student body. I think the next BOD ought to spend some time seriously discussing the possibility of restructuring ASCIT so as to make it more representative and more responsive. In the meantime I think it is imperative that the California Tech is regularly used to inform the student body about the activities of ASCIT, IHC, and the numerous faculty committees on which stusit. Communication is important.

There are two general directions in which I would like to see ASCIT go. Firstly I would like students to be given more responsibility and greater freedom regarding their education. They should participate more in planning and evaluating their training. A system of student evaluation of teaching can be useful, and I am presently working on one aspect of it, the establishment of awards for excellence in teaching. Extended research opportunities, alternate ways of satisfying division requirements, the Scholars program, the Study Abroad program, are all ideas I would like to promote pointing in this direction.

I would also like to see the houses more actively involved in the academic life on campus. More classes and seminars could be given

Continued on Page Nine

Wes Munsil

As ASCIT Secretary, I intend primarily to apply myself to the oft-lamented meaninglessness of student government at Caltech. The greatest problem confronting a new Board of Directors is the circumvention of the common occurrence of operation in a vacuum. The first steps toward the solution of this problem are these:

a. The calibre of the pre-BOD meeting agenda should be improved. Rather than publishing a collection of one-line descriptions of topics to be discussed, I purpose a collection of papers relevant to these topics, containing information and previous discussion about them. Such a collection will enable concerned people to come to BOD meetings with an increased understanding of those matters to be subjected to debate, thereby reducing the necessity for lengthiness at the actual

b. The readership of the BOD meeting minutes should be the entire undergraduate student body. I will consult the BOD about the monetary advisability of distributing copies of the minutes to all undergraduates; if it is feasible, it will be done.

c. Weekly articles in the California Tech, written by various members of the BOD, should explain facets of ASCIT's version of the democratic process, proposed programs, and so on. Questions for the BOD or a particular BOD member could be in the form of letters to the Editor of the Tech.

Once communication is established, the BOD can begin to function. I would like to work for the revivification of the Study Abroad program, for example. And conferences with department heads will provide material for a catalogue of openings for undergraduates in year-round paid on-campus research, which is often a satisfying way of becoming acquainted (and even familiar) with faculty.

Working for these goals is greatly simplified when the persons involved have experience in the operational details of their offices. Having served a year as Secretary of both Ruddock House and the Glee Club, I have the experience which breeds efficiency. I look forward to using it for the benefit of ASCIT. -Wesley Munsil

Horn&Kay— Ath. Man.

We would like to take this opportunity to submit our policy for the coming year. We plan to put the balls back in the jock, a task initiated by those wonderful jocks, Phil Morgan and Bruce Ault.

We wish to thank Tech staff members Philip M. Neches and Ira D. Moskatel for letting us express our views, and letting all ASCIT members "get what they paid for".

-Ron Horn -Max Kay

ACTIVITIES

The duties of the ASCIT Activities Chairman include the encouragement and support of assemblies and programs of various groups on campus as well as the entire student body. He also is a non-voting member of the Interhouse Committee and is Chairman of the Activities Committee. So it says in the ASCIT by-laws. But how are these words put into practice?

Primarily, the Activities Chairman must work closely with the ASCIT Director of Student Life and the Athletic Managers and Social Chairmen of ASCIT as well as the various houses. He must keep in communication with the entire student body in order to discover exactly what type of activities they would be interested in and would attend. I feel there is a good deal of evidence to support the allegation that ASCIT money is being spent on activities in which there is little student interest (with a few very notable exceptions). This is shown in the minimal attendance at these

I hope I will be able to act on the ideas outlined above and, as a result, bring the type of activities to Tech that it deserves. Paul A. Sand

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ASCIT Directors-At-Large

Doug Duncan

During my last two years at Glendale High School, I was an elected member of the student government. While such organizations are notoriously powerless, especially in Glendale, ours was able to cause the City School Board to completely reverse a decision (for the first time in its history), deciding in favor of the students rather than fiscal expediency. I know that it is possible to have a successful student government: it takes reasonable planning and a lot of work

I would like to address myself to one particular problem which undoubtedly confounds all governments: communication. In attending many of the BOD meetings this year, I have seen a surprising number of instances in which the Board was uncertain of the students' opinion, or else could not convince people that they spoke for the students. Even this information gap is small, however, when compared to that which exists between the students and some of the faculty and administration. One event which made this obvious was the lack of mutual understanding about the decision to admit up to twenty-five more students next year, with no specific provision for extra housing. The same lack of communication seems to exist right now on the Frosh Camp Issue. Lack of communication is not the only problem I have seen, but it is one of the most important.

As Director at Large, with few specific responsibilities, I would be in an excellent position to work on this and other problems facing us. I would also plan on coming around (for dinner?) to discuss such issues and hear random gripes. I feel that my experience in student govern-

ment and as president of a number of student organizations would help me do an effective job. I have a genuine desire to do this job successfully, and I would appreciate your support.

-Doug Duncan

John Brown

In keeping with the new look of ASCIT, I, John Brown, am a candidate for Director-at-Large. As Director-at Large, I would propose to make ASCIT more relevant to the needs of the students and the community. I hope that such a move would serve to broaden the education we receive here at Caltech. I believe that we should strive for a broad education because, in the words of John Kennedy, "If more poets knew politics, and more politicians knew poetry, I am convinced that the world would be a better place in which to live." And, after all, isn't that why most of us are here at Caltech¾

Many of you have asked how I propose to make ASCIT more relevant. I propose the following:

- 1) More activities that would bring Caltech students into contact with the community, such as science lectures at schools, YMCA participation, and social work.
- 2) more ASCIT-sponsored assemblies featuring big people in the community.
- 3) Revival of the ASCIT Research Center, with emphasis on improving the community through the use of science.
- 4) ASCIT-sponsored social events that would improve Caltech's image in the eyes of other colleges.5) A wider range of Humanities
- courses. I feel that a student can get more out of a course when he is able to take a course that he thinks is interesting.

I am not promising that I will get all of these programs into operation. However, vote for me and I will promise to work to the best of my ability to get these plans enacted.

-John Brown

Alex Wilson

For a long time I have been intensely interested in education in America, At most schools, however, one has little influence over his environment. In high school I found that the student body was utterly ignored in all but the most trivial matters. Thus, the opportunities which ASCIT provides for the Caltech student body to express itself to the rest of the Institute and to have its feelings given fair consideration in policy making seem really marvelous to me. To help make this situation as advantageous as possible to the student body, I am running for the office of Director at Large.

On ASCIT I wish to investigate and work on ways of making the students' work here at Tech more interesting and meaningful. Some possibilities are¾ making extensive independent work more reasonable, liberalizing general requirements, giving student interest more importance in selection of course topics and easing the tension caused by grading. These changes are extensive, however they are some of the things which I believe the Institute should be considering and which I wish to work on. Of a more immediate nature, the houses should be improved and expansion should be considered, lest the houses become the "freshman houses". If elected, I will appreciate students' feelings on these and other matters and will work diligently to represent the student body and to improve

Tech. Thank you.

-Alex Wilson

Greg Sharp

I am running for the office of Director at Large, because I am concerned about the way student government is run at Caltech, and believe I can significantly contribute to its operation. What ASCIT needs in this position is not someone who can recite a long list of Mickey-Mouse posts held in high school, but rather someone who is committed to investigating and carefully considering the important issues brought before ASCIT. He should be sensitive to the desires and interests of the student body as a whole, and be ready to communicate it to the board. Despite many jokes to the contrary, ASCIT can be both a useful and efficient organization to carry out your wishes--but not without individuals dedicated and interested in their jobs. This is my conception of what the job of Director at Large entails. If I am elected, I will go as far as I possibly can in fulfilling these ideas. I am ready and able to take on responsibilities of the job, and have the initiative to carry it out effectively. For these reasons I ask you to vote for me on February 20.

-Gregory H. Sharp

NOTICE:

In accordance with the ASCIT By-Laws, absentee ballots may be cast by anyone who expects to be absent on Friday. This can be done by seeing Neil Kopel, Elections Chairman, in 54 Blacker, any time before midnight Thursday.

Not to be confused with an absentee ballot is a proxy. By giving someone your proxy, you are giving him the power to cast your vote on Election day. If you desire to do this, you must give that person a written statement which includes:

- 1) Your name
- 2) Who may cast your vote
- 3) Which elections the proxy covers, including dates.

Such proxy votes may be cast only in Louise Hood's office from 1 to 4 p.m. so that they may be verified.

Thank you,

—Neil Kopel Elections Chairman

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Sic Transit Gloria Moskatel,,...
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BOC SecretaryDave Green

Why I run:

The position of secretary for the Board of Control is in no sense a pleasurable one to fill. It has its mechanical aspects in the keeping of minutes and records, but more importantly the mind-jarring aspects of sitting in judgement over your peers are distinctly uncomfortable. However, in my year as representative at large for the BOC I have come to find it a maturing experience, one that leads to an increased understanding of myself and other people. Serving on the BOC also allows me contact with the machinery of the Honor System, a part of Cal Tech I've come to value highly.

A Final Note:

This may very well be a year of change for the BOC. Certainly there are many problems, that need fuller discussion, discussions I hope that will involve the whole community.

-David Green

Dir. Academic Aff'rs Lorne Schachter

I tried not to take up too much of your time while I was visiting the houses, and I'll try not to do it now, but I would like to clarify some of my ideas.

One idea that I had was the abolishment of grades here at Tech. At a large school, they form some sort of means of evaluation. Here at Tech, though, after the freshman year, most if not all of the classes are small and the professor gets to know the students very well and can write a recommendation that will be many times more informative than a grade will be.

Another idea that I had was an extension of the Scholar's Program to all options. Biology has it now, where a student sits down with several faculty members and decides upon a course of study designed for himself. Physics is working on it now. By incorporating this program and effectively abolishing all required courses, a student at Caltech will be able to get an education that will be meaningful to him.

I would also like to see an expansion of the humanities department here at Tech for two reasons. First, it will give the scientist a much more well-rounded background when he steps forth into th world and second, it will attract to Tech a different type of person, one who is not interested solely in the sciences and will be able to shed a different point of view on the situation.

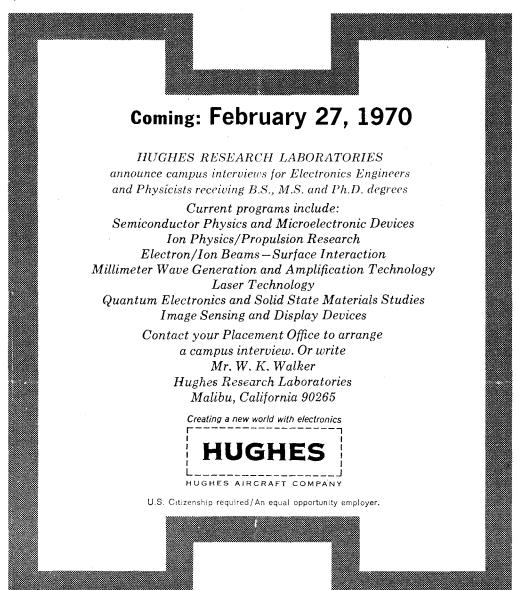
I'm also going to be open to any and all suggestions from the rest of the student body since a great many of the Techers that I've talked to do have some ideas about how they'd like to see education here at Tech improved.

Thank you.

-Lorne Schachter



Who is this person?



<u>Airport</u> Exigency Of a Number Of Concurrent Predicaments...

by Alan Lederman

Airport is a series of vignettes, rotating about a single situation. At a midwestern airport, a blizzard, bomb scare, and emotional crisis combine to produce various effects on our protagonists. The action may be dichotomized into two distinct modes; the first, meaningful drama where the film is a complete failure; and secondly, as entertainment at which the film is a complete

A pretense is made at verisimilitude during the earlier sequences. But the plots involved are rather shallow, the script rather verbose. I shall not delineate the various subplots induced, as those of you familiar with classical soap opera can well appreciate. Suffice it to say all the one-dimensional stereotypes so typical of the "soapies" are present.

I have reason to suspect much more could have been done using the germ of this film. One feels imbued with the atmosphere of the airport, a scene which is coming to be increasingly more familiar and more significant in American life. Heretofore, the jet age locale has not been used as an entity in its own right, but rather as a place of transit. The recognition of the apposition of the locale to many of our lives could have produced a movie with a serious message. But little is new in the film; the direction not particularly incisive; nor the script trenchant. An example of the one-dimensional banality might be "They don't call these emergencies; they call these Petronis; I'll get these planes off the ground if I have to use my teeth."

The choice of actors was unfortunate. Evidently producer Ross Hunter thought the choice of such actors as Burt Lancaster and Dean Martin would obviate search for the new actors who could have made the film a dramatic success. Take Lancaster, for example. His forte is the rugged, athletic mature man. Although his acrimonious personality is appropriate to his position in the film, he is not an appropriate choice for a serious character beset with marital problems. Casting Dean Martin, an actor with a comical method, as a captain noted for his asperity can only be described as egregious. Evidently studio management was not interested in an artistic, relevent, movie. Their purpose seems merely to have been to transplant the commercial success of the novel onto commercial success at the box office. To do this, "stars" were chosen, on the assumption that mere names can attract an audience. But each successive failure to reinforce expectations of the audience will make it more difficult for following movies to do so. This is not the answer to the travails of the major studios.

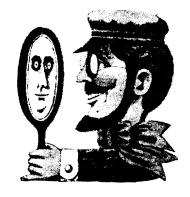
At one point during the screening of Airport an octegenarian was being chastised for stowing away on a flight. At this point the sound and visual were lost, eliciting a round of applause from the audience. The projectionist, at this point, was the true hero of the movie.

The Movie Improves

But alas! the tempo of the movie increased. The hustle of the airport, the exigency of a concurrent number of predicaments, and the exciting score combined to produce a terseness which held audience interest. Most films achieve rhythm visual effects and plot; in

Continued on Page Eight

The Tech



About Town

Look over my shoulder into the magic mirror. Join us & let it effuse.

Ash Grove, at 8162 Melrose in the big city, has Linda Ronstadt until Sunday the 22nd. Evidently no more Stone Poney.

The Golden Bear, which is in beautiful nearby Huntington Beach, has Illinois Speed Press and the Bernie Pearl Blues Band. 307 Ocean Ave., which is really Highway 101.

The Ice House, at 24 N. Mentor

in Pasadena, has Belland & Sommerville, as well as Chuck McCabe, until the 28th. See Frets and Frails for

Shelley's Manne-Hole has the Herbie Hancock Sextet just now, as well as Shelley Manne himself on weekends. 1608 N. Cahuenga. (Why did the Cahuenga cross the road?)

Troubadour, at 9081 Santa Monica Blvd. in Los Angeles, has Jennifer and Roy Harper this weekend. Randy Newman starts on Tuesday next.

The Whisky A Go Go is for music and dancing. Towards this end, they have Blue Cheer and Bangor Flying Circus thru the 22nd. John Mayall starts on the 25th.

The following special events are in order of time and place, partially alphabetized, in code.

The El Camino College Auditorium has the Phakavali dancers this Friday, followed by the National Ballet of Washington D.C. on Saturday. Operatic singer Elisabeth Schwarzkopf rounds out the triple header on Sunday. The place is at Crenshaw and Redondo Beach

The Pasadena Civic Auditorium is busy for a while, starting with Jose Greco on the 20th. Ferrante and Teicher appear and play on the 21st. Reserve your tickets now for Fred Waring and the Pennsylvanians on the 26th.

Bovard Auditorium at USC has the Erick Hawkins Dance Company this Friday and Saturday.

The Dorothy Chandler Pavilion of the Music Center has a wierd assortment coming up. This Saturday, Jim Webb (writer of "Up, Up and Away," "By the Time I Get to Phoenix," and "MacArthur Park") is there. Charles Aznavour, also a singer-songwriter, is in concert on the 27th and 28th. From these heights, it drops back to Fred Waring and the Pennsylvanians on March 4th.

The Long Beach Auditorium is featuring the Jose Greco show on the 21st, followed by Fred Waring etc. on March 3rd. If they aren't there, look next door in the Long Beach Arena.

The Valley Music Theater in Woodland Hills has Rick Nelson and the Flying Burrito Brothers in

concert on the 21st.

The Loyola University Memorial Gymnasium has the Sunshine Company at 8 p.m. on the 21st.

The Santa Monica Civic Auditorium has Jose Greco on the 24th, followed by Santana and Elvin Bishop on the 28th.

The Azusa Pacific College Auditorium is having Glen Yarborough on the 26th and 27th. It's at Azusa Pacific College.

Bridges Auditorium at Claremont has Judy Collins on the 28th, the last of her three local concerts this

Last, closest, and certainly not least, Sexson Auditorium at nearby PCC has Gordon Lightfoot in concert on the 28th, if you don't have a car to get to Claremont.

For listings at the Music Center and other continuing events, I suggest you check a bulletin board.

This announcement is separate for emphasis, not because I forgot. O. C. Smith is at Beckman Auditorium on March 1st in two concerts, one afternoon and one evening. Go see it. (Them?) (Him?) Oh well.

"Fourth?"

by Robert Geller

North S J 9 3 H 5 D K Q 7 3 C K 10 8 3 2 West East S 10 8 4 **S** A 6 5 2 HQ942HAKD J 8 2 D 9 6 4 C Q 6 C A J 7 5 4 South SKQ7H J 10 8 7 6 3

Both Vulnerable

D A 10 5

C 9

The Bidding: North East West South Pass 1H2C Pass Pass 2HPass Pass Opening Lead: two of spades

Part score contracts seem so insignificant compared to games and slams, but they are the real bread and butter of bridge. They require much more skill to defend and play than higher contracts, since there are so many more choices to make than on a higher contract.

Today's hand, played in the Master's Pairs at the South Gate Sectional, shows the difference between expert and ordinary between top-caliber players, Generally one needs only fifty master points to play in a so-called Master's event, but for some reason the South Gate event attracted about half of the Southland experts. not as uncommon as it

generally is.

Both North And South took aggressive action during the bidding. South opened one heart on a hand that many players would (incorrectly) pass, and North bid two clubs with the values for only one no trump. However the final contract of two hearts is by no means unreasonable, needing only reasonable heart splits or a sleepy defender who forgets to take the ace of clubs.

No Hippogriffs Partner?

The West hand is not the kind that anyone likes to lead from, since all suits are unattractive to lead. West eventually settled on the two of spades, hoping to have a better idea of what to do when he got back in. Declarer won the spade in his hand and led another spade, knocking out the ace. West shifted to a low diamond when he got in, giving both defenders the sad news that they did not have any diamond tricks coming.

When declarer led a heart from dummy East could tell that the only other side suit trick the defense could take was the ace of clubs, since West certainly would have preferred to lead a singleton club if he had one. So West led ace and another club, giving declarer a totally superfluous club Declarer came back to his hand defense. The title Master's Pairs with a spade and ducked a heart implies that the event is fought out around to East. East took his other high heart and led a third round of however that is rarely the case. clubs, promoting a trump trick. If declarer ruffed with the jack or ten West would wait for his two trump tricks with the queen and nine sitting over declarer's remaining honor; otherwise West would ruff As one might expect, good defense with the nine and cash the queen of trumps for the setting trick.

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TED ANDERSON

The Critical Left Ear

THE NEON PHILHARMONIC, by approximately the same group; Warner-Seven Arts 1804.

This album is basically by the same group who had the hit "Morning Girl" a few months back. The problem is, there is never any guarantee that the quality of overall music will be consistent from record to record, because only two members are definitely around.

Don Gant does all of the singing for the group, and he has an extremely pleasant voice. His contribution to the group is fantastic. Tupper Saussy does all of the writing, arranging, and conducting for the group. That's right, conducting. You see, there are about twenty-six performers on this album, including the strings and brass. The whole thing comes off quite well, but the whole thing is still Tupper and Don. The lyrics even read well on the record jacket, a true rarity. The music written by Tupper Saussy is excellent, and he has the chance to really play around in a short piece at the end, "a short national anthem for rent to emerging nations" tentatively called "The Mordor National Anthem."

Anyway, it's a good album, and I suggest you listen to it, and get a copy if you like it.

-Nick Smith

JAMUL, by the group Jamul; Ampex/Lizard A10l0l.

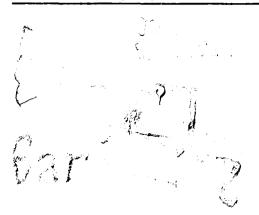
Unfortunately, the group and record called Jamul are just as obscure as the California town that they seem to be named after. They are a blues-rock group, and this album features things like "Tobacco Road," "Long Tall Sally," and "Jumpin' Jack Flash." There have been better renditions of all of these, and the only reason that this does not hold true for the whole album is because members of the group wrote the rest of the album, and no one else has recorded them.

Don't get me entirely wrong! They aren't as bad as, say, Wild Man Fisher or something, but they are not very good either. They might turn out to be very good lyricists. What parts can be understood over the instruments seem to indicate some talent. Their playing style, however, seems to be drawn from the worst of the Stones and the Band, plus something else I can't identify. I think it was attempted Deep Purple, which is a misdemeanor to begin with.

The only thing I can think of that this album would be good for is if you couldn't afford a live band for a dance, and didn't want something people would feel obligated to listen to instead of dance. Otherwise, don't bother.

-Nick Smith





B ODD K I N S

what was so infuriating to Ravel's

turn-of-this-century audience; Bolero

is a long theme (14:19 here) with a

driving melody line (pushed to

almost maniacal extremes,' to quote

the record jacket, but not unplea-

other cuts on this record often

show qualities of melodic line

evoking pastoral, varying, or excited

moods. Perhaps the most significant

part of Ravel's talent was his ability

to vary between quiet and excited

passages; Bernstein uses a slow

buildup of volume and intensity in

Bolero to demonstrate this, much to

the annovance of those listeners

who dislike having to alter volume

controls during the middle of a

and Ormandy directing, there is no

room to quibble about technical

competence, and only differences of

interpretation could disturb the

listener. I'm not partial to brass

smears myself, but any

Ravel-appreciators in the audience

-Ed Schroeder

should try this one.

With people such as Bernstein

Ravel was very versatile; the





GERSHWIN'S GREATEST HITS, Leonard Bernstein, New York Philharmonic; Eugene Ormandy, Philadelphia Orchestra; Andre Kostelanetz and His Orchestra, Oscar Levant, Andre Previn, Columbia MS 7518

All good Gershwin records select from the four best-known of Gershwin's synphonic 'hits': Rhapsody in Blue, American in Paris, Porgy and Bess, Concerto in F. This one selects all four, which by definition makes it a winner. Only the Finale of Concerto in F is included, but any recordings at all of this piece, which was once selected as the only American composition in the 100 greatest compositions of all time, are all too infrequent.

The cast of performers presented on this recording is worthy of the honor of presenting Gershwin. The quality of performance was uniformly excellent. The only possible quarrel I would have with interpretation concerns tempo: Rhapsody should not be rushed through in only 16:26, and some of the beautiful solo passages emerged blurred.

The technical recording was done well, and the record would probably sound even better on a better set than mine. No Gershwin collector should miss this one, and any of you out there who aren't familiar with him could do worse than start with this one.

–Ed Schroeder

RAVEL'S GREATEST HITS, Leonard Bernstein, New York Philharmonic; Eugene Ormandy, Philadelphia Orchestra, Columbia MS 7512.

Not every musical composition can claim that its initial performance caused an audience riot. This dubious distinction belongs to Maurice Ravel's *Bolero*, the first cut on this album, a Columbia 'Greatest Hits' series record. Modern-day audiences would probably wonder

THE MUSEUM 103 SO. FAIR OAKS PASADENA



THE MUSEUM is an international folk dance cafe in Pasadena that encourages the pleasures of ethnic dance and music. The most esoteric requests can be filled, while the more common joys are sensitively provided for: meeting friends, playing chess or backgammon in the patio, or simply mending frayed nerve ends over a cup of coffee. The mood is casual, the people are warm and enthusiastic.

an international folk dance cafe open Tues. thru Sun. 8:00 p.m. 792-5439

Beginners Class – Fridays.

Choir Boys Came, Saw, and Conquered

by Ursula Hyman & Paul Levin

On Wednesday evening the Vienna Choir Boys brought their own brand of musical entertainment to Beckman Auditorium, and held a capacity crowd spell-bound for over two hours. From their opening number, "Sound the Trumpets" by Henry Purcell to the end of the fourth encore the only sounds to be heard in the auditorium were those twenty-two beautiful voices.

The work "Sound the Trumpets" was particularly impressive because it was performed in a range reserved almost exclusively for mixed choruses. With their yet-unchanged voices the "sopranos" in the Choir were able to perform their part a full octave above where the part would be performed by first tenors in a four-part male arrangement.

This type of choir has its drawbacks, too. Voices change with very little warning, and this event is taking place earlier in the singer's life. The audience could see that one of the singers in the Duet from Handel's Occasional Oratorio would not last much longer; it was already

becoming a strain for him to reach the highest notes although some of his younger companions would have had no difficulty in doing so.

Modern, Too!

The Choir next turned to more contemporary music by Zoltan Kodaly. The two songs had almost Mother-Goose-like lyrics (in German), but were performed so well that this mattered not at all.

The director, Albert Anglberger, concluded the first part of the program with his own arrangement of the text of the 131st Psalm. The music has a pleasing dissonance quite in line with a psalm of humility, and who could better sing about the meekness of a child? The style reminded one of "The Eyes of All Wait Upon Thee" by John Berger.

What Girls?

The second section of the performance consisted of a one-act operetta by Conradin Kreutzer By Royal Command. In this production the boys with the highest voices took the female parts and acted them surprisingly well. The female lead looked convincing even when performing less than twenty feet away! The villain was the most adorable little fellow, and he managed to give what English lines he had with such finesse that the audience was rolling with laughter. (The operetta was sung in German but spoken in English.) All the while Anglberger was working furiously at the piano, in the secure knowledge that while anything could, nothing would go wrong. His faith was justified, and even through the curtain call the audience was so submerged in the action that the true identities of the "females" no longer bothered them.

Finally

The third part presented the music for which the Vienna Choir Boys are most famous, that of Austria's own composers, some of whom were Choir Boys themselves. Both Franz Schubert and Josef Hayden were members of this group, which was founded way back in 1498 by Maximillian I, Emperor of the Holy Roman Empire. Two beautiful Schubert songs were followed by three Austrian folk songs. Whoever arranged these numbers managed to make them sound full and round without sacrificing the delicate quality required by such music, especially in Meadow Rose ("Sah ein Kind ein Röslein stehn. . . ."), a sweet, innocent love song.

As no performance would be complete without a work by Johann Strauss, the Choir next sang *The Blue Danube*. If the chairs in Beckman could have disappeared just then, the Auditorium would have been instantly filled with dancers, compelled by the music to follow that three-four time.

Though this was to have been the end of the concert, the audience begged and pleaded with their applause, and the group returned to the stage. But once wasn't enough, twice wasn't enough, even three times wasn't enough to satisfy them. If the audience's arms had not gotten tired, they would have stayed there all night, but it had to and did so after the fourth encore.

Look At Me

Throughout the performance the discipline was amazing. Twenty-two sets of eyes continually watched the director whether he was leading them through a difficult a capella number or accompanying them in the "simplest" piece. One amazing fellow turned the pages during the accompanied numbers even though from where he was standing in formation he could not see the music so as to know when to do so—he had memorized all of the page turns!

After the performance the Tech Music Staff interviewed several members of the group and found that they were enjoying their visit to Southern California immensely. They had spent the day at Disneyland and had visited Booth Computing Center before their concert. At Booth they had been shown the CITRAN terminals, the paper tape punching machines (yes, we have some!), and the "hole-typewriters" (key punches). One of them asked if the students were allowed to play on those funny typewriters.

What A Life

Choir boys are chosen at auditions and are also selected on the basis of academic stability. The singers, ranging from eight to thirteen, understood that they had to study hard because as soon as their voice changed, they would return to their homes, families, and public schools. In order to keep the boys competitive with their agemates at home, they attend private school (classes no larger than six) in the same palace in Vienna where they live, eat, and study music.

One might expect that a group such as this would have to study music from dawn til dusk seven days a week, but it really takes only two hours a day. In addition to chorus work this includes private voice lessons. Neither does it take them very long to learn all of the music. One nine-year-old had joined the Choir Boys only three months ago! The entire group numbers about one hundred. Thus, by sending out groups of from twenty to twenty-five on three-month tours, everyone goes on tour during the course of the year, and seventy or eighty exist in Vienna to perform with the State Opera and to sing Mass every Sunday morning at the Augustinerkirche, the former church of the Hapsburg family.

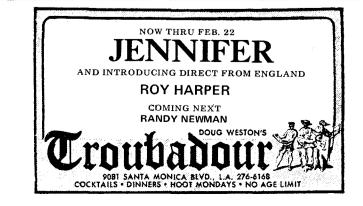
Rain, Rain, Go Away

The director, Mr. Anglberger, also appeared to be enjoying his stay in Southern California. He could have wished for a little more sunny weather, though; not only had two of the boys had their voices change, but half of the rest had caught colds. On the preceding days the group had performed at the L. A. Music Center and at the University of Redlands, they were staying in Hollywood that night, and he didn't know where they were going the next day. In other words, he really needed a free day.

Mr. Anglberger, if your group can sound like angels when tired and not entirely well, we would really like to hear you when you're all awake and healthy!



I DON'T GET IT..... THIS GUY SIDLES UP TO ME, SLIPS ME A WAD OF BILLS, AND ASKS ME TO MAKE "A LITTLE WISTAKE" WHEN WE'RE ASSIGNING THE GIRLS' ROOMS NEXT YEAR......



IHC Chairman

Steve Bankes

I have chosen to run for office

this year because I have come to

believe that there are many parts of

the Caltech experience which are

agreed to be unsatisfactory, which

continue simply because the student

body does not take the initiative in

suggesting changes. Caltech is

changing. If the future Caltech is to

be more to our liking, it is

necessary that we decide just what

we want, and then pressure for

those things among the administra-

tion and faculty. Interest in this

problem cannot be confined to any

group, it should be the concern of

everyone. It is in this area that I

believe the IHC has a potential it

has never realized. There have

always been a broad class of little

problems involving day to day life

in the houses, which have never

been large enough to get attention

from our activists, but which none

the less are irritating. In the

overcrowding of the student houses

and the parking problem, I identify

two of these little problems which

unattended have grown large. I'm

interested in things like getting grass

on the olive walk, and in the

student house residents deciding

how they want the houses changed,

rather than having those changes

decided and imposed by someone

who doesn't have to live with them.

These problems are one place I see

the IHC as doing more than just

deciding interhouse eligibility. I

cannot in good faith promise a

cataclysmic change in the nature of

the IHC if I am elected chairman,

but I can promise to do my best to

-Steve Bankes

secure a change of direction.

Don Smith

I am a candidate for IHC Chairman. I am a candidate primarily out of an interest to preserve and improve the House system. I also have found in my term as Secretary of the IHC that I enjoyed working with the House Presidents. The House system has come under a lot of criticism recently, much of which is deserved. But, I have enjoyed campus life and I am sure others have. The next year will present several problems to be solved, and I would like to work for their solutions.

The Houses will face the problem of accomodating twenty-five more students. The administration and the Faculty Committee on Student Housing seek to alleviate the problem by the establishment of a half-way house, by aboloshing the requirement for freshmen to live on campus, and by setting absolute maximums on House capacities.

I support all these actions. The half-way house will probably be more successful as an experiment in living, certain aspects of which may be incorporated into House life. I support the abolishment of the frosh on-campus rule as I am sure that many people do not profit from campus living. I think all should try it though. Restrictions on House capacities will ultimately solve the problem but I find it undesirable as a long range solution because it may prevent people from living on,

The Student Houses also face the problem of the influx of women, and the consequential rehab of the south complex. I wish to prevent another late completion as occurred in Fleming. What will be the woman undergrads' role on campus? What are the effects of women in the Houses they live in and on the others? These questions must be answered. I wish to preserve House spirit and individuality and oppose the evolution of coed Houses into coed dorms!

The problem of rotation is a constant in the life of IHC Chairman. Rotation and initiation must be structured in such a manner as to facilitate the mixing of frosh with upperclassmen. Traditional initiation is hampered by administrative dictates so something new must be found. Through discussions with House Presidents I hope to find partial if not complete

These are the areas I am sensitive to and think need attention. At the same time though I, if elected, will discharge the routine duties which keep us from going backward.

-Don Smith

Airport...

Continued from Page Six

Airport, the effects are auditory. The electronic, clipped dialog of the controllers, the noisy altercations between the protagonists, and the cacophony of the air traffic synthesised a most exciting beat. The suspense builds, one forgets the previous weakness of the film and the ethereal connections between the plots, and waits anxiously for denouement. This comes violently, in the sky, as a bomb explodes on a plane. The movie continues the high tension until its conclusion.

In the balance, then, one can say director Ross Hunter has in some sense expiated his sins. Airport is fine entertainment but shallow as dramatic art.

ASCIT Treasurer

Bob Siegfried

The office of ASCIT treasurer has two very important aspects. First of all, the treasurer must handle the somewhat routine but nevertheless necessary matters concerned with the finances of ASCIT. This is not an exceedingly difficult task, but it does require a certain amount of responsibility and excess time. My previous experience here at Tech has indicated, at least to me. that I have both of these qualifications, or I wouldn't be running.

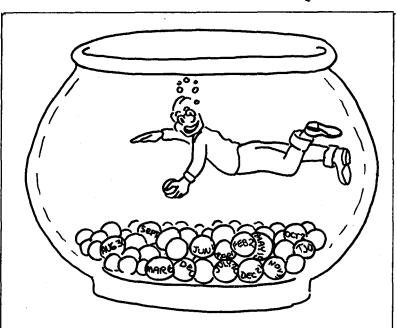
Secondly, and probably more important, is the position of the treasurer on the ASCIT BOD. The treasurer has a certain amount of influence on decisions concerning the allocation of money to various projects and activities. In this capacity, he can act as an overall restraining force on ASCIT spending, and help to insure that projects are well planned and desired by students before money is allocated to them.

If there is one thing that people seem to agree on, I think it is the fact that ASCIT in it's present state does not relate to a large number of students in the ways that it can and should. At the very least, this calls for more diversity in the projects which ASCIT undertakes and more effective channels of communication between ASCIT and the students. In fact, I think that the possibilities of broadly restructuring ASCIT to be of more use to a greater number of students should be fully explored.

In conclusion, I would like to say that I feel that ASCIT has great potential as an instrument for the change of the numberous ideas of techers into reality, and I would like to see this potential realized much more fully than it has been in the past.

-Bob Siegfried





HOLD ON, BUDDY! THERE'S A BETTER WAY TO DO IT!

If you've still got two years of college to go (grad or undergrad) and you're swimming in old Uncle Sam's "fishbowl," you can still go first class. . . . as an Air Force Officer. There's a two-year ROTC program at CIT offering:

monthly mad money free flying lessons

free boots

free summer camp in luxurious resort surroundings

free beer

Find out the details from the Department of Air Force Aerospace Studies betwixt the CIT Coffeehouse and Noyes Lab.

Terry LaGrone

The office of ASCIT Treasurer needs a man with experience and integrity to be responsible for the accounting of ASCIT Finances. The routine job of keeping track of the money, however, is secondary to the job of upholding the financial integrity of ASCIT. The structure of ASCIT encompasses nearly all phases of the non-academic activities of the students. The social program, the Glee Club, the athletic program and the many other phases of student life are in part or whole financed by ASCIT. As treasurer, I will seek to balance all programs according to their needs.

In the last year, ASCIT has taken on new responsibilities for the Research Center. The operation of the Research Center as a connected part of ASCIT must be put under sound controls that will allow it to function freely, yet responsibly. As ASCIT treasurer, I will strive to keep the Research Center under competent financial administration. If a new summer project is funded, I fully expect to keep a watchdog eye on it during the summer.

As an active member of the Board of Directors, I will increase the ties of the Board with all of the students. Increasing the role of the students in the major changes of the Institute is a necessity. It is important that all students- not just a few- are represented when major policy decisions are being made.

> Terry LaGrone ## \$1

Morgan Continues

from Page Four

in the houses. Faculty might be invited to stay longer than simply for an evening. In the Academic Policies Committee of the faculty the possibility is presently discussed of having paid upperclass tutors for freshman groups within the houses. This could be a more than adequate substitute for the present system of recitations. So indeed, within the limits set by the high academic standards of Caltech, there can be many possibilities.

Secondly I think ASCIT should try to diversify the rather monotonous environment in which Caltech students live. Besides social and cultural events, the fund raising know-how of the Research Center can be used to start projects that will involve the Caltech student in the social problems around him as it has done in the past. The leadership for these projects can and should lie outside of ASCIT itself. The BOD should establish tighter financial control in the future and make sure that preoccupation with any single project does not result in neglecting its regular duties.

Finally, leaving behind all activities and projects, let me simply say that ASCIT is not going to succeed in its role as student government unless it can find support among the student body. An ASCIT officer will do hardly more than his rudimentary duties unless he finds some encouragement for his ideas. The facination with changing Caltech for the better can easily die have power. Since they have this power they can respond to student problems in such a way as to bring about solutions. If they can, they must! This should be their single most important reason for existence. Each of the BOD members must go out of their way to talk to the students both on and offcampus and learn their ideas. Then the BOD must present and push the best of these ideas.

-Phil Morgan

Have a date? Want to lose your room-mate temporarily? The back room at the Coffeehouse is now open!

the

Every Night

9 pm-2 am

Tech Editorial Team

California Tech is unopposed this controversial personalities and we year, we are going to use this space to outline some of our goals and objectives for the coming years, as well as to state clearly what we think will be the problems to face in expanding and improving the weekly coverage:

As must be fairly obvious from the newspaper this year, the Tech is very different this year from what it has been in the past. Our primary goal is to expand the Tech from a small college newspaper with small college articles into a publication covering as broad a range of news and entertainment as is possible. We have started by extending the length of the newspaper and establishing definit departments for news, feature, entertainment, and sports. We have regular coverage of all the major sports events as well as features on particular sports. Our feature and entertainment editors

Since this team of editors of the are lining up interviews with will begin to include in each issue one of these interviews.

Several ideas are being considered for next term in varying degrees of probability:

1) Feature syndicate - Attornies are now drawing up the legal details for our own distribution syndicate in which Tech staffers' articles, and columns will be sold to other papers for publication. They syndicate will soon be a reality; the only element of chance is the number of publications who will buy our service. This will enable us to send writers out on assignment on topics of a more general nature.

2) Expanded entertainment coverage - The entertainment editors have already started to get regular coverage of new movie previews as well as pre-publication copies of books and records. This

Continued on Page Ten

Wright & Logan Classify

Continued from Page Two

could be of any form, including Class IV-D: financial, emotional, physical, and psychological.

Class IV-A:

Registrant with sufficient prior active service or who is a sole surviving son. This is an automatic deferment if the registrant is the sole surviving son in a family of which either the father or one or more brothers or sisters died while on active duty or as a result of a service connected disability. He still qualifies even if his parent or parents remarry as long as he is the only son left from the original marriage.

Class IV-B: Official deferred by law. Class IV-C:

Alien not currently liable for military service. This includes an alien who is not on permanent resident status and who has not remained in the United States more than one year. In addition, a permanent resident alien who leaves the United States and notifies his local board of such is classified IV-C until his return (immigration law allows one to leave the country for up to one year without losing permanent resident status).

Minister of religion or divinity student. A minister must be a minister by vocation, with a congregation, etc., who devotes a majority of his time to the ministry. A student must be either currently preparing for the ministry or be pre-enrolled in a theological or divinity school (that is, attending a non-divinity school under the direction of a recognized divinity or theological school).

Class IV-F:

A registrant not qualified for any military service.

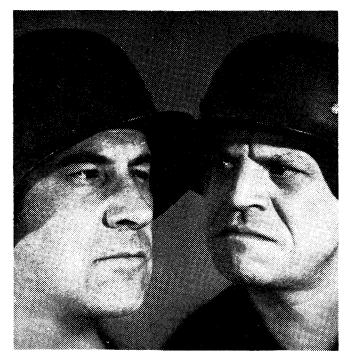
Class V-A:

Registrant over the age of liability for military service (this age is 35 for most registrants).

CORRECTIONS

Instead of what was listed in the article on conscientious objector status (Feb. 12, 1970) the following are the recommended materials: Handbook for Conscientious Objectors (\$1.00, Central Committee for Conscientious Objectors) and Face to Face With Your Draft Board World Without War (\$0.95,Council).

ADVERTISEMENT



Why are these men laughing? Find out on The Don Adams Special: "Hooray for Hollywood"...brought to you by Budweiser, the King of Beers. Thursday, February 26, CBS-TV, 8 p.m. EST.

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Director of Student Life

Alex Seita

Addressing the Student Body:

In another month, a new Director of Student Life will take a place on the BOD. His attitudes and ideas could tremendously affect the student life at Caltech. Because of that possibility, he should explore relentlessly for programs and events which stimulate and help the Caltech student in living an endur-

I will do any conceivable thing to make our lives more variegated and interesting. To achieve such a life, I will work for the availability of transportation for ourselves over the weekends, perhaps from ASCIT owned vehicles or a car rental service. I will work to obtain sources of funds for our social events, and these events will involve guest speakers, various concerts, subsidized club or group activities. Any project or activity that involves the betterment of ourselves, be it psychologically (i.e., copious numbers of women), philosophically (i.e. interest tests), etc. shall receive my support.

At other schools, students might have ingenious methods of enriching campus life . . . I am prepared to uncover these methods, to see if any are applicable to Caltech. There is a Caltech publication, Reflections on Several Worlds, relating the impressions of seven students who visited various campuses on the East Coast . . . based on their observations, these students made suggestions towards improving the Caltech environment . . . I believe some of these suggestions are worth pursuing. I also believe in the importance of knowing what happens at other colleges and will accumulate accurate information for that purpose. I think we'll find this information interesting and helpful.

Besides these beliefs, I'm concerned about the frequent impersonality and bureaucracy of the ASCIT government. Often, we are unaware of the BOD affairs, our leaders' fiascos or successes. Often, we are ignorant of the profound or superficial motives decisive in BOD decisions.' If elected as the Director of Student Life, I will be a regular visitor to each of the houses. You will hear me talk about BOD affairs, and I will listen to your responses.

Essentially, I am offering a contract to you; in exchange for the position I am seeking, I will give you part of my life. If elected, I will serve you well.

-Alex Y. Seita

Andrew Wardrop

The position of Director for Student Life, for which I am running, has only been in existence a year. Some of the more important qualities demanded by this office are flexibility and imagination, as there is not yet sufficient precedence by former Directors to make the job routine. The Director should be able to adapt to the changes which will take place, for instance when the girls are admitted next

I would like to see Tech become a more interesting and better place to live and learn. I feel as much or more of a college education can be obtained outside a classroom than in. I would like to see more diversity of viewpoint around. As it is now those of us who live on campus are surrounded by scientists. We are not getting the benefits of exposure to different contemporary philosophies and ways of thinking. The boundaries of the known world are not the edges of our campus. There are a lot of interesting and important people who are not

It would be unrealistic of me to pretend I have specific plans to overcome these problems. What I can say is that these are the goals I would work toward. I judge a program by its effectiveness, which means I do not favor completely things like the present ASCIT teas, which have a limited attendence.

Caltech is a great place to obtain scientific knowledge. I would like to see it also be a great place to get an education.

-Andrew Wardrop

Miller.

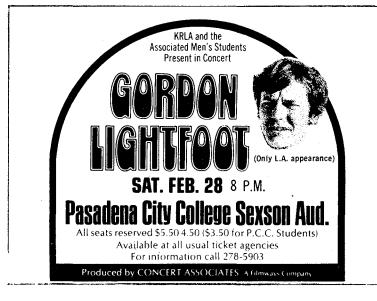
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thin, and form such a great convoluted mass that the animal can hardly move, so it has photosynthetic cells. There is only one radiotelescope squid in the world at the moment; it is about a million years old and is quite large. Because of the photosynthetic cells it was long considered a plant, and was called the Sargasso Sea.

Eats Snow

The third animal is called the Gormenghast. It has three independent body parts and lives in the Mervyn Peaks in the far Land of the Twenty-two Gates, where it subsists on snow and chalk."

TW BOTH SHIET IN CALLY



ASCIT Sec'y

Ben Barker

During the coming year there will be many opportunities for beneficial change at Caltech. The introduction of undergraduates with (hopefully) interesting structural features is clearly a major event by itself, and the manner in which the transition is effected will play a large role in the development of Caltech for many years.

Something also needs to be done about the number of students who become disillusioned with science after they come here. I feel that as an institution of learning, we have a responsibility to see that undergraduates here get to see what research and technology are really like, without having to wait for two or three years. Students should be able to make a decision about their futures on the basis of accurate information rather than as a reaction to classroom boredom. One proposal for dealing with this problem is an experimental restructuring of the course of study of some of next year's freshmen which would put them in contact with grad students and faculty who are actively involved in research and development. Any consideration of this idea also raises the question of academic standards in general, and

Continued on Page Ten

Guibas Concludes

Continued from Page Four

student requests and needs with respect to education at Caltech can be presented. This is a strength of ASCIT that has been noticeably lacking in past years. The next BOD must confront these types of problems, because now is the time to make changes.

I feel that ASCIT should take a more active role in the future planning of the campus. The future design of the housing complex and to some extent, the entire campus should be the concern of the student body. Waht is the future of the bookstore and of Winnett Center, how will parking be allowed for in the near future, how can we avoid overcrowding in the student houses and maintain the good qualities of on-campus living? Possibly the most urgent issue to be faced by ASCIT is the size of incoming freshmen classes. I have heard much feedback of fear that the crowding of the student houses caused by larger freshmen classes will drastically alter house life, especially in the new houses. This problem must be handled and handled quickly.

There is a large body of questions dealing with student life that ASCIT must handle if the students are to be represented. In the past this has not been done effectively, but this can be changed.

To sum up, we must realize that ASCIT does have a fair amount of power. It is not clear to me whether the BOD desearves this power or not but the fact remains, they do away. Although Caltech is small and communications are easy, its inertia to change is proportional to its apparent academic excellence.

So therefore, if you approve of my ideas, I ask you to not only vote for me for ASCIT Vice President but to also support me afterwards. Because in the final analysis any sophisticated structure that can be set up does not matter. It is only you and me, the concerned, involved individuals that can ultimately change things for better or worse.

-Leonidas Guibas

Browns Speak on SALT, Students

experiences as a delegate to the Strategic Arms Limitation Talks in Helsinki, Finland, last December. Also, Mrs. Brown, who accompanied her husband to Helsinki, told of student life at the University there.

After warming up an audience of about one hundred with some preliminary anecdotes, Dr. Brown delved into a prepared text, which was similar to one for a talk he gave to a businessmans' group last week.

Dr. Brown expressed concern that we expect a great deal of rapid progress at the talks, but that guarded optimism may be warranted. The United States and the Soviet Union both possess the thermonuclear power to sustain a devistating attack from the other, and devistate the attacker in return.

The former Air Force Secretary implied that defenses against intercontinental ballistic missles, such as the ABM, would not be of great value in a thermonuclear war because, while some incoming missles (perhaps one third) could be intercepted and destroyed, the Soviet Union and the United States are each capable of launching enough offensive missles to insure

Dr. Harold Brown, President of that a significant number would Caltech, spoke yesterday of his penetrate any defense system. Thus, catastrophic damage would be done anyhow.

> Despite its seeming precariousness, the "balance of terror" theory seems to have maintained a stable situation in the last twenty years, Dr. Brown said. However, as more nations acquire nuclear capacity, the situation becomes more complex, hence less stable. Dr. Brown hoped that a remedy to the proliferation of nuclear capability could come of the SALT talks, as well as of other action.

> On a far less ominous note, Mrs. Brown described her visits to the Uniersity in Helsinki. According to her, the students own their housing and recreation faculities through their Student Union.

> The Student Union, she reported, dates back to the 1880's, and owns a complex of restaurants, shops, meeting rooms, and everything else imaginable in a unique Student Union Building. During summers, Mrs. Brown said, the Student Union is used for conventions, since it can accomodate several thousand at a time.

ASCIT, take notice!

Tech Editors

Continued from Page Nine

may eventually take the form of a four page supplement on a monthly basis, in magazine format, in which the latest books, plays, and personalities are covered. If it is good enough, the whole supplement may be syndicated.

3) Features on other campus life Arrangements are now being made to get together with guys and gals from other schools recently turned coed as well as to live in other dorms for short periods and report on attitudes and personalities elsewhere. How much of this is implemented depends largely on time and funding.

4) National magazine parody -(next year) In the works now is a parody of Scientific American similar to those done in recent years by the Harvard Lampoon. Over the summer we will try to get national advertising. Since this is a very

expensive project, the amount of advertising will determine whether or not it is actually done. There are lots of great ideas for stories and plenty of writers. It will be on magazine stock about 64 pages, part in color. Wish the project luck!

Now comes the traditional pitch. As we have pointed out many times, the Tech "Staff Wanted" ads are for real. It takes a lot of work to put out our newspaper. Some of it is interesting; some is pretty dull, but necessary. Writers are always welcome, production assistants are welcome with ecstacy. These ideas are ambitious. It is only with plenty of "good ole elbo' grease" that we can continue to produce what we believe has become a fine journalistic endeavor.

> −Ira D. Moskatel Philip M. Neches Paul A. Levin

CEAC Coalesces for Hike

by Paul T. Wegener

The first CEAC trip was more-or-less organised, executed, and accomplished this Sunday, when twenty-three motley Techers, females, and one professor coalesced at Crystal Lake Camp in the Angeles National Forest. The trail led them slowly, quietly through live and white oak groves, then tall cool Ponderosa pine stands with thick needle cover. As the valley the trail began steepened, switch-backing through drier brush and mixed pine and fir stands until for the last half-mile, like a Chinese scroll painting, it clung to the face of the mountain, blasted out of the solid rock. Everyone made it to the Windy Gap, a sandy break in the divide of the San Gabriel Mountains, and ate their Food Service lunches, munching, laughing, and drinking wine, hung between the bluest sky and sand earth with the mountains stretching, ridge after ridge, down to desert and Los Angeles.

Energetic Hikers

energetic hikers betook them across the snow to a yet farther mountain, some visited the Little Jimmy Spring and returned with real water, particular car.

Dwight played his recorder, and some just lounged, soaking up sun like lizards, rocks, baking. But the sun started to leave, and the trail led its way, less magical now - a solid homeward road - down to the camp, a fire, bubbling stew, more wine, and laughing warm people. We ate, talked, jokes flashed, and the dark came down, brooding starred. The group gathered closer together, circling the fire, proof against the cold dark; a few songs, more laughter and everyone somehow glad the others were there. When the last candle finally burnt out, we gathered out things and drive back down the mountain.

Below Mount Pacifico

Almost all of us are going again, as time and school permit; there is a spirit in those mountains that touched everyone. This week we will go to Sulphur Spring Camp, below Mount Pacifico. The week after there will be a trip elsewhere. If you would like to join, sign up with Marcie in the Y office and After lunch one group of show up Saturday morning at 7 a.m. with your boots, cars, and women. All food is supplied and gas money is arranged within a

Coursing Through Third Term

Continued from Page One

emphasizes economic theory much less than does Dr. Noll's section of Ec 116, offered this term.

IS 181 no longer exists, having converted its name to AMa 181 as of this coming term.

Dr. Langston is offering a special course in En 13, in Black Literature and Culture.

A course is being offered in Ma 102, Differential Geometry third

For all you stat trolls, there will be a second term of the stat course, Ma 112.

There's a course in population problems, Ec 115, by Dr. Sweezy, who is an enthusiastic specialist in population control. This is one of the special social-science fields in which Caltech is doing something.

Another installment in the Caltech African Studies group is repeating: PS 102, with Dr. Munger, is a study of African history. It was offered first term. Drs. Munger, Scudder, and Bates, of permanent Caltech faculty, are African special-

Happy snaking.

Ben Barker, Secretary

Continued from Page Nine

within an unconventional system in particular.

In order for the official student government to be effective in dealing with these and other questions, the Board of Directors has two critical needs.

A better system of two-way communication between the Board and the student body would tend to make ASCIT more relevant to undergraduate life. The BOD also needs to become much more efficient as a decision-making body, and avoid the interminable meetings of the past.

As BOD Secretary I would set up an agenda similar to that used by the faculty board. Before each meeting, copies of documents

pertaining to questions requiring more than the usual degree of consideration would be circulated to Board members, in addition to the customary list of topics. I would also try to see that people are made more aware of what the Board's concerns are, and vice versa.

I have served as Dabney House secretary and YMCA Vice-President. In that time I have learned a good deal about working with people and organizations, and have met many of those faculty interested in undergraduate life.

I feel that I have the skills and desire to do a good job as BOD secretary, and would like the opportunity to serve you.

-Ben Barker

A Million Bottles to Hide

How do you hide a million the eyes of the people. The effort bottles of wine? That question is the basis for the Stanley Kramer version of Robert Crichton's best-

Santa Vittoria is a small town (about 1200) in the wine producing part of Italy. The growing of grapes and the making of wine is the life of the town, and has been for generations. The Fascisti had as little effect upon the town as any other ruling group. The only reason that the people even paid notice of Mussolini's death was that it meant that they could kick Fascisti in the pants. During the Fascisti-kicking party, Italo Bombolini (Anthony Ouinn) becomes the new mayor, quite by accident. Italo is a drunken sot, with a shrew (Anna Magnani) for a wife. Once he sobers up somewhat, however, he proves to be a reasonably good mayor. He studies, and combines his own ideas with those of Machiavelli.

Suddenly, he discovers that the German Army is coming to take the town's wine, a true catastrophe in

to thwart the Germans takes up most of the movie, and brings out the best in Mayor Bombolini. His philosophy is much better in the book, but his most im portant quote still remains. Printed on a wall are two quotations: "Better to live one day as a lion than a hundred years as a lamb." Mussolini. "Better to live a hundred years." Bombolini.

Anthony Quin is magnificent as Bombolini, but in this year of superfilms, I doubt he'll win an Oscar. Anna Magnani is very good as his wife, Rosa. Virna Lisi plays Caterina convincingly, but is not outstanding. Hardy Kruger, the German captain come to take the wine, is a perfect German without being stereotyped. I strongly recommend seeing this

movie, especially if you like Anthony Quinn, or if you liked the book. It is rated M, and is a bit mature for children under ten or twelve.

-Nick Smith

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Wrestle!

Continued from Page One Gary Zieve continued his winning streak by winning a 6-1 decision.

The score was 17-0, Caltech, halfway through the contest.

Doug Wood of Caltech then gained a decision victory in the 158 pound class by a score of 5-2. In the 167 pound class, Jeff Blair lost by a fall to his strong Pomona adversary. John Morton then suffered the only other Caltech defeat, a 16-6 decision in the 177 class.

The score, with two matches remaining was 20-8 in favor of Caltech, and there was no possible way for the Beavers to lose it.

But Alan Beagle, Caltech's undefeated 190 pound wrestler, didn't let up in his match, and he pinned his opponent with 35 seconds left in the third round. Bruce Johnson pinned his man in the unlimited weight division, after a slow start, with 45 seconds left in the match, and the final score was Caltech 30, Pomona 8.

The tournament Saturday will begin at 8:00 a.m. Anyone desiring to see the final round competition should be at Whittier by 3:00 p.m. They can then, hopefully, see Caltech named conference wrestling champs!



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Tech Cindermen Top LAPD, COD

By David Dixon

The Caltech track team won its first meet of the 1970 season last Friday at home. They defeated the Los Angeles Police Department and College of the Desert in a triangular meet with respective scores of

The Beavers again showed their strength in the field events as Agis Abatzoglou won both the discus and shotput. Gary Stormo took a first in the triple jump by a narrow margin and took second in the long jump. Charles Thoele threw the javelin three inches farther than his closest opponent to take first.

Not As Well

The Caltech sprinters did not fare as well, winning only the 440, won by Charles Almquist, and winning the mile relay. However, strength by sweeping the mile with

Tim Tardiff winning. Gary Pope came back to win the half mile while Martin Smith went on to win the two-mile.

This Saturday afternoon, the trackmen travel to Occidental for the SCIAC Relays.

Javelin Throws

Abatzoglou had respective distances in the discus and shotput of 135 feet, two inches and 44 feet, six inches. Thoele threw the javelin 162 feet, three inches, while Stormo won the triple jump with a 41 feet, five inch mark.

In the running events, Almquist won the 440 in 53.5 seconds, Pope had a 2:07.0 time in winning the 880. Tardiff finished first in the mile in 4:35.2, and Smith took 10:15.6 to win the two-mile. The Caltech team of Stormo, Tardiff, the distance men showed their Pope and Almquist won the mile relay in 3:37.9.



Redlands Champs Humble Caltech Tennis Team

THE University of Redland tennis team registered two rather overwhelming victories over Caltech's racket squad last Saturday on the Tech courts. Redlands won both the varsity and JV contests by 9-0 scores. Caltech's varsity managed to win only eight games in its nine matches against Redlands.

The JV team had somewhat better

luck, winning an average of not

quite three games per match. But Coach Johnny Lamb emphasized the fact that the team was by no means discouraged by the loss, since Redlands is just possibly the best small college tennis team in the entire United

States.

Last year the Redlands tennis squad was first in the NAIA; (that means first in the nation, toads) and this year their team is even better. So, the Tech players did all right to win any games at all.

Today at 3:00 p.m. the Beavers play host to the junior varsity team from USC.

Fencers Trip Gauchos, Falter In UCLA Meet

The Caltech epee and foil teams defeated UC Santa Barbara Saturday, both by scores of 6-3. D. A. Smith led the foil team with three victories, while Norm Pendegraft supplied two and freshman Bill Chia won one. For the epee team, Terry Boardman won all three of his bouts, defeating even the 6'8" Walker. Dick Piccard won two and David Brin won one.

The previous week-end had seen the team competing in the UCLA Invitational Fencing Tournament. D. A. Smith and Norm Pendegraft picked up some saber experience in the individual competition Friday night. In the individual foil competition Saturday Smith was the only Caltech fencer to make the second round, which unfortunately was as far as he got. In the epee individual competition that afternoon Dick Piccard was the only Caltech fencer to make the second round. He missed the cut for the fourth and final round on touches received,

being tied with three other men in win-loss record.

Curses, Foiled Again

The Caltech "A" foil team defeated the San Diego State "B" team in the first round, and then got wiped out by the UCLA "A" team. Neither Caltech foil team made the second round.

On Sunday the epee team competition saw Caltech enter two teams. The "B" team, Richard Pelletier, Larry Rhodes, and Lee Britton, were defeated in the first round of competition. The "A" team, Piccard, Boardman, and Brin, were defeated in the second and semi-final round by the Pomona "A" team, which eventually won. The Pomona captain, Presson, won the individual epee competition the previous day, but was defeated in the first bout of this team competition by Dick Piccard.

Our next meet is at UCLA this Saturday, Feb. 21.

UC Irvine Outplays Tech Rugby Team

Saturday the Caltech rugby team engaged U. C. Irvine in a non-league match on the Caltech field. The spectators saw the injury-riddled Caltech team hold the visitors from the A league to a 10-0 halftime advantage. Several times the visitors drove deep into Caltech territory only to be halted by timely Caltech kicking, and, on at least two occasions, by quick-thinking touchdowns. (In rugby this is akin to a

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safety in football, except that no points are awarded. The defensive team is awarded a free kick after touching the ball down in its own end zone.)

In the second half of this full time game Irvine's superior conditioning began to have its effect. The fitter visitors were able to halt the more open play forced on Caltech by the score. Several times a long pass behind the line out from left winger Gary Stormo to centers Mike Gilpin or Bob O'Connor looked capable of sparking a backline break, but each time quick recovery by Irvine was able to break up the

The Irvine back line played very well in the second half, making much of the difference in the game.

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They accounted for all five Irvine tries in the 25-0 loss. The forward game was quite even, despite the absence of Caltech's two largest forwards. Though Irvine was the smallest team Caltech has seen this year, they still had a distinct weight advantage.

The teams and spectators were favored by nearly perfect rugby weather. It was perhaps a bit warm for play, but just warm enough for the relaxed group of spectators, some of whom alternated between watching and swimming. Irvine brought their own rooters, but the most enthusiastic rooter was surely the Caltech coach, Jeff Morgan.

This Saturday Caltech plays Citrus J. C. at Citrus, the game scheduled to begin at 2:00 p.m. The remaining home schedule is:

28 February vs. Loyola and 14 March vs. Pomona. These two games represent the last chance this year for the Caltech community to learn a new and exciting game.

IH Sing

Continued from Page One

folksinging experience; Tom Noyes and Paul Zygielbaum with songs of their own making; Kelly Beatty and his guitar; and a spectacular closing performance by Sheldon and the Shmucks, a dynamic combo with a bent for the old favorites.

The evening's festivities cluded with the Glee Club's customary demonstration of what male singing should sound like. The Club, directed by Mr. Olaf Frodsham, performed four numbers, closing with the Alma Mater after the announcement of the judgings. The company then dispersed to Culbertson Hall for the Valentine's Day Dance, various residences, and ritual local watering-places.





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