

ASCIT Nomination Statements: See Inside Pages

Remember,
Circulation
Staff:

California Tech

Associated Students of the California Institute of Technology

Fold Front Page
Inside This
Week

Volume LXX

Pasadena, California, Thursday, February 6, 1969

Number 16



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by Nick Smith

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The result of this ruling is that any second-year graduate student is entitled to a pre-induction judicial review for the purpose of obtaining a IS-C classification to the end of the current academic year. The request for this review must be filed by a lawyer.

Contact Dean Bohemblust for further information. Time is of the essence—after induction will be too late.

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Black and White Interaction

Most Whites are unfamiliar with Black history, unfamiliar that the Black man has played a significant role in American history, according to Boskin. He also feels that most students are anti-historical—unaware and unaware of the historical process, the movement and feeling to time's thread. He would like to correct misconceptions, but more than that, this ignorance of how the Black and White cultures have interacted, or separated, how they have left the young in a land torn by violence, how they have motivated the militant's hate and action, how they have shaped the Black's feeling of alienation and despair. How, for example, could Jefferson write the Declaration of Independence and still own slaves? How can Americans talk of equality and then move away when a Black family moves in next door?

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Editorial**The Tech Tickets**

President — Stephen Horner (1st choice); William Hocker (2nd choice)
 Vice President — Peter Szolovits
 Secretary — Derry Hornbuckle
 Treasurer — Leonidas Guibas
 Dir. Acad. Aff. — Berto Kaufman
 Dir. Student Life — Marc Aaronson
 Dir. at Large — Gary Storno, Glen Spain
 IHC Chairman — Charles Creasy
 Activities Chairman — James C. Fuhrman
 Social Chairman — No acceptable candidate
 Athletic Manager — Thomas Hedges
 BOC Secretary — Bob Fisher
 Tech Editors — Ira Moskate & Craig Sarazin (team)

Alan Stein

The following are our endorsements for ASCIT offices:
 President: Stephen Horner
 Vice-president: Peter Szolovits
 Secretary: Derry Hornbuckle
 Treasurer: No choice—both appear to be well qualified.
 IHC Chairman: Charles Creasy
 Dir. Student Life: Marc Aaronson
 Dir. Academic Affairs: Jerry Feinberg
 Director-at-Large: 1.) Gary Storno 2.) No Choice
 BOC Secretary: Bob Fisher
 Activities Chairman: No Choice
 Social Chairman: William Bradley
 Athletic Manager: (Team) Morgan-Ault
 Tech Editor: (Team) Moskate-Sarazin

Jim Cooper

President — Bill Hocker
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 Secretary — Derry Hornbuckle
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David Lewin**Letters****Peace Corps Recruiters Arriving Monday for Talks**

I hope this letter will serve as an introduction, and also tell you that the Peace Corps will be on campus the week of February 10th, 1969.

An excellent opportunity will be available to you to find out what the Peace Corps is all about: where volunteers work, what the many types of jobs are available, and what you with your particular skill, education, and background, can do. We would like to crack some of the stereotypes you may have about the Peace Corps: not all volunteers rough it, nor is all the work to be done in grass or adobe villages.

Maybe a break in your educational pattern is what you need to find out if what you are doing, and what you are studying is what you want to do for the rest of your life. I know you have asked yourself questions like: Does my education thus far have merit? Is it worth going to school from kindergarten to Ph.D. without a break? Come by and let's talk about how we can be relevant to you, and what you want to do later in life. Come for a chat, information, or for a cup of coffee, and see if the Peace Corps is a meaningful thing to do in today's changing world. I feel that there are ways

in which we can relate to one another.

If by chance you miss us while we are on campus, please feel free to get further information from Pat Davis, YMCA, Winnett Center.

Sincerely yours,
 Francisco Garcia

We'll be around campus—on the Olive Walk, at the undergraduate houses, and at the Y. Monday, February 10th to Thursday, February 13th, 1969.

Tuesday—

4:30 p.m.—Film—"One Step at a Time." Written and produced by volunteers, it describes three phases of Peace Corps work in Brasil: health, sanitation, and an architecture project. Winnett Club, Room I.

5:30 p.m.—Some time set aside for discussion and whatever. Coffee. Winnett Club Room I.

Thursday—

10:00 a.m.—Test, Winnett Club Room I.

2:00 p.m.—Test, Winnett Club Room I.

4:00 p.m.—Test, Winnett Club Room I.

Thursday evening at 8:00 p.m. a party at Pat Davis' house, wine and cheese, and soft drinks, all are welcome, see you there: 175 S. Chester, Pasadena. 796-2330.

Director Acad. Affairs Jerry Feinberg

After 2½ years at Tech, I can appreciate the education being offered here as few others can. Because of this, though, I can see many ways in which our education can be improved, also as few others can.

Experiments have been conducted in seminar-style teaching, usually in conjunction with lounge type cassettes. Having been a member of Dr. Dean's infamous Ma 5 seminar class last year,

Notices

This year's first issue of **Totem**, the campus literary magazine, will appear in the near future, after arduous months of preparation. Next Monday, February 10, at 9:30 PM in the Coffeeshop, the Editorial Board will be reviewing contributions and deciding upon material for publication. All those interested are invited to attend. Also, anyone offering photography or artwork is welcome.

DARKROOM

A limited number of memberships in the student darkroom are now available. Keys may be obtained from Fred Klein, 49 Dabney House. Memberships dues are \$1.50 per term.

A INTERESTED, E MATH CLUB

Tonight, 2/6, the math Club presents Dr. Hirsh Cohen, visiting associate in applied math. Dr. Cohen, on leave from IBM, will talk on "Mathematic\$ for the Million\$." 9:30 P.M. in the math lounge (3rd floor, Sloan) plus refreshments.

ASCIT ELECTIONS

Vote for someone extraneous, he has all the qualities of the BOD.

SAVE STAR TREK!

Come to the second annual meeting of the Save Star Trek Committee, in Clubroom 1, Winnett Center, on Friday at 7:30 p.m. A protest march is being planned; come and help out.

I know the strong advantages as well as the disadvantages of a seminar. But my conclusion is that the seminar taught class can be a tremendous improvement over the traditional lecture system. As Director of Academic Affairs, I will try hard to expand this mode of teaching.

A second improvement can be made by offering more interdisciplinary courses. As one who straddles two science fields, I know how rough it can be having interests which don't quite fit with any option.

As Director of Academic Affairs, I will do my best to encourage more joint offerings in fields like biochemistry, astrogeology, and mathematical physics at the undergraduate level. The availability of double majors should be expanded concurrent with a lowering of individual option requirements in such cases.

The third improvement which I envision is the development of an upperclass research program.

Other schools offer an honors research elective in which a student can work either individually or with a professor of choice. How such a program could be worked at Tech is a decision for the students to make. But the program should be developed.

The Director of Academic Affairs will probably wrangle him—

(Continued on page 4)

Treasurer Steve Patt

It goes without saying, I think, that many students this year have begun to feel that ASCIT is drifting further and further away from them. The attempt to abolish mandatory ASCIT dues is a clear manifestation of that feeling. Students feel that they are not "getting their money's worth" out of ASCIT. I am running for the office of Treasurer because I am one such student, and because I feel that things do not need to remain as they are.

Trying to make ASCIT relevant to more and more students, as opposed to making it more and more relevant for a few students, is not going to be an easy job. Far too often the generation of new ideas is hampered by ties to the past. I am not bound by such ties, however, and because of this I feel that I can be an asset to next year's BOD.

So far I have given no indication of why I specifically want to be ASCIT Treasurer—why not President? Basically, I feel that finance is where my talents lie, and it is the way in which I can contribute the most to ASCIT. Right now, I am not for abolishing dues, raising dues, lowering dues, or anything else. But I am for a thorough study of the status of ASCIT dues as well as of the questionable class dues and for giving these matters a fuller debate

(Continued on page 12)

Mia Farrow in Roman Polanski's ROSEMARY'S BABY**Jane Fonda in BARBARELLA**

starts Feb. 19
THE BROTHERHOOD

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Athletic Man. Tom Hedges

At Tech athletics are in a member of an athletic squad, the attendance at games is normally extremely low. Some try to excuse this by saying our teams never win, but they do win; this year's great bonfire after the UCSD game shows the kind of results that student body interest can and will bring.

I am running for ASCIT Athletic Manager on a platform of developing more interest and support for our varsity teams. The only logical result of this will be better teams—giving the guys supporting the teams something to really cheer about.

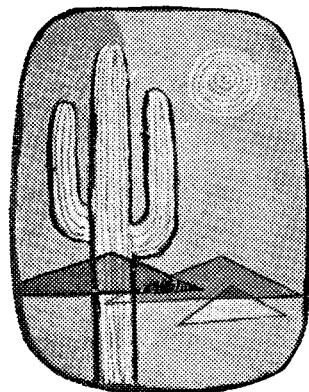
I am a Freshman at Ruddock house. Presently I am a member of the Frosh Basketball team, playing center. My other activities at Tech include the ARP Smog Computer Correlation Group, the Radio Club, the YR's, and the Computer Club.

Finally I wish to state that my motives for running are only those of being ASCIT Athletic Manager, and improving sports at Tech. I paid my own filing fee, and I am not trying to get anyone elected ASCIT President. Furthermore if I am elected I shall serve out my term regardless of the outcome of any other races in the election.

Thomas Hedges

Joke about ASCIT Presidential Candidates over a pizza at
ROMA GARDENS — 1120 E. Green
 Specialize in Italian Food — Beer and Imported Wines
Spaghetti Special Tuesday — \$1.00
 For Quick Service Call 449-1948
 Open Daily 5-12 p.m.; Fri. & Sat. 5 p.m.-2 a.m.; Sun. 5-9 p.m.

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THE ENGINEERING TRAINING PROGRAM
 Open to BS or MS graduates in Electrical Engineering, Chemical Engineering or Physics with a B average or better. While pursuing an MS or PhD degree at Arizona State University each trainee is placed in a rotational program covering four engineering activities at Motorola.

THE MARKETING TRAINING PROGRAM
 Open to BS graduates in Electrical Engineering or Physics with a B-average or better. Marketing trainees may work toward an MBA or an MS or PhD degree. Rotational assignments are in the marketing area.

Dave Metz will be interviewing for Motorola, on campus FEBRUARY 7, 1969

Direct Placement at all Degree Levels for...
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Director Acad. Affairs Jeff Ross

The ASCIT office of Director of Academic Affairs was just initiated this year. Thus, since no precedent was set by anyone defining what the office entails, I will state what I hope to accomplish if elected:

First

of all, Tech has an inadequate humanities program. For example, only three courses are offered in psychology, and these are only one-term electives. As Director of Academic Affairs, I would attempt to increase the number of psychology courses offered, and, if necessary, also improve their quality. Of course, psychology is not the only field here that needs improvement, but it is a good example of the inadequacy of the humanities department. Also concerning humanities, the freshman electives in this area are too restricted. Courses in political science, anthropology, philosophy, and psychology should be offered along with the others.

Another problem is that the number of units given in many courses at Tech do not correspond to the number of hours per week required by the course. This is particularly true of labs. For example, physics labs offer only two units for work required outside of class, but both fresh-

men and sophomores agree that their labs take much more time. I think that the number of units offered for certain courses should be studied and a more appropriate number of units be given if necessary.

Aside from the courses themselves, the teaching here should be improved. For a school the size of Tech, there is no reason the teaching cannot be more personal. I believe this would not only help the students learn, but would also help improve the professor's teaching. With more personal contact he would understand better the problems of students, and what he could do to assist them.

These are some of the major problems I believe exist at Tech, and what I would do to remedy them. As Director of Academic Affairs, I would attempt to initiate these long-range reforms. As a member of the ASCIT research project executive board and my house Excomm, I believe I have had the necessary experience to become a member of the BOD.

Jeff Ross

Blackness only in U.S.? Groping in Blackness

For all their interest, however, students did not initiate the plan for H160. The loss of Robert Woodbury from the history department last year prompted the faculty to decide to offer courses by visiting professors. There were several interested in a Black history course. Dr. Robert Rosenstone, assistant professor of history, suggested Boskin, and the faculty unanimously agreed. It was just "one of those ideas floating around," says Rosenstone.

Students are finding H160 interesting, and gaining a greater appreciation for the role of myths and the Black man's blight. Slavery was practiced all over the world for centuries, but why did it become equated with

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lead to substantial shortening of the time required for a degree. Whether technical undergraduate status (concurrent with graduate status) until both degrees are awarded would result in extension of II-S deferment is not made clear by the 1967 Selective Service Act, and would probably be at the discretion of the local board.

I would support any move allowing greater flexibility in course of study. I feel that, though guidance from the faculty is vital ultimate responsibility for the quality of one's academic work is as much his own as his responsibility for his behavior. It is very possible that many or most students would, after consulting with their faculty advisors, choose essentially the same course open to them now despite any offered special programs. It is also possible that most students would behave honorably even if there were no officially adopted Honor System.

The point in each case is that recognition of the responsibility of the individual encourages assumption of that responsibility.

To that end, here are some of the proposals I shall make if elected: an extended pass/fail system; an exchange of intern program at some other university or at some laboratory, Brookhaven, say, for a term or a year; elimination of options and substitution of self-planned programs, with faculty guidance, as above; and increased opportunity for undergraduate research, involving academic credit and possibly outside funding. Several faculty members have declared themselves in favor of these programs, including Dean-elect Huttenback. I think some or all can be obtained, at least on an experimental basis.

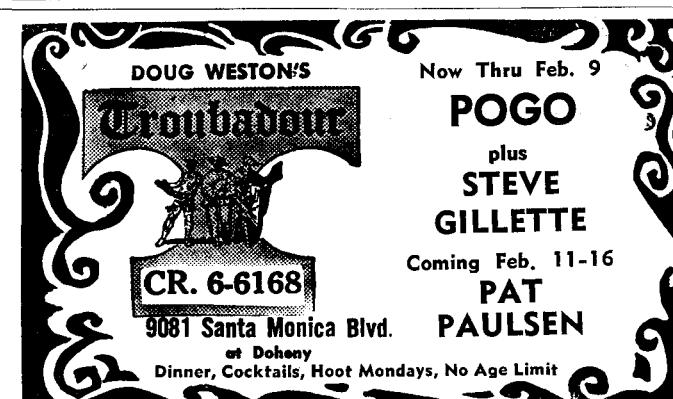
Some other ideas, relating more to the learning process directly than to formal course of study, include: guided-study courses; seminar-courses like Dr. Dean's Math 5 (though its results are as yet equivocal); a tutorial system involving graduate students on an approximately one/three basis; sensitivity-group interaction to increase mutual awareness of students and faculty members (now being tried in a genetics course to most interesting effect). Experimentation in better teaching methods could be carried on systematically through the University Teaching Development Research Program, for which ASCIT has requested \$10,950 from the office of education. This money could be used to look into programmed instruc-

(Continued on page 12)

Activ. Chm. Wm. Earl

During the past six months, ASCIT activities have been few indeed. If elected, I hope to reverse this situation to the extent that student interest warrants. In particular, I hope to encourage the further appearance on campus of innovative artists like those of the San Francisco Mime Troupe. Promises I cannot make, except that I will try to carry out the wishes of the student body in arranging activities.

William J. Earl





Alan Beagle

ASCIT President Alan Beagle

As ASCIT President I would attempt to evolve a student government which would serve the average Tecker whose interests are not pointed in a specific direction. A summary of my platform:

Academic Reform leading towards a more tutorial system through the ARC. Also the coordination with the administration for course credit for classes taken at nearby colleges, and the establishment of a transportation system to these colleges.

Closer ASCIT-IHC coordination and cooperation through the establishment of joint IHC and executive committee meetings.

A more effective ASCIT social program which implies definite long range planning and coordination between the Social Council (now virtually non-existent) and the house social chairmen. Connected with this are better communications with other colleges involving sensitivity conferences, student exchanges, and interesting events at these other colleges.

The successful initiation of Harold Brown.

Continued improvement with ASCIT funds of the Coffeehouse.

An election involving the suitability of continuing to define the research project as the ASCIT Research Project.

The establishment of a viable Athletic Council to coordinate undergraduate athletics at all levels with the physical education department. This coordination scarcely exists at the present.

I do not consider ASCIT at present as a corporation achieving its potential in service to the Tecker, especially considering the size of the undergraduate student body. As President, I would attempt to achieve this potential through the initiation of my programs.

Alan Beagle

More Patt

(Continued from page 2)
than was allowed this year.

This, then, is my general philosophy. I feel that I can serve ASCIT capably as its Treasurer, and I feel that I can help in the effort to make ASCIT more relevant to all the students. For these reasons, I ask you for your vote.

Soc. Bradley

If the Wilzbach slate gets elected, some changes in the ASCIT social program should be forthcoming. With money previously spent on the Research Project (\$1000) we could hold a Twilight Buffet on the Olive Walk between Firestone and Winnett. Two years ago we had one and a Chad and Jeremy concert afterwards. Steve Heisler will be working on a name group for a concert and we may pull this off next fall.

As Interhouse social chairman, I would propose and attempt to sponsor more House-run activities for the whole campus. These are social events like the Party-Parties held in Culbertson, coordinated by one HOUSE yet sponsored by and participated in by all. Ideally, each House would take its turn at running a campus-wide event, the money coming from all interested Houses and ASCIT.

Among the events of this size would be renting a yacht for a REAL party; spending a winter weekend in the mountains ie, "Snow Weekend"; commanding a beach for a beach party complete with band, bonfire, etc. Sound grandiose? It's possible if each House kicks in for the expenses and if someone is willing to organize it.

BILL BRADLEY

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IHC Chm. C. Creasy

I am a candidate for Interhouse Committee (IHC) Chairman. The ASCIT By-Laws treat the duties and responsibilities of the office somewhat trivially: (a) chairing the Honor Point Committee, (b) calling and presiding over IHC meetings, and (c) responsibility for liaison between the various Houses and ASCIT.

The first of these duties is not difficult at all, since the accumulation of honor points is more or less objectively measurable. Presiding over the IHC, however, is not so easy and requires several important attributes. The ability to deal effectively with the seven Houses' representatives—sometimes violent and nearly always biased but usually sincere—is essential! I think I could handle the task as well as anyone. (My experience in mediating gang fights when I was a kid back in Beaumont, Texas, might be useful.)

Another must is an awareness of and a sensitivity to the dominating mood of the Houses' members during times of crisis, semicrisis, or any other significant decision-making in the IHC. If elected, I intend to establish channels where they don't exist and, where they already exist, to cultivate channels which facilitate such awareness and sensitivity.

It will also be necessary for the new IHC Chairman to establish a working relationship with the administration through the new Master of Student Houses. From my point of view, it is unfortunate that Dr. Huttenback is leaving that post since I feel that, if elected, I could use my present relationship with him as an excellent base for establishing a positive, effective working association with the Master.

In my estimation the most important task of our next IHC Chairman will be smoothing the liaison between the House members—the students—and ASCIT, their student government. I believe that when the sentiment of the ASCIT membership is expressed at the polls next week, ASCIT will emerge as a body more responsive to that sentiment. If it does not so emerge, then I'm convinced that ASCIT won't survive the year in its present form. In either case I can see an important role for the Chairman of the Interhouse Committee. It is a role which I am ready, willing, and able to portray. In my efforts I request your vote, your support, and your confidence.

CHARLES J. CREASY JR.



William Hocker

ASCIT President Bill Hocker

So you might ask, "Why are you running for ASCIT President and what do you plan to do if elected?" I have had to ask myself several questions about Caltech and about myself in considering the possibility of being ASCIT President: perhaps the answers I've believed for my own questions will answer your questions.

(Continued on page 9)

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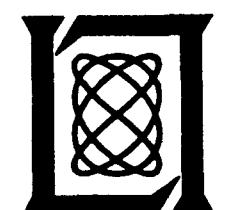
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Vice Pres. P. Szolovits

ASCIT is, in name at least, the Associated Students of Caltech. In fact, it is a small group of elected student leaders who determine the course in which student activities and student activism is to proceed. To some of you, this may be deplorable because you feel that you have no voice in the affairs of your student government. My only answer can be that you are right. If you are not willing to go out and devote the time and effort needed to plan and participate in activities, then you will have no influence on ASCIT activities. I do not mean this as a criticism of all Techers. Some of us are here with the specific purpose of receiving the type of education glowingly described in the Catalog. If that is your goal, you will probably learn more physics and math than I will, and you will look to ASCIT as an organization to provide you

(Continued on page 9)

IHC Chairman Ralph Graham

The position of IHC Chairman is an important position, but it is more likely than not that the average student will not even know whether the chairman is doing a good job, since most of the work is done in coordinating the houses' activities (scheduled or spontaneous). I think this is as it should be since there are other committees for ever other possible thing you can imagine.

Athletics is usually the major topic at most IHC meetings. The question of player eligibility for Interhouse sports is one that I would like to see re-evaluated. As it now stands, according to Mr. Emery, the Athletic Department has a veto on IHC decisions because some players are given P.E. credit. The actual amount of restriction, however, seems to be much wider than that reason would cover. For Discobolus, I hope to prevent forfeits from becoming significant in determining the yearly winner. This might be done by not requiring the eligibility lists to be in until Monday following

the contest. Naturally, the athletic managers could still check with Mr. Nerrie before the weekend.

In the very open area of social events it still remains to be seen whether or not there will be any candidates. If there are not, I hope that some sort of coalition of house social chairmen and committee members will be able to produce a few exchanges at the start of next school year.

In closing let me say that I want to serve on the BOD, I want to be IHC Chairman, and most importantly, I think I can do a good job.

Ralph Graham

Act. Chm. Fuhrman

I firmly believe that as activities chairman it would be my duty to see that every student at Caltech has the chance to get his \$22 in ASCIT dues worth of ACTIVITIES and CLUBS that he is interested in. I feel that presently this is not possible. Some ways of improving this sad situation might be to renew such activities as Wednesday Assemblies and Coffeehours with speakers who would be interesting to you. Possibly, even something like the popular Frosh Dinner Forum, with speakers like Ray Bradbury, Richard Feynman, Murray Gell-Mann, and others, could be reborn, but only if you want to see it reborn!

The activities chairman now sits on the IHC because of recent by-law changes and can therefore be more responsive to ideas for new activities originating on the grass-roots level in the houses. Also, by working with the IHC, he can make more students more fully aware of the nature of upcoming activities. By exerting pressure through the IHC, by working with the ASCIT Social Chairman, he can perhaps get houses to include campus-wide ASCIT activities on their social calendars. (Possibly house calendars could become social / activities calendars. Note that the two types of events are not mutually exclusive, so the

(Continued on page 8)



Stephen Horner

ASCIT President Stephen Horner

involvement on the part of ASCIT's officers. New channels may be established for liaison with the Graduate Student Council, especially important at times when a concerted effort from all the students can result in decisive action.

In a school like Tech, faculty-student communication can be an invaluable resource. As a result of my efforts, my house has established freshman-upperclass-faculty discussion groups to help make this possible. As ASCIT president I would continue in this direction.

The trustees' lack of contact with the undergraduate student body is infamous. In discussions with Henry Dreyfuss and Bill Zisch, (two of the more active members of the Board), we have worked out tentative proposals to establish ties between these two groups.

Although there already exist administrative committees at Caltech on which the students are represented, these opportunities are insufficiently exploited, owing to communication roadblocks. The minutes of these meetings should be compiled, and summaries made available in the Tech.

The need for better communication with girl's schools is obvious. A helpful step would be the publication of a calendar of activities at girl's schools in the L.A. area. Coordination of an ASCIT tutoring program for girls at neighboring schools would be a vehicle for increased contact—and might be welcomed by schools such as Occidental, where girls have expressed an interest in receiving help in their statistics course. Innovative low-pressure events in the ASCIT social program will be equally beneficial.

Finally, contact with the world outside Caltech is educational and desirable. Working in conjunction with the YMCA I have been involved in bringing influential and interesting people to campus. ASCIT's traditional Wednesday programs have been neglected. Entertainment (rock bands, The Committee), could be enlivening to that eleven o'clock recess.

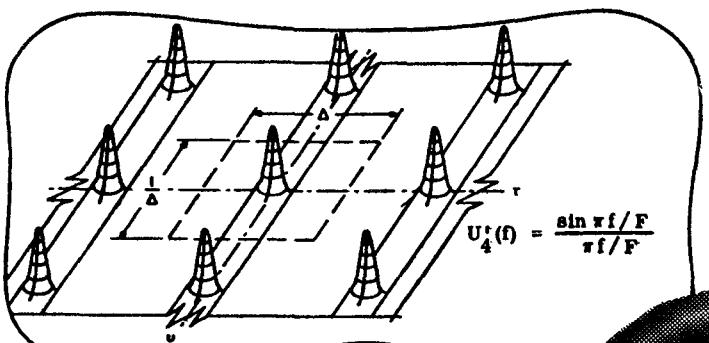
With my plans for ASCIT's future development and my past administrative experience as House President and Director of Freshman Camp, I feel well-qualified to serve the Caltech community.

Stephen Horner

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Samuel Keys

ASCIT President Sam Keys

Doing the following things will help me gain the most votes.

1. Comment on how wonderful posters and buttons are in a campaign. (After all it worked for Richard Nixon.)

2. Worry about important campus problems like the Communist Menace, integration, and SMOG.

3. Don't wonder where the 22 dollars you pay ASSCIT each year goes.

4. Study very hard and go to all your classes because there is nothing more important to you than science.

5. Realize the importance of experience. (Why not start a draft LBJ for president movement?)

6. Think that if ASSCIT makes the world better it will get B&G off your back.

7. Think that ASSCIT should either carry the white man's burden or be abolished. (After all there's nothing in between.)

8. Believe that trollish but obviously brilliant people like you must make the best officers.

9. Spell ASSCIT A-S-C-I-T.

10. Burn your California Tech because this is in such bad taste.

Sam Keys

Director Stud. Life Marc Aaronson

The Director of Student Life is a newly created office which will place a large amount of responsibility on whoever is elected to it, for this person will be setting precedents to be followed for many terms. The holder of this office will require initiative, ability, and ideas. I believe I possess and have already exhibited these qualities to some extent through working on the Ascit Presidential Staff, the Board of Directors of the Ascit Research Project, the California Tech, and the Faculty-Student Relations Committee. From this experience I have gained a good insight into the workings of student government and the administration. I strongly feel that life at Caltech could and should be greatly improved, and I desire to be elected Director of Student Life to work towards this goal.

The office of Director of Student Life is presently ill-defined. The By-laws amendment passed last term merely states, "The Director of Student Life shall be a member of the Board of Directors. He shall work with the Activities Chairman, Social Chairman, and Athletic Manager to coordinate their activities." One of the primary jobs of the Director, then, will be to act as a direct link between ASCIT and the IHC. I believe this will necessitate his attendance at all IHC meetings. I definitely believe that ASCIT should sponsor more and superior athletic and social events. I will particularly work towards re-establishing Wednesday eleven o'clock ASCIT Assemblies.

Most Teckers will agree that

their greatest complaint with campus life is the abnormality of living in an all male atmosphere. I have spent the past several weeks in setting up the Caltech-Scripps exchange, about which most Caltech students have already heard. This exchange involves sending fifty or more Caltech students to Scripps for several days, where they will live in the dorms and attend classes. Similarly, an equal number of Scripps students will come to Tech, live in our houses, and attend our classes during the same period. I feel that such an exchange could be effected every term, and I have already received letters from other girl's colleges expressing interest in this type of program. As Director of Student Life I would be in a much stronger position for carrying out such exchanges effectively.

I believe that greater interaction and understanding is needed between the students and the faculty and administration of Caltech. One solution to this problem might be to set up nightly bull sessions with students and interested faculty members or administrators participating. These could be held in the student houses under the direction of a "Bull Session Committee."

If you as a Caltech student are dissatisfied with life on campus and wish to see an improvement made in your school's atmosphere, then I sympathize with you for I hold a similar feeling. If elected as Director of Student Life I will do the utmost to ameliorate all our lives here at Tech.

Marc Aaronson

Secretary BOC Robert Fisher

Ever since I heard a rather traditional speech at Freshman camp on the honor system, I've been bothered by the dual image of the Board of Control. It appears to be thought of as both a defender of the honor system, and a "knock-in-the-night" judicial body. A year on the board has convinced me that the honor code works. My question is whether it could work without the aura of fear and suspicion surrounding the BOC. I tend to think it could, and in fact could even work better. Mentioning that I'm on the Board during conversations about the honor system at times seemed to have the same effect as flashing a badge at a pot party. Suddenly everyone was afraid they were going to be screwed for something they had said.

It's my belief that the honor code should not be laid down solely by precedent, but also by the current feelings of the student body at large. If 99% of the school refuses to turn in a roommate for inadvertently taking 15 seconds over on a 1-hour physics quiz, then I maintain that the Board should be made aware of this fact and should keep it in mind when considering a case. It's hard for the BOC to keep up to date with the actual feelings on the honor system if everyone is afraid to talk over a questionable issue with the members—especially in retrospect.

Perhaps one way to open up communication is for the Board to talk over some of their general policy decisions, and personal thoughts on the Honor Code. Of course, these remarks would in no way be of a nature which would lead back to any individuals who had been involved in a case. I think this aspect of secrecy should be maintained as strictly as is possible. But, for example, an occasional word in

the Tech discussing the Board's stand on points such as the library, the EE stockroom, R.F.'ing in a room—along with an invitation to respond — wouldn't seem out of line.

More than this though, I think members of the BOC themselves should be responsive to the reasonable feelings of the whole student body—both in and out of case meetings. As Secretary of the Board of Control this is the kind of member I would attempt to be.

Robert S. Fisher

Tech Editor Fleming Team

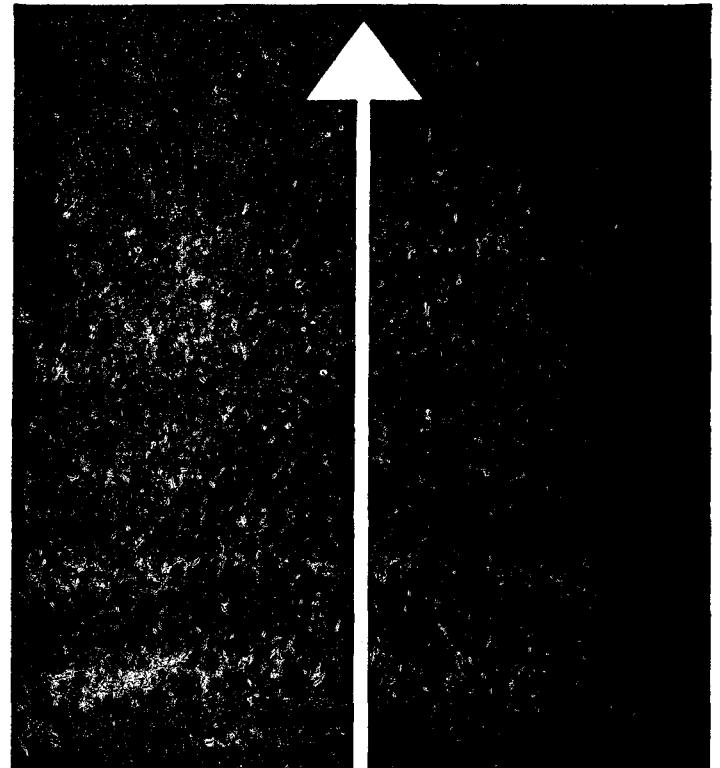
LOOK AT THE REST
OF THIS PAPER, DAMMIT!

F O P

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Athletic Manager Ault-Morgan Team

The team of Bruce Ault and Phil Morgan is running for ASCIT athletic manager. This statement will probably not cause great enthusiasm, nor will it increase the interest in this office. However, this is a job we want to do, an office we wish to hold. Athletics at Caltech are definitely on the move. Where? We're not sure, nor is anyone. However, with our increasingly dynamic coaching staff there is an excellent chance that sports are on the rise. Not only do we want to be a part of that rise, but we want to help in whatever way possible. The position of the ASCIT athletic manager is one which will enable us to work with the athletic department for the continuing development of sports at Caltech. Equally important is the position of the athletic manager as a voting member of the IHC. From the IHC comes the best contact with the students, the student houses, and inter-house sports. We will try to serve each of these areas through the office of athletic manager and the IHC.

We are running on a slate with Pete Wilzbach and Bill Bradley. This should be emphasized, since we share many opinions on the needs and goals of the students at Caltech. Even more, we share the enthusiasm and the desire to hold our respective offices and to fulfill them as the students here desire. We urge you, when voting, to remember all of these

B. Ault
P. Morgan

Dir. Stud. Life Langill

I am running for the office of cause I want to win—this may seem like a novel approach, but it's true. I'm not running for any grand and glorious cause—I'm sorry to say that I can't change Tech into another Peyton Place. However, I feel that I will do a good job if elected. I fully understand the duties of this office, but I'm running for it anyway. I realize that the office of Director of Student Life entails some grunge work, but I'm ready to meet it. The freedom and flexibility of this office appeal to me, for it will allow me to work on any worthwhile project encompassing student life. I can't promise a harlot in every house, but who can say what mystical, inconceivable things will happen if you vote LANGILL. Remember—A vote for LANGILL is incredible.

Langill

candidates as a slate. The coaching staff, the athletic department, and our outgoing athletic managers, Lonnie Martin and Tom Burton, have all set guidelines for athletics at Caltech to follow. We would like to, and will try to follow these guidelines to the greatest advantage of Caltech athletics.

B. Ault
P. Morgan

By-Law Changes

(Continued from page 1)

year and receive a copy of the Big T.

(Eds. Note: Any undergraduate who does not explicitly request to complete payments will automatically receive a refund for the payments previously made.)

3. Add the following section to Article XIII:

Section 8. Class Dues

Class officers shall have the power to levy class dues, not to exceed two dollars (\$2.00) for the academic year for the sophomore class and the junior class, and not to exceed five dollars (\$5.00) for the academic year for the senior class. Notification of the raising of class funds shall be made by at least three class officers jointly in writing to the California Tech and the student accounts office. The freshman section leaders may levy not more than one dollar (\$1.00) for the academic year by agreement of two-thirds of the section leaders. Notification of such dues must be made jointly in writing by all concerning section leaders to both the California Tech and the student accounts office.

4. Article XVI, Part C. the little t, Section 2.

Change:

The little t shall be published each year by one or more editors and a business manager to be appointed by the Board of Directors at the beginning of third term . . .

To read:

The little t shall be published each year by one or more editors and a business manager to be appointed by the Board of Directors before the end of second term . . .



Peter Wilzbach

ASCIT President Pete Wilzbach

project and have a vote on the ASCIT board. This will leave the rest of the ASCIT officers free to take care of their own duties and obligations.

In an attempt to get together a group of officers who can work together and ably represent the affairs of all students, I am running together with a slate of well-qualified candidates, who would like to work with me in trying to better our student government. These candidates are the following: Bill Bradley for Social Chairman, Steve Heisler for Activities Chairman, and the team of Bruce Ault and Phil Morgan for Athletic Managers. Together, we feel that we can do our best in not only unifying the campus, but also in bringing about new interest and participation in the ASCIT government.

Peter Wilzbach

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I'm very enthusiastic about the Y's Journey/Encounter programs and house sensitivity conferences. I've heard the Caltech student body described as "for the most part, walking corpses"; I hope such experiences will emphasize and improve interpersonal relations.

Regarding academics, I think far too many students leave Caltech disillusioned with science. Partly, they are weary of solving problems—doing well means doing the prescribed problems, imaginative thinking is optional and unrewarded, and not getting the right answer means a math mistake. I think in all courses the student should be able to arrange independent study, giving evidence regularly of his progress. Labs should emphasize learning by doing and should be graded pass-fail. I strongly favor an honors program and the opportunity to do research.

I think house social programs could be improved greatly by cooperation among the houses—the ASCIT social chairman, in his position on the IHC, should be given lots of encouragement, cooperation, and the necessary funds to accomplish this.

Athletics can be a rewarding part of life at Caltech; I think there should be better publicity of what facilities are available

Secretary

Derry Hornbuckle

Since I seem to be running unopposed, I'll take the opportunity for some general philosophizing about life at Caltech. As I see it, the purpose of ASCIT is to help Caltech students realize potentials in all areas. This includes academic and social activities, athletics, and also interpersonal relations and community awareness.

I'm very enthusiastic about the Y's Journey/Encounter programs and house sensitivity conferences. I've heard the Caltech student body described as "for the most part, walking corpses"; I hope such experiences will emphasize and improve interpersonal relations.

I think the research center can be an important instrument in developing awareness of social and community problems, besides offering academic and social possibilities. I was enormously impressed by the variety of interests and the enthusiasm brought to Caltech last summer by the thirty SRA's. I hope some of this feeling will be revived as more SRA's arrive for new projects, and I support the efforts of the research center.

Finally, as to my qualifications to be ASCIT Secretary: I've had experience as ExComm Secretary and Junior Class Secretary. As editor of the Little t I've met lots of people and shown some imagination and endurance (besides which, I know the By-Laws backwards after proofreading them three times). I was on the organizing committee of the Journey/Encounter program, a member of the Activities Committee and the Coffeehouse Committee.

Derry Hornbuckle

Hoopsters Lose Two; Frosh Win With Pool

Hopes for a league win darkened further this week as Tech lost twice again, to California Baptist 90-66 and to Redlands 70-34.

Hosting Cal Baptist on Tuesday, the Beavers combined poor free throw shooting (56%) with an even worse field goal record (31%). The poor floor performance must be attributed to the fact that three-quarters of the shots were from outside as Tech once again proved its inability to handle the zone defense in the first half by making only 27%, but improving in the second half against the man-forman. The game was lost, however, at the free throw line, converting 14 of 25 as CBC hit 26 of 34; and on the boards, being outrebounded 61-44 as the taller Cal Baptist players got numerous tips and second shots. Scoring was balanced with forward Ault leading with 17 and guards Fox and Carrie contributing 15 and 14 respectively. Heinz led all rebounders with 10.

On Friday, the Beavers chose to have their poorest performance of the season against the second weakest team in the league. Redlands held but a slight advantage in rebounding and Tech produced a fair defensive effort but hit only 21% from the field, with an inexcuseable 16% in the first half compared to 39% overall and 45% in the first half for Redlands. This, combined with 16 turnovers put the game out of reach at 41-12 at halftime. Tech played even in the second half but it was much too little, too late. There were no double figure scorers for the Beavers, but Ault led with 9 points. Heinz once again led all rebounders with 17. Not to blame for the final outcome, of course, was the very poor refereeing. Almost no fouls were called under the boards both ways and Redlands set many illegal and moving picks that went unacknowledged. With this the game deteriorated into more a battle of muscle than finesse, as Tech was clearly out-muscled

and was denied many rebounds and fair second shots.

Techs frosh lost to Redlands 75-37 by committing 43 turnovers, but beat Cal Baptist 79-77 as 6' forward Joe Pool scored 40 points and pulled down 26 rebounds, setting season's records in both categories and boosting his season's totals to 373 points and 186 rebounds to lead the team and achieve a 22 point per game average. Six-one guard Scott Needham added 19 points and 17 rebounds while 6'4" center George Meadows contributed 14 rebounds as Tech won the battle of the boards convincingly 80-56 and thus the game.

On Friday, February 7 the Beavers battle Claremont there, looking for a better showing against the team they have played their best league game against; and on Wednesday, Feb. 12 Redlands journeys here. Frosh games begin at 6:30 with Varsity tip-offs at 8:20.

Ruggers Win

by Alan Cope

The Rugby Club beat Eagle Rock 11-15-0 on Saturday to register their third successive win and to maintain their perfect record for 1969. The victory was satisfying, but painful as the opposition made up for their lack of finesse by playing in a hard physical manner.

Dick Lipes was Caltech's best player and his determination was rewarded with two tries. Other try scorers were John Gallivan and Nelson Briceno, while John Davies converted a penalty goal.

Next Saturday, Feb. 8, Caltech opens their league schedule with a home game against San Fernando Valley State College. Last season San Fernando won the league championship and were 17th in the nation's rankings. Their one set-back was an 8-3 defeat by Caltech, which should be repeated this year.

Fleming Wins I. H. Tennis

Interhouse Tennis finally ended after many postponements due to our delightful Southern California weather. Fleming won it with three seconds and a first. Dabney was second while Ricketts grabbed third. Lloyd was fourth with Page, Blacker and Ruddock following in that order.

Pischill of Ricketts won first singles while Miller of Fleming and Battelle of Page were far behind tied for second. Chw of Dabney edged out Madura of Fleming for first in second singles. Pendergast of Ricketts managed to slip in third. Another

Flem, Lomeli was gain edged out of first as Siegel of Lloyd took third singles. Fisher of Dabney came in third.

In doubles, not all of the matches have been played. The Fleming team of Isaacs and Turner won the doubles competition, 31-30 over the Fong and Konin team of Lloyd. Dabney's Joseph and DePauw and Blacker's Pearson and Stewart were tied for third. Next week is Interhouse track. Three houses appear to have an equal chance of winning: Page, Fleming and Ruddock.

Beagle Beats Baumgartner But Beavers Lose Two

Caltech's matmen had two meets last week and lost both, to University of California at Riverside (UCR) 25-11 and to strong Cal Lutheran 32-3.

Against UCR, the Beavers heavyweights were the only ones to win. Cox (160) and Woodhead (167) won, as did Baagle (heavyweight). Devinny gained a tie with his opponent in the 177 division.

Lewis lost his match at 145. Morris (123), Hornbuckle, Barber, and Taylor all lost by pins.

Barber (137), and Taylor (160) were all pinned.

Against Cal Lutheran, Beagle wrestling heavyweight, handed Baumgartner of Cal Lutheran his third loss in four years to highlight the match. The only other Beaver win was Langill in an exhibition match.

Cox, Woodhead, Lewis, and Devinny all lost their matches. Morris, Hornbuckle, Barber, and Taylor all lost by pins.

Sports Power Ducks Lose

by Bob Enenstein

It's official now! O. J. Simpson will play for the Buffalo Bills next year. However, the Philadelphia Eagle fans can't be too unhappy as the Kuharich Klutzes will enjoy the services of Leroy Keyes. The Rams, by drafting Larry Smith, Jim Seymour, and Bob Klein, should bolster their offensive attack. Depleted by injuries and old age last year, the Rams offense lacked the punch that enabled them to lead the league in scoring in 1967.

The mention of O. J. Simpson can start one thinking about power in sports. A good definition of power might be telling an opponent what you're going to do, doing it, and having your opponent not being able to stop you. For the last two years, U.S.C. gave O. J. the ball about every other play, but even knowing where the ball was probably going didn't help many defenses. O. J. still scored almost twice per game, while gaining about two miles of rushing yardage.

Another example of power occurred right here at Caltech. Any of you who saw the Whit-

Hocker

(Continued from page 9)

ning for ASCIT office. I don't know if you know me or not but usually I'd feel more inclined to write poetry, or better yet, paint, than go to a political activist rally. Still I've worked with ASCIT some, and have worked considerably on the Black SRA program. So I'm internally diverse and perhaps for me, for selfish reasons, the job of ASCIT president may be an abandonment of personal provincialism.

William C. Hocker
Candidate for ASCIT
President

Ducks Lose

The Beavers dropped the 400 medley relay to Occidental by a stroke, and Oxy was never headed as they went on to win, 64-49.

Sheffield was again the star of the team as he won the 1000 and 500 free, and lowered his own school record in the 200 butterfly. Wright won the 200 back (as usual) and was second in the 200 I.M. Hall just out-touched Stefanko as they went 1-2 in the 200 breast.

Kalisvaart, showing improvement, was second in the 100 free and third in the 200 free. Watkins swam well, and out-touched the Oxy swimmer to win the 50 free. Mikowicz was third in the 50, as was Tyson in the 200 I.M.

Johnson was second in both the 1-M and 3-M dives. He lost the 3-M by .85 points out of 180 points. Reedy was third in both diving events. This weekend, the Beavers swim CHM, conference champions and ranked second by the NAIA.

tier - Caltech basketball game know what I'm talking about. If not, just ask Steve Kraus about how easy it is to guard Hugh Fenderson. When a team doubles your score using mainly its second and third string players you get impressed. When they do it by just working for lay-ups, you know you've seen real power.

Next Wednesday, Caltech celebrates Lincoln's birthday with a sports doubleheader at Scott Brown Pavilion. While still pissed off at having to attend classes on a holiday, go join the Darbs and Scurves in releasing hostility by yelling at opposing competitors. At 4:30, the "Puppy" and company wrestle Whittier, and at 8:20 Scotty's Swishers battle Redlands, the second worst team in the league.

Fuhrman

(Continued from page 5)

Activities Chairman must work well with and in complete cooperation with the Social Chairman.)

Many of the Activities Chairman's former duties will be taken up by the new Directors of Student Life and Academic Affairs, so he can now be wholly devoted to organizing and presenting activities. (No more hang-ups with the Research Center and Project or Academic Reform Committees or the Coffee House for the Activities Chairman.) This lightened work load will now make it possible to spend a significant amount of time finding out what kinds of clubs and activities you would like to have. I also will be able to do a more respectable job of publicizing the activities you have decided upon than has been possible in the past when the Activities Chairman was doing the work of three officers.

In summary, I will try to make the office of the Activities Chairman a clearing-house for student ideas about clubs and activities by (1) finding out what activities and clubs would be worth having (in terms of student feeling); (2) setting up and doing the necessary things to put on these activities or develop these clubs; (3) publicizing the activities or clubs and getting students originally interested to spread their interest and enthusiasm; (4) getting feed-back from all portions of the student body about how to make future improvements. In other words, a Caltech student can get his \$22's worth only if ASCIT finds out his interests and keeps him informed of what's happening, when, and where!!

James C. Fuhrman

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Szolovits

(Continued from page 5)

with the normal services you expect of student government. You will want an effective Board of Control to make sure that the Honor System under which we have is upheld. You will want a Board of Directors which will look to your concerns for a social environment which you find likeable. You will expect an opportunity to meet with faculty and other students in ASCIT-sponsored events. You will expect an EPC to help you deal with problems of communicating with professors. All this is your right to expect by your membership in ASCIT, and all this it is the duty of your ASCIT officers to provide for you.

If on the other hand you are interested in an opportunity to be involved with an education different from the one traditionally offered by Tech, your student government also ought to provide the facilities to let you pursue your goals. A fairly small percentage of Tech students has taken this opportunity to actively participate in programs of

an unconventional nature. Even the academic reforms groups of two years ago actively involved only a minority of the student body. The Research Project and Center have attracted an even smaller number, and have unfortunately alienated many others because of the poor communications between those working in the project and those not in it. You must realize, however, that a person who holds an ASCIT office has to have some motivation to put up with all the demanding work of the office. He is not selfless or dedicated to learning what administration is about. He works because he gains some pleasure from the work he does. Creativity is supposed to be a big thing at Caltech. All our professors advocate it, yet there are very few courses where the opportunity to create exists as it does in the student government. This, the opportunity to try something that I hope will benefit the student body, is what I think is the major attraction to ASCIT office.

During the past two years, we
(Continued on page 12)

(Continued from page 4)
overtones of personal failure and pessimism. That is a subjective feeling of what Caltech is like . . . what do I anticipate as the needs of Caltech?

I think that things that have proven good at Caltech should be maintained and expanded to larger groups of students. That is a need. That is an obvious need, in fact. I mean that something that can be said to have a "good" effect on a relative small, special group of people should be, perhaps, made available in translated form to larger groups. Take as a first example group number seven, those satisfied with their social lives: this group includes those who have formed a more than meet-you-at-the-exchange-will-you-come-to-my-room relationship with girls. They may tell you that one of the most valuable aspects of an extended relationship with woman is the relaxed, non-deadlined friendship that may develop. These are the guys who are said to have girlfriends, and to have had them

Hocker Continues

a long time. How does their experience translate into possibilities for those who are dissatisfied? Well, I'd see it that what is useful for some Caltech students is not necessarily simply a forced exchange-dance-on-Friday-night but some sort of non-high pressure activity where there is a primary motive of people interacting together and only a secondary motive of boy meets girl. What is this in concrete terms? I like sensitivity conferences up to the point where they become an excuse for not interacting with people in daily life. I like having SRA's on campus. I like the Scripps student exchange idea. And I do like dancing: I just think that there should be other means provided for social encounter. (at this point I will make a digression . . . I've been so far talking about what to spoonfeed Caltech students—as if they are not capable of taking care of business for themselves. Basically my opinion is that I can promise you nothing unless you can be ex-

pected to do most of the self-beneficial work yourself. ASCIT won't work too well as MOTHER STUDENT BODY to nurse people all the time, but must be a mechanism through which a person can work to satisfy his own needs, and, incidentally the needs of some others.) So in the social environment of Caltech, I like expansive, people as people, ideas. And I have some ideas . . . suppose you like to dance, but find regular exchanges a bit below your level of interacting with people? It is possible in a situation with people who don't all know each other that techniques of sensitivity training can be applied in a context where people are meeting each other in order to have a good time together, listening to music, talking, dancing, becoming friends . . . another idea: perhaps Caltech could have a series of joint classes plus more on a regular basis with a local college. It might be lecture, then seminar, then microlab, then free time . . . But I am not running for Social Chairman. My way of thinking is that I have ideas, and other people who might be on the BOD have ideas and that, at the minimum, we should confer on the planning of seemingly unrelated programs in order for ASCIT to have an impact in making the Caltech environment better.

Back to my thesis of translating attitudes and programs from a successful group to a group wanting improving changes. It has been said that the Research Program in the Student Body of Caltech has perhaps been good for a small clique of the "social activists" on campus, but has done little to make life better for most students here; it has been said that the Research Program may have made things worse through the neglect of standard ASCIT activities. The complaints hold water if you assume that the duty of student activists is to satisfy the desires of those who apparently won't do anything for themselves. Maybe that is a bit harsh. If you are an ideological separatist, then I will say that my sympathies lie with both groups—I have played both roles. I believe that the decent question for the person outside the clique to ask is not "Why haven't you done anything for me?" but "What have you learned in programs that may be of use in designing a program that fulfills my needs?" I think that the expansive, optimistic, slightly mind blowing approach to things that has evolved in the Research Program is an approach that ought to be used in several aspects of Caltech student life. In the social program a wild program idea might be successful in getting girls to really want to come to Campus. A series of talks where academicians criticize their colleagues' work as being out of its all may reveal that the arts and sciences are not so cold after all. God knows what but something really unconventional might make the Coffeehouse thrive. So I believe in ASCIT attention being directed toward "totally Caltech" things but don't believe in equating internal concern with provincialism.

And I could go on and on. But maybe you already get an idea of what I'm talking about. I've thrown around a lot of platitudes of how to do things. I'd like to see the ASCIT BOD as a co-operative body that implemented its own as well as other people's ideas.

What are my motives in run-
(Continued on page 8)



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The future awaits those who plan for it. Isn't it time you planned for the future? If you're qualified, and would like to work with a variety of talented individuals (engineers, programmers, mathematicians, physicists, chemists) who continuously think in terms of tomorrow's challenge—there are opportunities today, at JPL.

The JPL Professional Staffing Team will be at Cal Tech on February 7, 1969. Contact your Placement Director for appointment. Or, send resume in confidence to Mr. Wallace Peterson, Supervisor, Employment.

(No. 3 in a Series)

At UC BERKELEY

Nansi Corson (center), Director of Placement and Career Planning, presents PhD Candidate, Albert Klain (standing in center) to Wallace Peterson (left), JPL Employment Supervisor. Reed Harker, UC BERKELEY 1956, (right), JPL Section Manager, Telecommunications Division, explains function of 1/10 scale model of JPL's Mariner '69.



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At Large Westerman

Men, no freshman knows anything.

The validity of that statement can be ascertained by consulting any of that acknowledged body of the truly learned—the senior class. Why then do the by-laws of the Associated Students call for a director at large, elected as a freshman? Surely given the initial statement this is a logical absurdity.

Why, then, does a freshman become director-at-large? Perhaps the ASCIT board is more intelligent than many people suspect. It may be that they wish to take this poor innocent freshman and give him a termis experience in the wiles of student government. Then, on that mysterious day sometime between registration sophomore yeat and the first PH2a lecture, when the miracle of true wisdom comes to the budding scientist (ah, who can doubt that sophomores have found the truth? Why, ask anyone in the class of '71), the ASCIT board stands to win big.

But enough conjecture, suffice it to say that I am here as a candidate for director-at-large. I cannot promise anything or make any claims. I can only say I will do my best to live up to the duties of the office. (After all, who expects to a frosh to know anything anyway?)

Larry Westerman

Tech Eds: Tech Team

Hello out there, bored readers! So its two o'clock in the morning and you've got insomnia and there are all these damn campaign statements to read, and you figure, if these don't put you to sleep, nothing will. Well you can't relax 'cause, this ain't gonna be a campaign speech. The two undersigned and overcommitted are taking over from a Barrel, which you are now under.

Seriously, the California Tech has the potential for becoming a fine paper. In the past, The Tech has garnered three All-American ratings from the American College Press. Since we are running unopposed we would like to use this opportunity to ask for the support of the Caltech community as writers, photographers, and most important, critical and involved readers. Teckers are some of the most creative, and also some of the most bullheaded, people. If their interest (or anger,) can be aroused sufficiently, they will stop at nothing to write the wrong (or get their own way.) The California Tech should be a meeting ground for a variety of ideas and opinions. How much variety will, in the most part, be because of you, the readership. We would like letters in reaction to our stories and editorials, and would appreciate story ideas which may be submitted by telling one of us or by dropping as a note by the box next to the Tech Office in Winnett.

One more thing, the above also applies to Grad students. The California Tech will cover the activities of all the students, and we would appreciate the involvement, as writers, of grad students and interested faculty also.

We hope to put out a competent and creative paper, with your help.

**Craig Sarazin
Ira Moskatek**

Dir. At Large: Clark

Tech does have a problem. Apathy. Nobody gives a damn. The students or the BOD. At a recent BOD meeting a commendation to Eldridge Cleaver for jumping bail was proposed and passed. Did you hear about this? Or if you did, is this an action a body that "cared" would take?

The BOD practically represents the students of Tech to the administration, yet they seem to remain an entity separate from the wishes and desires of the student body. There have been no petitions circulated, no board members have come to the houses to ask for complaints.

But the student body also must bear much of the blame. For years an effective administration has anticipated our desires, but they can't think of everything. Matters relative to social programs, exchanges, concerts, course changes or additions have had little or no consistent student influence in them. Also, that administration is changing. We have been lucky in the past, we may not be so

lucky in the future.

The "outside world" also gets much of its impression of Tech from the BOD. Without a student-BOD liaison, no effective job of straightening out Tech's social image can be done.

The administration of Tech has long been listening to the desires of the students. But for years they have heard little. At other colleges the students riot to get the same privileges we are given freely. But we almost never use them.

Tech is changing. Without effective communication of the students' desires through the BOD, these changes may not be what we want. We can have a hand in the shaping of Tech through a student-faculty liaison. Only the BOD can set this liaison up. I promise that communication.

Francis Clark

Vote!

Director At Large Glen Spain

Well, here I am running for ASCIT Representative at Large, so I'd better tell you why. This is not part of some formal speech, nor an essay on why you should vote for me, since such things are usually more boring than worthwhile. What I will do is give my personal reasons for running and something of what I would like to accomplish in that office.

First and foremost, I am concerned about Caltech. I think this is a great place, sure, or I wouldn't be here, but this is far from saying that Tech can't and shouldn't be improved. I want to see this place become a more human place to live, to improve the social life and living conditions in the student houses, and to have more reward than four year's hard work for a degree. I would also like to see as many improvements in the intellectual life around here as can be made, including seminars on current events, plays and so on.

Secondly, I am concerned

about ASCIT, both as an organization and as an idea. Student government should allow the students to get things done, to organize for change. ASCIT has both the name and the power to get what the students want and need, though it has failed in the past. I think that ASCIT is the only thing that we have that can represent us—ASCIT is us. We have the power now to turn ASCIT into whatever we want it to become.

Finally, I am concerned with what we, as students, can do in the real world. This is the idea around such things as the Smog Research Project and the Research Center (and, if you think about it, Tech itself). However controversial (and they are), they have tremendous potential and usefulness, if only we take advantage. Personally, I think they should be given student support and used to better our environment at Caltech.

The Representative at Large

(Continued on page 11)

**It's not
everyday you
can line up
an engineering
job at
General Electric.**

It's Wednesday, Feb. 19

It's the day the GE interviewer will be on campus. He's coming to talk to engineers. All kinds of engineers.

He'll be talking about the opportunities at General Electric. All kinds of opportunities.

Opportunities in research and development. Where an engineer can work on everything from jet engines to x-ray equipment to ways to prevent air pollution.

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Why not line up an interview now? And you might line up just the job you want.

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At Large Breakstone

As you may recall, there was an election last term in which an amendment to the bylaws of ASCIT, Inc. was passed. This amendment rearranged the structure of ASCIT and the IHC

somewhat and created various new offices. Among those is the office of the Director at Large, for which I am a candidate.

The various duties of the Directors at Large are: 1) to maintain a file of all ASCIT publications, 2) to distribute the ASCIT cards on registration days, 3) to be responsible for conducting the Red Cross Blood Drive (and probably give his own life's blood!) and the Consolidate Charities Drive, 4) to maintain a calendar

of events which are of interest to members of ASCIT, and 5) to perform other duties as specified by the BOD.

The most important thing about the Directors at Large (there are two of them) is that they are voting members of the Board of Directors. This fact should be in your mind when you vote for two of the candidates for this office on February 13.

I, Alan Breakstone, feel that I

would represent your interests as well as my own (let's not be hypocritical) if elected. I will perform the various duties prescribed and will try to maintain adequate communications with you, the students of Caltech, at all times. So, for responsible and responsive student government, vote for Alan Breakstone for Director at Large.

Alan Breakstone

At Large G. Stormo

What does Tech really need? A Good Director at Large!!!?

It is unfortunate that so many Teckers are unaware of and uninterested in the affairs of ASCIT. After all, they are members, paying members, of a corporation whose decisions affect each student. Two things are needed to make ASCIT more a tool of the entire student body. The first is greater concern and participation by its members. The second is more direct contact between the BOD officers and the student body. I think I can help with the second of these goals. I have participated in enough activities to become acquainted with more students than the average freshman, which enables me to represent more people. I hope that I will be representing you soon on the BOD.

Gary Stormo

At Large Jon Post

There is a moderately random bunch of teckers running for the office of Director-at-Large. To be blunt: six frosh. This situation is unprecedented; a fact which may be dismissed by certain individuals who claim that there was no such office last year. Nonetheless, it is an important office. Otherwise, why would half-a-dozen noble representative cross-sections of rampant intellectualism be running? Me, I dunno.

To list "qualifications" for office in a case like this is pointless. Does being a fencing team manager or sixth-grade blackboard monitor make a bit of difference? Is someone trying to sell himself to you on the basis of high school accomplishments? Wise up: you're a Tecker! You are too smart to fall for naive propaganda of that sort. THINK! Are you going to listen to the rosy quasi-political promises like "next term's Student Body Cards will be in full color, Three-D, and Cinemascope . . ." or "I think ASCIT should be a viable student-establishment interface . . ." Balderdash! ASCIT needs to do things. I mearly claim to have the sort of offbeat, non-standard, nonconformal imagination needed to get things done. Get out there and vote!

Jon Post

More Spain

(Continued from page 10) should be just that, a direct representative of ASCIT to the students and, more important, from the student to the Board. The student body must be kept informed about ASCIT activities and policy through such actions as having BOD meetings in the houses, posting and sending out complete minutes of all meetings, open seminars and question periods for students with complaints through house meetings, suggestion boxes and every other possible channel of communication. Finally, and most important, the Rep at Large should make himself the sounding board for student opinion in every phase of life at Caltech and the instigator of needed changes for the student body.

Glen H. Spain

The 5 billion dollar corporation you probably never heard of.

Funny how big you can get and still remain virtually anonymous.

Somehow we've managed to do it.

We're a group of over 60 companies, making everything from microwave integrated circuits to color television. And we rank number 9 in the top 500 corporations in the nation.

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But though you may not recognize our name, maybe the name Sylvania rings a bell. It's one of our companies.

You may even live in one of our telephone company areas. We operate in 33 states.

So here we are, 5 billion dollars strong, growing all over the place, and looking for engineers and scientists to grow with us.

Why don't you think us over with your Placement Director?

Incidentally, we are known in the communications field as General Telephone & Electronics.

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Treasurer Leonidas Guibas

I believe that the office of the ASCIT Treasurer is an important one for two reasons. Firstly the treasurer is the executive financial officer of the Corporations and so has to perform certain functions that, although routine, are vital to the existence of any corporation. In addition, the ASCIT Treasurer is closely connected with and financially responsible for the ASCIT Publications, as well as a member of the Fiscal Policies Board of the Research Project. In these areas I am inclined to view the Treasurer both as a source of ideas and as a restraining force, on the basis of his knowledge of the financial realities of the situation. Indeed he is the one who at all times has an overview of the entire fiscal picture, and so is well suited to come to a decision about the best allocation of funds among the different activities.

Secondly the Treasurer is a member of the Board of Directors and consequently he can influence the Board's decisions. Conversely, the Board needs the Treasurer's experience and financial knowledge for some of its most important actions. Looking at things from a more general point of view, I think this is a more significant function, because it gives the Treasurer greater leverage and power in serving the Corporation.

Aside from possessing the elementary skills that the office requires, I consider my many qualifications to be my strong desire to serve the student body and attend to its welfare. Because this year the ASCIT Board will be completely new, I think it becomes even more important to elect to this office one who is both competent in taking care of the fees that you pay, and

Kaufman . . .

(Continued from page 3) tion, or the use of videotape so that lecturers could see themselves and improve.

Even in conventional reading-lecture courses much could be improved. Would published class notes help or hurt? We must try and see. The Feynman Physics course is a failure; Feynman would be, and in fact was, the first to admit it. We must develop something to replace it.

In sum, the Institute must constantly try new things, constantly evaluate and reevaluate, in order to improve. The present system serves only to kill the enthusiasm of most entering students; to the degree, a great degree, that this inhibits learning, the Institute fails. We as students can help change that. That is what I shall try to do.

Berto Kaufman

Feinberg

(Continued from page 2) self a seat on the faculty Academic Policies Committee. It is important to be able to work with or against these people and not to be intimidated. I am personally acquainted with many of the 14 faculty members of this committee and can honestly say that I will not be afraid to actively promote my ideas or those that others offer as I come around and visit the seven houses.

Jerry M. Feinberg
Steven Patt

Szolovits

(Continued from Page 9)

have had very creative leadership, not only in the person of Joe Rhodes but also many other members of ASCIT and the Research Project and Center. The possibilities they have opened up for Tech students to do research on problems of their own choosing with immediate social applications must be kept alive and prosperous. At the same time, we must build new ideas to cope with the problems of you, today's students, and we must be sure not to neglect the basic but necessary services which ASCIT provides.

I am running for the office of ASCIT Vice President. If elected, I will serve as Chairman of the Board of Control, an organization of which I have been a member for two years, first as Representative at Large, and currently as Secretary of the BOC. I am deeply committed to the ideals of the Honor System and I will do everything in my power to insure that this spirit which we live under will be well protected and cherished. Hopefully, however, my duties

as BOC chairman will not prevent me from taking an active part in ASCIT as its real vice president.

The BOC is one of the functions which any Tecker can expect of ASCIT. To fulfill my interest in Tech and its student government, however, I would like to concentrate on a few other duties of the v.p. as well. Students today have representation on many of the faculty committees of the Institute and have been involved in major decisions such as the selection of our new Caltech president. So far, however, very little has been done to co-ordinate the efforts of the students representing us, and none of them are ever called to account for their actions or asked for their ideas by other students. I would like, as vice president, to establish a channel of communication between the student body and its committee representatives, perhaps in the form of coffee-hours to discuss vital issues.

One of these issues is the admission of women. Within two years, we can expect women at Caltech. Present plans call for them to live in a dormitory far

removed from the student houses. I do not believe this is wise, and would urge that some other solution be found. Caltech is in the process of soul-searching about the admission of minority students and non-science majors. Added student input on this subject is vital and I would work to bring it about. The possibility for an individualized educational experience should be investigated, and I would work to assure that it got some consideration.

If you are not interested in ASCIT or the opportunities to experiment which are available to you at Tech, I will of course provide you with the leadership for the BOC which is your right. If you are interested in the programs which ASCIT can create, I will try to work with you and support you. In either case, I will try to keep you informed of what is happening in ASCIT. If you would like these ideas in your vice-president, please support me. But remember that with ASCIT as with anything else, only your participation will lead to meaningful results for you.

Peter Szolovits

Black Coffee

(Continued from page 1) cularly to the managers. It goes to the Institute Administration, which is providing free room for four in the Coffeehouse and paying all utilities except telephone, a nontrivial matter. If they withdrew support we'd close in two minutes. But we've said all this before, and business is down to just above ten dollars a night."

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