

## The Tomb of Tut-Aukh-Amen Revealed for the Masses

by Gregg Brown

It was my priveledge last Tuesday night to attend the LSB Leakey Foundation lecture given by Dr. Brian Fagan on "The Tomb of Tut-Ankh-Amen."

This lecture, which Fagan refers to as a multi-media presentation, is an attempt to bring to the public the true story of the discovery of Tut-Ankh-Amen's tomb and its contents in the face of what Fagan describes as the "Tut-mania" brought on by the travelling display of the tomb's contents.

The presentation, a three-part combination of introductory information by Fagan, a slide show accompanied by narration and music, and final closing remarks, does a creditable job of transmitting to the audience the enthusiasm and historical wonder which the entire saga of the discovery of the tomb has brought. In a clipped—albeit fluently muddled during the slide narration—Cambridge accent, Mr. Fagan shows his excitement as an admitted layman about the insight which the contents of the tomb have brought to the world. As Mr. Fagan points out, the

tomb contained—for an unknown reason—no written documents and so a visual presentation of its contents is the only effective way of showing the importance of the find. During the slides, a well polished job of blended images and synchronised narration, Fagan not only traces the steps which led to the discovery of the tomb, but also describes the saga of the men who made it possible. Original photographs taken of the chambers of King Tut's burial are shown along with views of the objects after they have been restored, and a careful job is done of explaining to the audience the significance of the objects and their relation to King Tut's life.

This lecture has little of the normal listing of unimportant dates and boring-photograph-white-space-boring-photograph sequences that experts in any field seem to produce for lay audiences, perhaps because although eminently qualified, Dr. Fagan is not in the strictest sense an Egyptologist. Instead it is a very warm and very interesting presentation of this fascinating subject.

## Possible President Visits Tech

by Gregg Brown

Dr. Marvin Goldberger, Princeton professor of Mathematical Physics and Caltech Presidential aspirant arrived on campus last Monday to engage in discussions with students and faculty as part of the ongoing search for a Caltech president.

Dr. Goldberger spoke with individual divisions and with graduate and undergraduate students in separate meetings on Tuesday and Wednesday. "I haven't been offered the job, but I have to talk as if I had," said Dr. Goldberger, describing the difficulty he had dealing with questions that often began with phrases like, "What will be your position as President on . . ."

Nevertheless, Dr. Goldberger's visit marks him as a prime candidate, and as of last Tuesday the tenth, he was the only candidate whose visit had been definitely arranged. Subsequent visits by other candidates are expected, but no information was available.

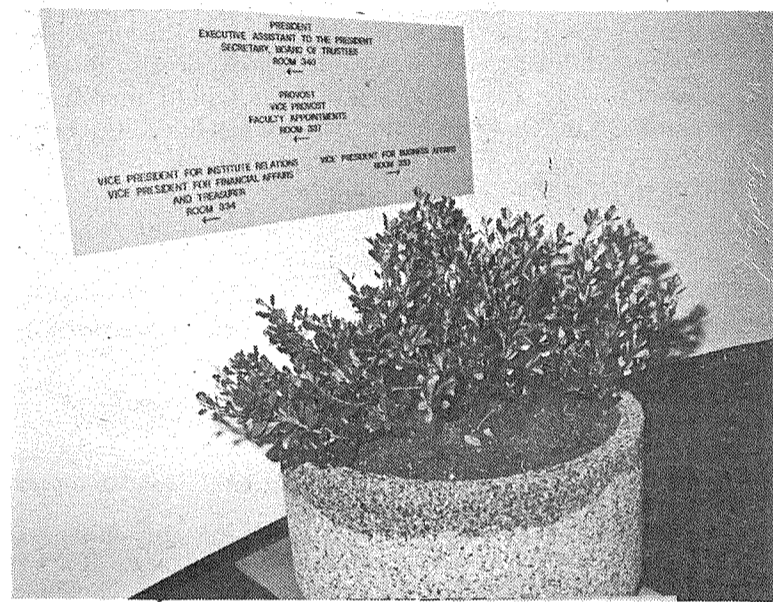
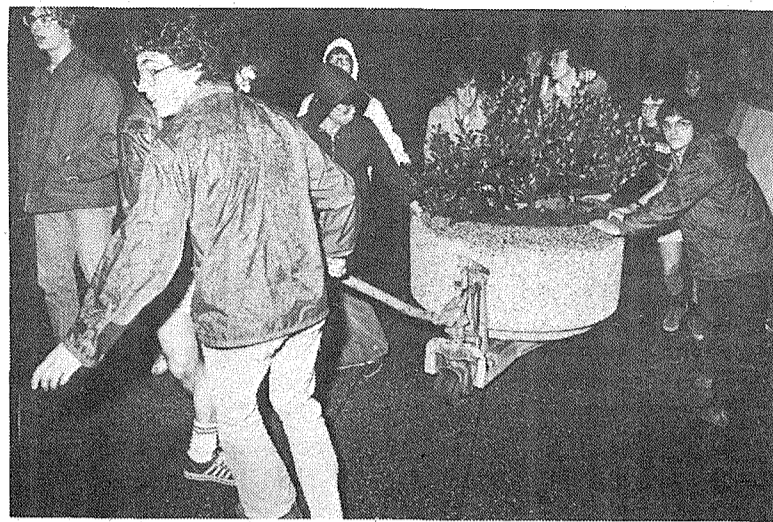
Among his academic qualifications, Dr. Goldberger lists his winning the Hienman prize for his work in physics and Graduate degrees from the University of Chicago.

Although his career has been dominated by his twenty-one year stay at Princeton as a professor, Dr. Goldberger's administrative experience includes Chairmanship of the physics department there and service on the President's Science Advisory Council from 1965 to 1969 and chairing the Federation of American Scientists.

He has been involved in matters of defense spending, weapons control and the SALT, as well as contributing to the recent report *Nuclear Power: Issues and Choices* as a member of the Nuclear Power Study Group.

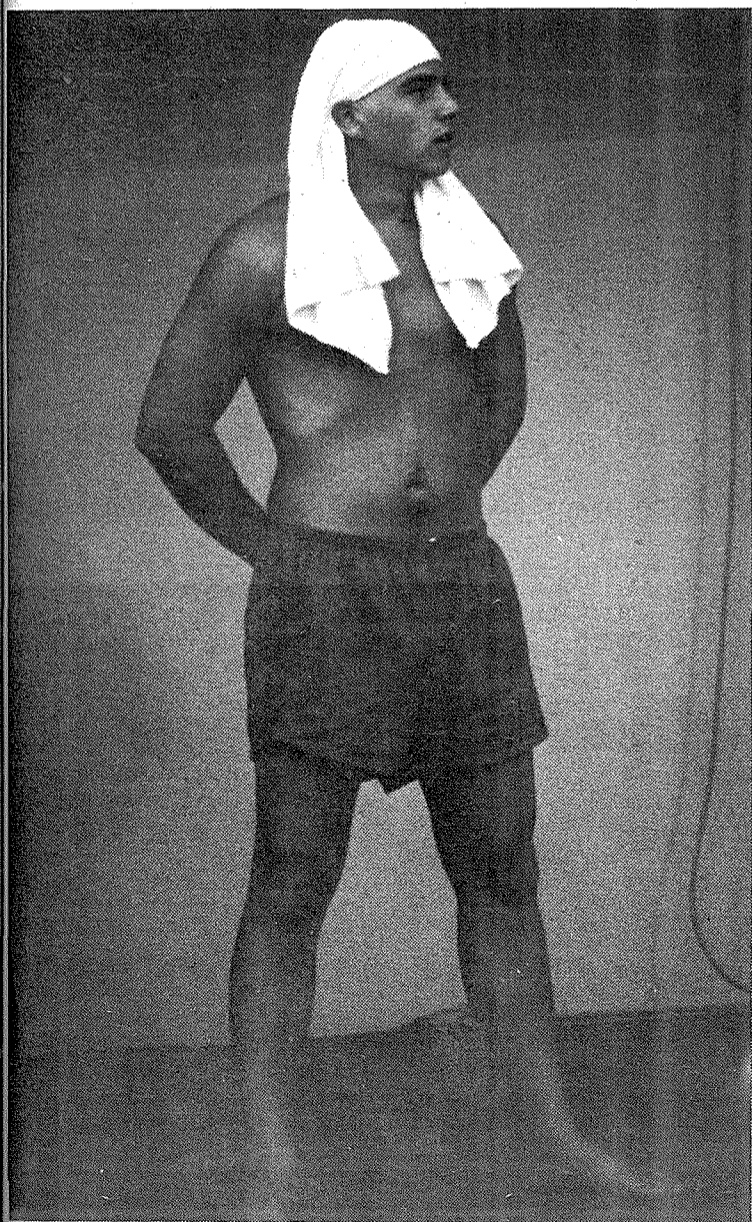
During the meetings with the humanities and social sciences faculty and undergraduate students, Dr. Goldberger expressed his interest in undergraduate teaching. Saying that he came from an institution that was extremely serious about undergraduate teaching, and that after twenty-one years of teaching there its policies and philosophies had become part of him, he remarked "I don't think it's bad to do a lot of thinking about undergraduate education. I think it's good, and I don't think that you sacrifice anything by doing it." In fact, he said that if he did become president, he would try to get senior research and professorial staff to teach undergraduates, indeed, he would like to teach himself.

On the matter of undergraduate student body size, Dr. Goldberger said that although it looks as if the faculty could stand more students without excessively taxing their resources, other considerations such as finances and housing would



P.H.W.H.&RR. workers moving pot to new home. Photo-Greg Bone  
The pot installed on Third Floor of Millikan.

## Recently Discovered photo of King Tut



## Physics as a Community

By Spencer Klein

"An aristocracy of merit" was how Dr. Daniel J. Kevles, Associate Professor of History described the American physics community. Dr. Kevles was discussing his new book, *The Physicists, The History of a Scientific Community in Modern America*. In it, he describes physicists as an elitist, undemocratic society.

In an interview, he said this is necessary because a relatively small number of physicists produce most of the significant results. Kevles added that this elitism produces a conflict with the rest of society.

For example, physicists feel that laymen are not qualified to judge the merit of grant proposals, while taxpayers demand control over where their money goes. Kevles added that he sees no resolution to this conflict.

Dr. Kevles feels the present system works well. He doesn't feel, as other authors do, that young, promising scientists are passed over in favor of older scientists who can be depended on for results, albeit mediocre ones.

Dr. Kevles said that he has been working on his book for the last ten years. He has written his book in conjunction with a course, H156, *The History of Modern Science*, which he has been teaching for several years. He feels working here has been valuable for three reasons. First, being here helped him to

## Quotations of Goldberger

By Richard Willson

"I've reached the time when I'd like to try something different," quoth Marvin L. Goldberger, candidate for president of Caltech. Professor Goldberger, currently the Joseph Henry professor of Mathematical Physics at Princeton, spoke to undergraduate students Wednesday in the Y lounge.

Professor Goldberger said that he felt that Caltech should not become an institution devoted entirely to research, but rather that senior staff members should be more deeply involved in the undergraduate program. In his view, such involvement is a major strength of the undergraduate program at Princeton, and he would like to set an example here, if possible, by teaching a class himself.

Other opinions Goldberger expressed included:

Caltech should put much more effort into student recruitment. "It's very important to go out and drum up business."

Although expansion of the student body would be feasible, he doesn't know if it would be advisable.

The H/SS division "Should not be taken out in the woods and shot just because it's not along the main track," but neither should the main line of endeavor be overly diluted by the humanities. It would not be possible to make a "5000 student, full-blown university" out of Caltech.

Continued on page five

Continued on page eight

# Beausoleil for President

Breaking an eight year lull, this editorial revives the old *Tech* tradition of the Editor's recommended ASCIT slate, with a minor difference. This year, I give a recommendation only for the position that I have direct knowledge of, having held it two years ago; that of ASCIT President.

From my experience in the office, I can state that any candidate who is interested in working with people and willing to learn will be a reasonable President, but not much better than reasonable. Of the six candidates this year, one is in the position to go far beyond this: Ray Beausoleil.

Through his work as Director-at-Large, and de-facto TQFR Editor, he has a working knowledge of the Institute and ASCIT superstructure. This means that as President he would not have to lose two or three months learning these ropes, as would the average candidate. Also, he has found an area of concern that he is already working on, and the title of ASCIT President would allow him to push much harder for really important changes in this area. Ray is the only candidate who has such a goal already in view.

Basically, while the other candidates would merely fill the position, and float with the tide for a while, Ray could immediately and actively use the position of ASCIT President to work for your benefit.

I suggest that you give the job to the man who can make the best use of it and vote for Ray Beausoleil.

—ed. Bielecki

## Letters to Home

Dear *California Tech*:

Please change my mailing address. The one appearing on the only copy of your paper I have received since subscribing is incorrect. Perhaps this is one of the reasons it took two months and sixteen days for my first copy to arrive. I thoroughly enjoy your newspaper (the little I've seen of it) and would like to receive copies faster since I have not received one letter from my son since he's been at Caltech and reading your newspaper is the only way I have of knowing what's going on there.

I will gladly pay the additional cost of first class postage if you would let me know the amount involved. Included with this letter are some postage stamps. I realize you are short of funds and staff, so, if my request will work a hardship on you, just ignore it (except for changing the name of my hometown).

Very sincerely yours,

Jeannine Bak

P.S. If you don't use the postage stamps to respond to this letter, use them to write your mother.

think there are those here who can appreciate watching their peers pit themselves against members of the "real world". I feel these people simply weren't informed.

I am by no means saying that Caltech would have won the game if you had printed a line or two (God forbid a paragraph) on the upcoming contest. The effect of the spectators on the players' psyches and performance is

Continued on page three

## Two Write Ins' Write Ins

To the Editor:

My hands are green, my face is purple, and my teeth are vivid red—but my movies will be in focus. And besides, you don't want me walking the streets Friday nights anyway. Write me in.

Mark Burnett

To the Editor:

After arriving at frosh camp and attending some classes, I gave serious consideration to transferring. However, now having survived my first term at Tech, I have decided to stay. I feel that Caltech, academically, is one of the finest institutions in the world. But, there are minor points of irritation! In arriving at my decision to stay, I firmly resolved myself to take an active interest in the school and the student body. If one is going to become intimately joined with something for four years, it makes sense to get involved and help direct your course of travel. In keeping with my resolve, I became a peer counselor, was chosen to be on a special committee designed to increase the enrollment of women at Caltech, and ran Ballroom Dancing. Now, although most people might say that Ballroom Dancing was not very successful, it nevertheless required a great deal of effort to run, and kept me busy all Friday afternoon and evening. In spite of general student apathy (which is most depressing), the dancing lessons continued all first term and I am

sure that the people who attended benefitted from the experience. In fulfilling my function as a member of the committee concerned with women enrollment at Tech, I have corresponded with various women applicants; gotten to know the admissions staff very well; and have become more aware of the admission "machinery".

At this time, I would like to expand the fruits of my efforts—in other words, I wish to become more involved in student affairs. I think that I would do a good job as director at large, for I am not only competent, but also enthusiastic! (a rare quality indeed these days—J.B.) [Please note that that was not an editor's note—ed.] Plus, although only a freshman, I am well known (and, hopefully respected) by much of the administration and faculty (due to previous interaction with same), allowing me to work with them quite easily. In addition, experience gained as a director at large, would prepare me more fully for other duties performed by ASCIT Board Members.

Some of the problem areas about which I am most concerned, are general moral student housing (including house-house interaction), and academic curriculum. I now appeal to my fellow students to give me a chance to express and/or enact some fresh ideas respondent to student opinion.

John W. Belliveau

## Lack of Sports News Assailed

To the Editor:

I find it a gross injustice to the Caltech community that last Friday's issue of the *Tech* made no mention of that evening's inter-collegiate basketball game. Surely the cause of this omission was not a lack of space. The words "Today is not add day" should have been dropped to give our team a front page billing. Alternatively, the editor could have griped a little less about the Olive Walk situation. At any rate, space could have been found. But it wasn't INCOMPETENCE,

sir, even if it was an honest oversight.

It is the function of this rag to report campus news. It is also a good forum of interesting things to do. Surely, a basketball game qualifies on one or both counts. 'Nough said.

Even though Caltech is not an athletically oriented school, I

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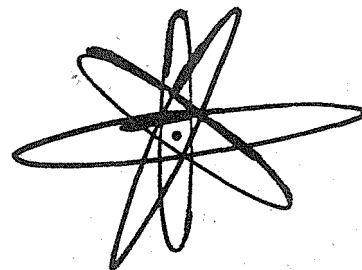
NEXT WEEK

Catch 22

## Texas Instruments COUPON SALE

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This coupon entitles you to \$5.00 off the regular purchase price of the TI 57 or the TI 51-II. Coupon is good only at the Caltech Bookstore and is valid through Feb. 1, 1978.



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Continued from page two

**Assailed**  
 difficult to ascertain. It is possible, though, that the number of Teachers attending the game would have exceeded the size of the cheering section the Mustangs brought to Brown Gymnasium.

Sincerely,

Kevin O'Neil

**Editor's note:** I am not sure that Caltech basketball game qualifies on either count (news or interesting) but let this pass. The Tech will hereafter, carry the week's athletic schedule in a news brief. Of course, if you tell me that the lack of spectators is due mainly to lack of advance notice, I may laugh in your face. The reason there was no story, was that there was no one to write it. The Tech writing staff, believe it or not, is doing the best job it can, and covering three or four games in a week is not feasible.

That, is the reason why I suggested some issues back that a person on a team could be very helpful by writing up the games. If Mr. O'Neil would have spent his time writing an article instead of dreaming up "gross injustices" to complain about, there might have been a basketball story in The Tech.

-ed.

Continued from page one

**President**

have to be considered before expansion could take place.

During the student meeting, several questions were asked pertaining to the attempts to achieve a balance in the Caltech faculty and student body. Not only did Dr. Goldberger's response indicate that he would do anything in his power to recruit qualified women and minorities, several faculty members after the meeting expressed surprise that students were unaware of the efforts already being taken by the faculty and admissions committees.

**For Seniors, Who are Graduating**

There will be a meeting of all seniors (ie, people graduating this year) in Winnett Lounge Tuesday night at 10pm. This will undoubtedly be vital to your future, so show up!

**The News That Didn't Fit**

**Companies Coming**

The following companies will be on campus to recruit all Degree Candidates during the week of 23 January-27 January:

23 January-Proctor & Gamble (Product Development), Rockwell, Technology Service.

24 January-Procter & Gamble (Product Development), Exxon, Procter & Gamble (Manufacturing and Plant Mgt. Div.).

25 January-JPL, B.F. Goodrich, Naval Ocean Systems Center.

26 January-General Dynamics, Xerox.

27 January-Amoco, Lockheed, USC (Graduate School of Engineering).

Sign-ups for interviews may be made in the Placement Office, Room 8, Dabney Hall.

**Caltech and Oxy Make Beautiful Music**

Under the direction of Kim H. Kowalke, the Occidental-Caltech Orchestra will give concerts at Thorne Hall, Occidental on Monday, January 30 at 8:15 pm, and Ramo Auditorium, Caltech on Wednesday, February 1, at 8:15 pm.

The program will feature Borodin's "Polovetsian Dances", Bach's "Brandenburg Concerto No. 1", and Hanson's "Symphony No. 2 (Romantic)".

Admission is free and the public is invited.

**Israeli Mime To Appear**

Shmuel Livne, internationally acclaimed mime, is being presented by Caltech Hillel on Thursday, Jan. 26, at noon on the Olive Walk Quad. Mr. Livne studied at the Tel Aviv Drama School and also in London. He has performed internationally, including at the Olympic games in Munich in 1972.

In case of rain the performance will take place in Winnett Lounge.

ADD IS Today

**BOD Dinner Hit**

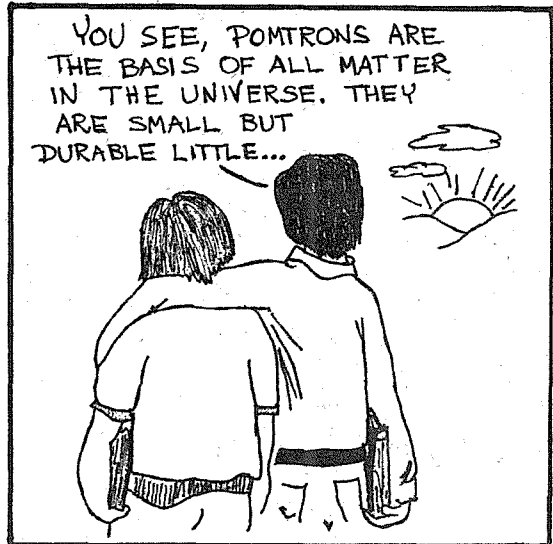
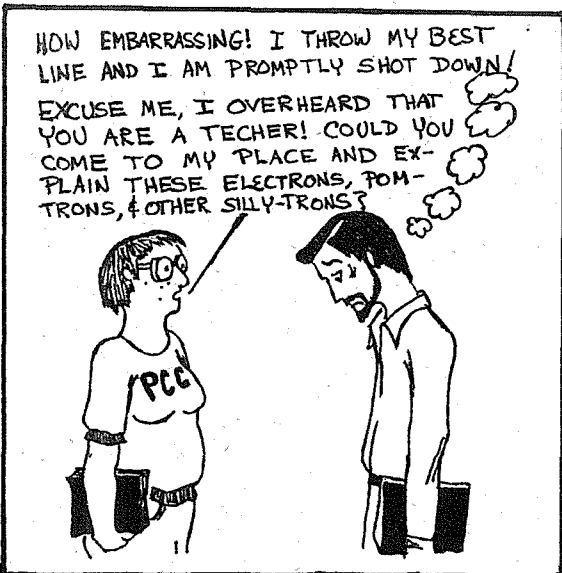
To the Editor:

We would like to inquire as to the reason the BOD and the IHC feel entitled to spend \$350 on their collective dinners. This means that the second term ASCIT dues of 50 students are going exclusively to feed these two groups. We are incredulous that the BOD and the IHC could not find a better use of \$350 (reduction of ASCIT dues, new jam room equipment, new

machinery for the student shop, etc). Although the Chronicle and the Bonaventure Hotel are certainly centers of culinary excellence, we believe that a Petrillo's pizza and a half gallon jug of Gallo hearty burgundy would be quite sufficient.

Robert Chess  
 Brian Dyer  
 Alex Kupiszewski  
 Jim Meador  
 Louise Saffman  
 Dan Whelan  
 Diane Wunderlich  
 & a host of others

**by PM**



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# ASCIT President

## Beausoleil

If you don't know what the ASCIT president does by now, then ask somebody; but be careful who you *do* ask, because you're liable to get a whole shitload of conflicting answers. Importantly, everybody should tell you that he's the guy who runs ASCIT, your favorite corporation. And he does. He gets plenty of help from the BOD, but in the end, if somebody screws up, it lands on him. *Initially*, then, you need an administrator.

As far as administration-type qualifications go, I've been on the BOD for a year as a Director-at-Large, and I think I've seen enough of what goes on there to be able to hand out the cash judiciously. I've even tried to oversee that damned bus of ours. In addition, I spent quite a bit of time helping with the last TQFR, a valuable publication which has the potential to become a great deal more significant than it presently is. (In fact, I hope to work heavily on 77-78's with the next Director of Academic Affairs). Finally, I am a member of the Caltech Y Student Excomm, a position which will have at least some merit from a social standpoint.

Okay, so I think that I can be a wonderful administrator. But my sincere desire for the position goes well beyond that. You see, the president holds a good deal more power than you'll find written in the by-laws. For example, he makes up the large part of the agenda for the BOD meetings, so that, in the long run, the BOD tends to emphasize those things which the president

## Veep

### Sirri

My name is Erik Sirri, and I am seeking the position of Vice President of ASCIT. The primary responsibility of the VP is to chair the Board of Control. This is an extremely crucial task in that the chairman guides the Board in its decisions and is frequently required to draw upon his own experience and judgement in deciding a case. I have served on the BOC since I was a freshman, first as a representative-at-large, and then last year as the Secretary of the BOC. Hence I have two full years of experience on the Board and am at present its senior member. Such experience is mandatory in order to correctly execute this aspect of the Vice-President's duties.

Another function of this post is to attend BOD meetings and, when necessary, stand in for the President and run the zoo. I have followed the workings of the BOD and am well acquainted with their practices(?) I have a sincere interest in the workings of the student body and am willing to expend the time and effort to do a good job in this regard. I promise you a conscientious attitude toward the office of Vice-President, and in turn ask for your support and vote.

Erik Sirri

himself feels to be important. This is probably fairly obvious, but I think it deserves mention anyway.

It would seem to me, then, that your hero must be able to assign the proper perspective to prevalent problems (alliteration) and then not let them drop. That is essentially the main reasoning behind my bid for election: I don't think we've paid enough attention to some of the more blatant deficiencies in the Caltech community. Sure, the Olive Walk is a problem, and it probably always will be. But it just doesn't compare with housing, social, and academic issues (The Big Three). We're beginning to identify housing and social difficulties around here, and I'm prepared to seriously act on recommendations made in conjunction with the IHC and ESC Chairmen. But, in the near past and present, there has been no concentrated effort, through ASCIT or any other student organization, to properly assess or correct the problems in the academic segment of student life. Let's face it: that's why we're here; it's about time ASCIT addressed the fact that there are many unreasonable academic policies sitting quite rigidly in the *status quo* which create a great amount of discomfort in our undergraduate lives. Of course, I can't promise that I'll solve all these problems, but I can assure that I'll make quite a dent in the way things stand now. Furthermore, I won't pursue this goal to the exclusion of all else; instead, I will give it the attention it does not receive now and so sorely deserves.

Finally, please vote for me because my mother has already told everyone in Phoenix, Arizona that I won.

Gentle Ray Beausoleil

## Eichorn

The president must be able to lead the BOD and the corporation as a whole towards the goals of ASCIT, which I believe should be to improve the quality of undergraduate life here.

I was a *California Tech* editor starting in my freshman year, I sit on the Institute Curriculum,

# ASCIT Secretary

## Friedrich

To many people on campus, the BOD is a group that tends to stay fairly separated from the student body as a whole. Although BOD meetings are open to anyone who wishes to attend, very few students know how the government is run. The only time the average person hears about the BOD is through an occasional printing of the minutes in the *Tech*.

I would like to see more interaction between student and government. Each person on campus should find out what the BOD is doing, and how these decisions are affecting all of us. As secretary, I would be in a prime position to see that this happens, by giving the BOD more publicity than it now receives.

Larry Friedrich

Patent, and Grievance Committees, and for the past year I have been president of Dabney House. As a result of these experiences, I am able to deal effectively with members of the faculty and administration, as well as to lead an organization.

The principal changes I would make in ASCIT would be to squander less money on marginal activities of interest to few more of an ombudsman for student problems with the Institute.

Eric Eichorn

## Kellner

Quite simply, in trudging through the Maryland marshland this winter, snapping photos of water-fowl, I decided to run for ASCIT president.

Why should I become ASCIT president? I could laud my qualifications. I was *Tech* editor, but I do have many saving graces that outweigh having been *Tech* editor. Of most importance is my interest in what ASCIT has the potential to become.

ASCIT has, on occasion, existed as an exclusive club. However, ASCIT, as a corporation, exists solely for the students good. The last three ASCIT presidents have stated their support of this ideal. I agree, and I support this ideal totally. ASCIT exists for the students, for the students' benefit, and for the student's good.

Al Kellner

## Kohn

The ASCIT President is the most important student representative. Not only does he provide the leadership to run ASCIT, but he must also represent the students to the faculty and administration. Having been a House President I feel that I am qualified to do this. I have also been active in the House Rehabilitation effort, which has put me in further contact with faculty and administration. I would appreciate the opportunity to serve as ASCIT President.

Jack Kohn

## Fruchterman

I'm running for the office of ASCIT Secretary for two reasons. First, I feel I can do the job. My experience as a member of the Y's Executive Committee and of two committees makes me confident I can work with the ASCIT BOD.

Second, I want to do the job. I enjoy working to get things done. This doesn't mean I'll just make sure that the minutes are posted within three days, but that I'll go beyond the responsibilities outlined in the By-laws, trying to accomplish what I think you want done. Give me the chance to do that.

Thank you.

Jim Fruchterman

## Kurilla

I think it's time you were given back the office of ASCIT President. It's not the office was taken from you, but it has been lying dormant for some time. The President is supposed to be the students' representative for the rest of Caltech. He should not be a "yes man" for the Institute officials making decisions concerning students. The President should be someone who is looking out for your best interests. This is what I would like to do.

As for qualifications, I don't think the job requires much other than a willingness to work and an obligation to finish what is started. I think I am qualified in these areas. My function as chairman of Cinematech has involved me in planning, all the way to post-event loose ends. The work has taught me that one person must be ultimately accountable and handle all the things that never seem to get done by anyone else. This is probably the President's most important job—to see that everything gets done, and then personally see to the things not getting done.

The President must speak not for himself or for a house, but for all of you as a whole. This means he must know what your opinions are. It is too easy for someone to assume they

understand your view, "know" what you'd say to something. My year as vice-president of Blacker House has made me stop and realize that only by talking with people can you ever learn what the opinions are. I feel I know a lot of people in other houses on off-campus, and therefore represent a large and diverse cross section of the undergraduates. Maintaining these acquaintances is very important to the President if he ever hopes to make the best decisions.

Finally, the President must be able to deal effectively with the faculty and administration. He would work with them, and not be used or simply ignored by them. At all times your opinion on your concerns, and your ideas will be the points that I will emphasize. I will do my best to make the faculty and administration see your point of view. I have the experience of serving on a committee for chemistry, so the above is not completely foreign to me.

The last point I will emphasize is that, as with any position at Caltech, from President of the Institute down to janitor, the job is what you make it. Many people, from Institute President down to janitor, don't make the job much of anything. I will make the job of ASCIT President something very valuable to all of you. Please give me the chance.

Michael Kurilla

# IHC Chairman

## Bible

First off, let me describe myself as completely impartial, extremely level-headed, completely sane, and one hell of a good liar.

Seriously, I believe strongly in the importance of the House System, as it is what sets us apart from other schools, and plays a great part in making life here not only tolerable, but interesting. For instance, the house system is directly responsible for house sports, R.F.s, the speedy acclimatization of new students, and in a large part, for the successful existence of our honor system. Thus, if the student houses are to survive the increased pressure of an expand(ed) enrollment and diminished budget, it is essential that the administration and faculty be made aware of their importance.

Now, to get this over with, I'll finish by saying: I would like to see the living conditions improve; I would like to see better food; and I would like to see every house have a Discobolus Trophy . . . . I feel I am qualified for the job, and I would appreciate your vote.

Thank you.

Bob Bible

## Wold

When a person sits down to write a campaign statement, he is faced with a problem. This problem is that a real campaign statement should be a masterpiece of propaganda that brilliantly explains a candidate's

qualifications and makes it absolutely clear that he is the best person to vote for. Needless to say, this is a very hard thing to write and I personally am not going to write a statement of that type. I feel for one thing that the people here at Tech are rational enough to make good decisions without any such influencing. Also I believe that Techers would probably be able to see right through any propaganda that I could write.

The major thing I wish to say in this statement is that I am very interested in becoming IHC chairman and would do the best job I could if elected. I can not really demonstrate on paper how strong my interest in the IHC is except to say that I have been going to IHC meetings for the last two years simply because I wanted to. Also, because I have watched the operation of the IHC for so long, I feel that I know, as well as anyone can without actually being IHC chairman, what the job involves. In other words, I know what I am getting myself into and I still have a sincere desire to do the job.

In this statement I am not going to write out a big list of things I will do if I am elected because what I would do depends on what needed to be done. My major goals would be to keep things running smoothly between the houses and to keep communication going between the house and the rest of the campus (B&G, the Deans, etc.); however, what specifically I would do, I don't really know. I am sure though that I could and would do whatever I needed to, to make sure everything runs as well as it can.

Marc Wold

## Dirac Copeland

## Miyaji

An inherent problem of any organization such as ASCIT is managing it efficiently. Prudent fiscal control is necessary to ensure each member of the corporation receives a fair deal. Toward this end I would encourage more student participation in the budget making process and careful evaluation of requests for portions of the ASCIT fund.

The president is also in an excellent position to organize the undergraduate population and improve student life. The previous officers did a good job of working with faculty committees and this must continue in order that the results will be realized. I would convince the Institute to reexamine the many students needs, such as athletic facilities, teaching quality, a student-responsive Caltech President, and financial aid. Improving Caltech is a continual struggle and I will take a very active role in encouraging change.

Wendell Miyaji

The position of Director of Academic Affairs should consist of more than editing the TQFR. It has great potential for involving ASCIT in the formation of the Institute's educational policy. Additionally, being intimately involved in the production of the last TQFR showed me that it's possible use as a tool for the improvement of course offerings and quality of instruction is largely being neglected.

These are things that could be changed by a person willing to involve himself with the administration and the faculty by attending meetings, sitting on committees and otherwise actively involving himself in the academic machinery of Caltech as an advocate for the student body.

I believe that I am the person to do the job since I am not afraid to pound on faculty members' doors (I was and am responsible for the faculty guest program in Lloyd), nor to improve the TQFR. Thank you for your support.

Jeffrey Copeland

## ASCIT Treasurer Sommerfield

Hi! Could I be honest with you for a minute? Things haven't been going well on the farm this year, what with the drought and all, not to mention the locusts. Mom has had it especially tough since Dad died and my brother Bruce ran away with his boyfriend. She almost lost her other leg in the accident when the combine ran into the barn. Thank goodness little Susy helped out until she caught the plague. Otherwise, I don't know what would have happened to the rest of us. The eight littlest ones hardly ever go to bed hungry anymore. The farm's 10,000 dollars in debt and Old Man Whittaker's foreclosing on us, so I thought ASCIT Treasurer would be a good prospect... OOPS! I mean job! So help a poor farm kid make it big in the city, won't you?

Maurisa Sommerfield

## Dir Soac Gonzalez

My name is Leila Gonzalez and I'm running for Director of Social Affairs.

I feel that with work and perseverance the social atmosphere at Caltech could achieve a greatly desired and needed improvement. I'm not promising miracles like ten girls to every guy at the All-Campus Party, but I do want the chance to give it a try.

Leila Gonzalez

## Editor Klein

Since I'm apparently the only one running for the office of Tech Editor, I won't bore you with a long, boring spiel about how qualified I am, except to say I've been working on the Tech for the past several months.

Spencer Klein

## Act Chair

## Bright

Attention Patriots and Loyal Citizens:

For the past year, evidence has been accumulating to the effect of communist infiltration into the ASCIT movie. Commie-pinko-liberal-fairy forces have insidiously converted the weekly movie into a vast propaganda machine intended to subvert and suppress the American Way. How's that for your typical Commie Conspiracy? Support the work of capitalist stooges and put the capitalist-imperialist-warmongers back in office, in order to exploit and enslave the masses.

Walter Bright

Continued from page one

## Quotations

A senior thesis is "worth thinking about."

"Students and faculty are the university. Trustees aren't the university."

"It's very hard to maintain an activity in which research isn't being done;" some types of HSS research would be appropriate for Caltech.

Goldberger would be "not terribly conservative" as president, but, as he put it, "This is a great institution. You don't perturb great institutions by coming in flailing about you." His general aims as a new president would be: to garner the friendship and support of the faculty, to seek the opinions of the experienced faculty members, to establish a rapport with the students, and "to work like hell."

Goldberger also commented that he has no desire to seek political office.

## BOC Sec'try Jensen

As representative-at-large of the Board of Control during the past year, I have had a certain amount of exposure to the workings and philosophy of the Board. While the dealings of the BOC are not always enjoyable, they offer a unique insight into human nature. I would like to continue being on the Board in this spirit, which is the reason I am running for BOC secretary. Oh yeah—how do I feel about public castrations? Never mind...

Jim Jensen

## No Shows

Gunderson-Dir. at L.  
Kamei-Dir. at L.  
Paxton-IHC Chr.  
Whelan-Tres.

## Close Encountered

Close Encounters is an interesting movie, but if you are expecting another Star Wars, you are in for a disappointment. The movie starts obscurely with a scene played out in the middle of a desert for no apparent reason and goes almost steadily downhill from there. We move on to Middle American Suburbia where the movie flounders for about an hour and a half while trying to make some statement about Middle Class Americans. It is here that the authors decided that the Aliens should make themselves known.

We are dragged through several scenes where an overactive but not very spectacular special effects department has their BIG CHANCE only to come up with some lousy flying saucers being chased by the Highway Patrol. Finally there are some "close encounters" where the aliens are in close proximity to the "earthlings". During these encounters the aliens manage to implant some strange ideas in the minds of several people and from that point on Close Encounters becomes second rate comedy. One man is chosen by the aliens for some reason other than intelligence and he and a bunch of his friends start building models of a mountain and humming a five note tune. They also wind up with nice sunburns for some reason not explained in the movie but having something to do with the exhaust of the alien spacecraft.

Our Hero is not a very good actor nor has he many other redeeming qualities, but he does give the audience a few good laughs as he tries to build this mountain in his living room. As construction progresses, his wife discovers that she is married to someone who is not quite all there. Eventually she leaves him and takes the kids with her. During this momentous scene he is busy tearing up his neighbor's duck pen for building materials and there are a dozen ducks running all over the place. This scene has got to be one of the highest points in the movie and that is not saying much.

Finally everyone figures out where the mountain is that they have been building models of. It turns out that the little tune is decoded into the latitude-Longitude coordinates of a mountain in New Mexico. The government "bad guys", headed by Francois Truffaut (in a less than stunning performance), are at the mountain before Our Hero arrives and have sealed off the area under the pretext of a nerve gas spill. Our Hero crashes through all of the barriers only to be caught by gas masked National Guard troops and taken back to headquarters. He is interrogated by Truffaut who can't figure out why all of these people want to come to New Mexico. Before they can ship him out of the area, he escapes with a woman whose child had previously been captured by the aliens and together they climb the mountain. They are attacked by helicopters armed with sleep gas, troops with rifles, etc. They keep right on going and arrive just in time to see the climax of the movie.

The first two hours of the movie are pretty worthless but the last 15 minutes is definitely worth seeing. It is a bit silly but

Continued on page eight

## Chan, George, Loh, Pursifull

I'm Ed Chan, and I'm running for ASCIT Athman. I have a wide range of interest in sports. I would like an opportunity to manage the athletic events for undergrads at Caltech. This includes better commercialization of letter jackets, letters, and better communication between athletes at Tech and the not so interested persons at Caltech. One of my major goals is to change the monotonous looking sport letters to a more respectable and fancier letters.

Edward Chan  
Glen George  
Eugene Loh  
Ralph Pursifull

## Ath Man

## Graham

The Athletic Manager's main duty is the coordination of the athletic award program. To do this effectively he should be readily available to students and receptive to their questions and requests. Too often in the past the Ath-man has been inaccessible and unreceptive to students. I live on campus and can be easily reached. I believe I can do a good job.

Bill Graham

## Directors at Large

## Angel

I'm running for Director at Large because I think it would be an interesting and fun job. I have no great ambitions of becoming dictator or anything like that; I don't even have any grandiose plans for any massive improvements if I'm elected. I just like to get involved and put my two cents worth in. In fact, the only campaign promise I'm going to make is to keep an open mind and show up at the BOD meetings. Even though I am an Angel I'm just an average Techer. I know what it's like to get lost in a course and I know what it's like to eat Saga food and I know what it's like to troll and/or flick all night.

I'll be glad to answer any questions that anyone has. The best way to find me is to call X2830. I will appreciate your vote.

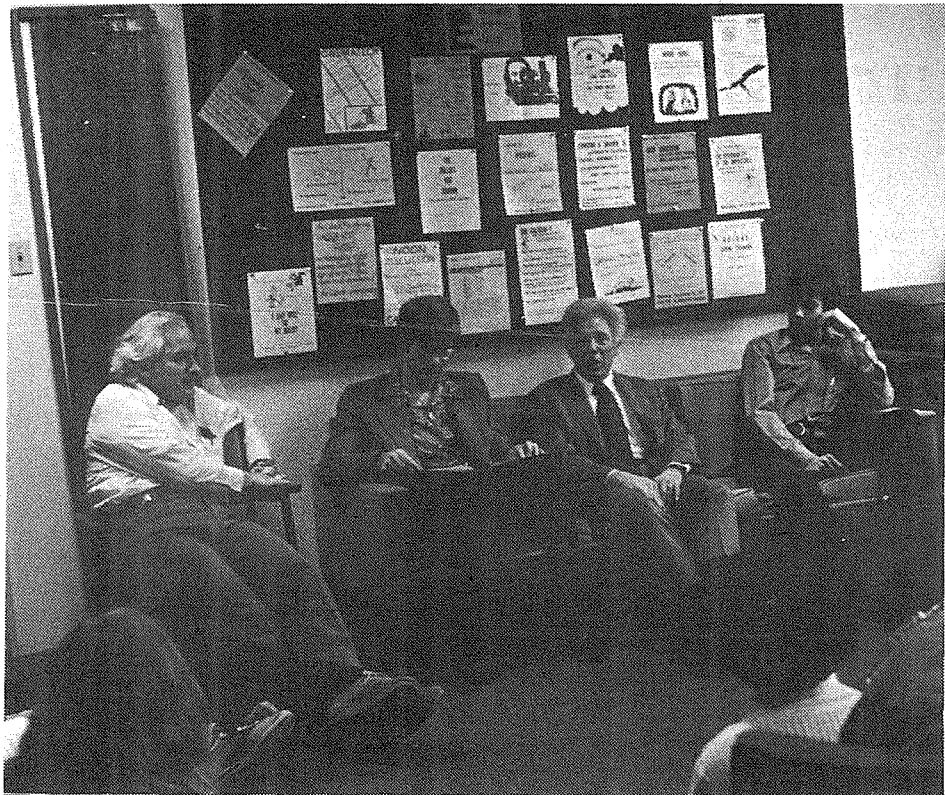
Sincerely,

Jim Angel

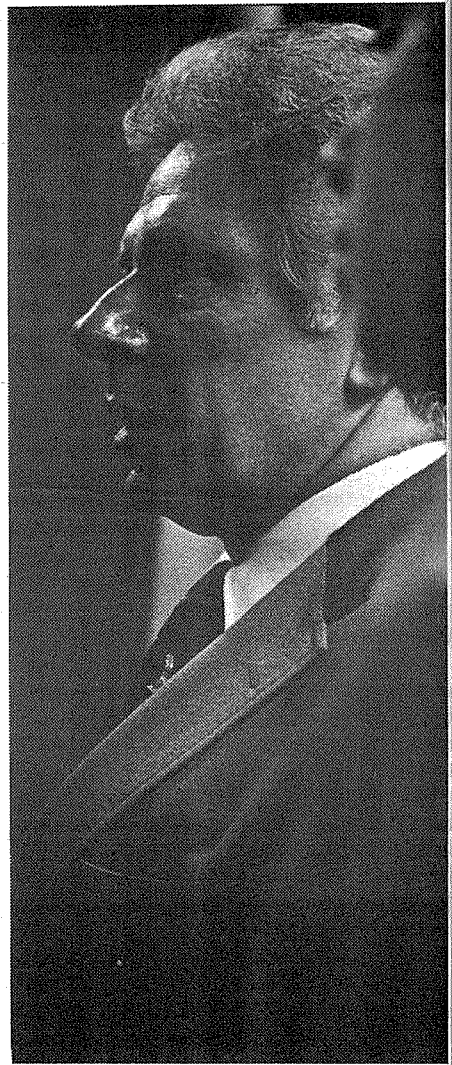
## Ohlsen

I would like very much to be your Director-at-Large representative on the BOD. I feel that I can bring the majority opinions into the policy-making discussions as well as my own, hopefully enlightened insights. I have had the opportunity to meet many members of the Caltech community and discuss Caltech with them through my involvement in water polo, track, Glee Club, Sailing Club, the ASCIT Musical, various Interhouse and house sports and social events. I think I can fairly and successfully influence the BOD to be at least receptive to the wishes of the student body. Please consider which candidate will do the best job and benefit you personally as well as the entire ASCIT organization. I hope that you will select me to this office.

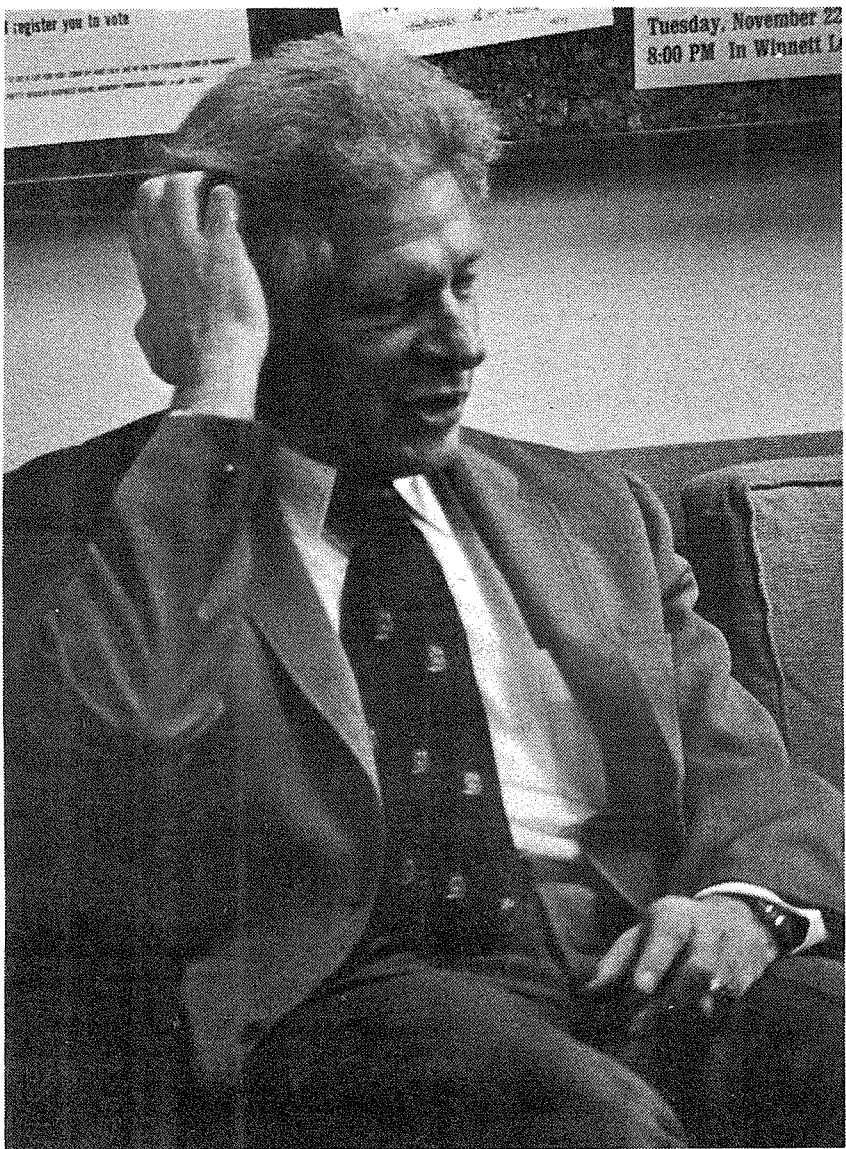
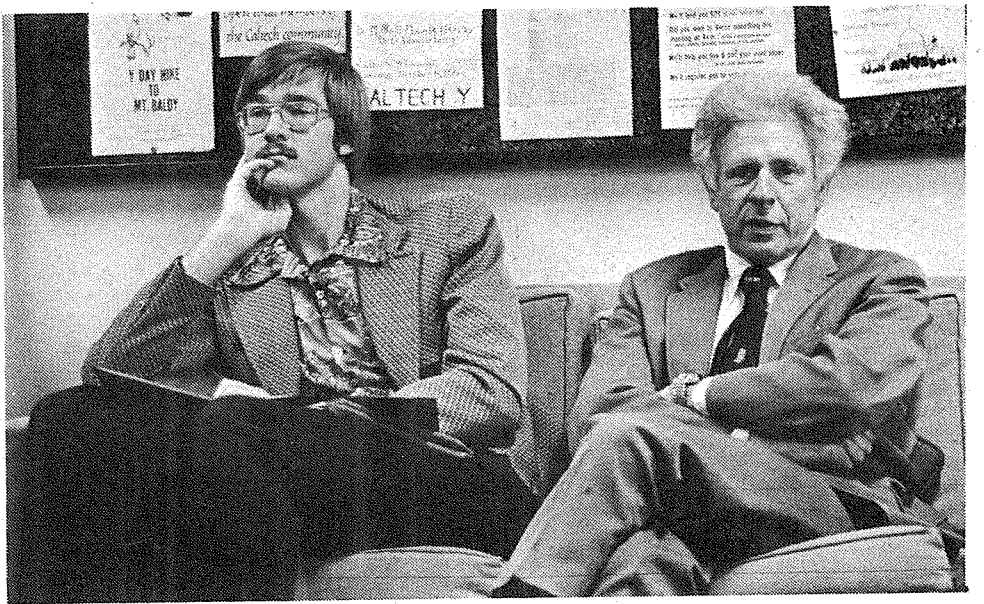
Dan Ohlsen



Photos by  
*Al Kellner*  
*Yin Shib*



# Candidate Dr. Goldberger



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# Football Needs All The News That Fits One More

Five new members are sought for the football team in order to bring the squad to 25, the minimum strength needed to field a Caltech team next year. Interested persons should present themselves to coach Gutman by the beginning of next week so that the team may be allowed for in the next athletic budget.

## You

oooooooooooooooooooo

### Norts Spews

There will be Caltech swimming meets on Saturday, Jan. 21 at 10:00 am, at the pool here, and on Wednesday, Jan. 25 at 8:00 at Pomona-Pitzer.

Wrestling meets: The Caltech Invitational Tournament is at the Scott Brown Gymnasium all day Saturday. The team faces Claremont-Mudd here at 4:30 next Wednesday, the 25th.

The illustrious basketball team plays Cal Lutheran at Cal Lutheran on Saturday night, at 8:00 pm.

### Romantic Comedies At Cinematech

This Saturday night Cinematech will begin its winter series with two comedies directed by Bergman: *A Lesson in Love* and *Smiles of a Summer Night*. Showtime is 7:30 in Baxter Lecture Hall. ASCIT and USC-\$1.00; General Admission-.50; children under 14-\$0.75.

### Commence

**Primary Ignition:** Weather permitting, the Deep Space Team will again be flying model rockets at Victory Park on Sunday, Jan. 22. The launch will probably begin at 10:00 am, however this is subject to change. All are welcome to watch, or to launch their own creations; see Rose Helu in 113 Lloyd for rides and information. As usual, D.S.T. members get 10% off on engines, and free flight crud.

### More Money

The General Motors Corporation is again inviting sophomores in Chemical, Electrical and Mechanical Engineering to participate in the GM scholarship program. Scholarships will be available to four sophomore students who are United States citizens and have expressed interest in careers in the automotive industry. The scholarships cover full tuition plus \$200 for books for each of the junior and senior years. Each successful candidate must work two summers for one of GM's divisions in the Midwest (which GM will select) between the sophomore and junior years, and between the junior and senior years. For this work they will be paid for all transportation costs and will receive a salary during the summer of approximately \$42 per day.

Nominations for the scholarships will be made by the Institute. As a preliminary action, each member of the sophomore class who is interested in this program should obtain the necessary application forms from Ursula Hyman-Kelly, Director of Financial Aid, Room 208 Dabney.

In order to accommodate the preliminary screening process for the final interview and selection by the GM staff, it is imperative that memoranda by interested students be received by Ursula Hyman-Kelly no later than Tuesday, January 31, 1978.

### Talk To The Animals

'Update', the Caltech Y noon discussion series, features Dr. Leroy E. Hood, Professor of Biology at Caltech, in a talk on "Immunology and Disease" this Wednesday at noon in Clubroom 1. This is the third in a nine week series of informal discussions with Caltech professors. BRING YOUR LUNCH and rap with a real live professor.

### Food Service?

A film, *The Incredible Bread Machine* will be shown this Sunday night in Winnett center at 7:30 pm. Admission is free. Produced by Campus Studies Institute of World Research Inc., the film presents a philosophical approach to free market economy, and individual liberties. An informal discussion will follow. For further information, contact Dave Carlan, X2171.

### Money Deadline

The California Student Aid Commission reminds college students planning to apply for a Cal Grant that the postmark deadline for mailing an application for the three undergraduate Cal Grant competitions is February 1, 1978.

Approximately 14,900 new Cal Grant A's (Scholarships) for undergraduate college students, 6,825 Cal Grant B's (College Opportunity Grants) for college freshmen, and 1,337 Cal Grant C's (Occupational Education and Training Grants) for those pursuing postsecondary vocational training, will be awarded by the commission in May 1978. Students who believe they will need financial assistance to pay for college expenses are encouraged to secure an application from their school.

### Money With Strings

Attention: Sophomores. There is now a two-year non-competitive AFROTC Scholarship available for your junior and senior years. The scholarship covers full tuition, books, and you receive \$100 a month stipend. However, there are a few strings; you must attend class at USC once a week for three hours a week and you promise to enlist in the Air Force as an officer for four years. The Air Force will guarantee that you will work in whatever field you major in. For further information see Ursula Hyman-Kelly in the Financial Aid Office.

### Ballroom Dancing For Fun and Credit!

Friday evenings from 7:30-10:30 pm, taught by Kathy Alumbaugh come tonight at 7:30 in Winnett Lounge. You can even sign up for PE credit.

The Mudeo will attempt to take place this Sunday at 1 pm, in the vacant lot on Del Mar west of Michican.

## Try

oooooooooooooooooooo

### Once More Into the Breech

There will be a naval miniatures game Saturday night at 7:30 pm in Dabney Hall Lounge (really, this time for sure). The Imperial Japanese Navy will be taking on the Royal British Navy in 1944 so there may be a few Long Lances launched, leaving little living of the limies.

Also, D&D and other fantasy gaming in Clubroom 1 on Friday and Sunday nights at 7:30 pm. Beginners welcome at all events.

### Donuts!

Don't forget doughnuts in Flora's office on Thursdays at 4 pm!



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Continued from page five

## Encounters

quite impressive. The government has built a large landing pad and an organ and is ready to communicate with the aliens. They have a theory that the five note sequence is really a special message telling the earthlings how to communicate with the aliens. The big (and I mean BIG) ship touches down after a while and a cosmic concert ensues that is all based on variations of the five note theme. The earthling computer takes over after a while from the enfrenzied human performer and things really get going.

After the concert, the aliens release all of the people who have mysteriously disappeared over the last thirty years. They are immediately hustled off into debriefing sessions and a new group is hustled onto the waiting ship for a trip into the UNKNOWN. Our Hero is included in this batch. The woman gets her kid back and the earthlings are all quite happy and inspired by the whole affair and Our Hero is never seen or heard from again. A happy ending of sorts, but abortive and incomplete. We are never enlightened as to the intentions of the aliens or told what the returning earthlings learned of.

The movie comes nowhere close to *Star Wars* in any department. There is no plot to speak of. There are no good guys or bad guys to root for. Even though they make it as obvious as possible what is going to happen next, you can't help wondering if it wouldn't have come out better if they had read the script once more before making the movie, and hopefully re-written it. The special effects are not very good. The music, although written by John Williams, who wrote the music for *Star Wars*, is not very inspired or memorable. The acting is poor and Truffaut gives an uninspired performance. All in all the movie is sort of dull and unexciting but definitely a cut above the average science fiction movie that you will see on the late-late show. If you have the money (\$4) and have nothing else to do with it, you may be entertained for a couple of hours, but I think that I would rather see *Star Wars* for the fourth time than see this for the second.

Continued from page one

## The Physicists

understand the community of physicists. Second, he learned a lot from the students in his science history classes. Thirdly, he said the Caltech archives, which contain the papers of Dr. Robert Millikan and Dr. George Ellery Hale, were a big help in his research.



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## Randomize The Frosh

"All these people moving off campus are ruining the house." So said one house president last year at an IHC meeting. And what did he propose to do about it?

He suggested that we make off campus living less attractive by raising rents for the apartments, essentially banning off campus students from ever returning to the house, and anything else the other house presidents could think of. Luckily, the other houses were not having quite the trouble with the mass exodus off campus as his was, so they tabled his suggestions.

When I moved off campus a couple of months ago I didn't get nearly the treatment that many of my friends got when they moved off last year. The mass exodus was in full swing then and the people moving off were treated akin to traitors. The prevalent feeling was that the house had given you so much and now you were turning your back on it. You couldn't leave until you had paid your dues to the house. Even now, off campus people are often treated like the plague in my house.

Why do people move off? Besides the obvious physical reasons, better food, and a quieter atmosphere, off campus life offers some variety compared to the stifling social life of the houses. The people in the houses all seem to fall into two categories. Either they stay in their rooms all the time or they're constantly involved in some house activity and urging you to become involved too.

The best solution to this problem was proposed at least 20 years ago, and probably more

like 40. The argument is that since the stifling nature of the houses is due to the homogeneity of its inhabitants, the houses should have people with diverse interests. And the best way to do this is to abolish rotation and have freshmen assigned randomly to the houses.

This was tried for a year around 1960 [actually, 1967-ed.] with inconclusive results. The students wanted to go back to the old ways but the faculty and Master of Student Houses (Robert Huttenback at the time) felt it hadn't been given a fair chance. The potential for failure of such an experiment is high, but so are the rewards if it works.

Director of Student Houses Robert Gang has finally decided to spend some money on the houses, and the amount will probably be from 20 to 50 thousand (B&G will also get a large amount for structural and other improvements). However, it is not clear that this is enough. Perhaps students should give some thought to abolishing rotation and to other ideas for alternate housing. For instance, there might be no reason why offering a different lifestyle for those who did not care for the house atmosphere.

With the possibility of large amounts of money being spent on the houses, it is time to at least consider serious alternatives to them. It is not clear what the best combination of alternatives would be. But it is clear that more students than ever want these alternatives. As Barry Goldwater said in 1964, the people want a choice, not an echo.

Kenneth D. Duncan

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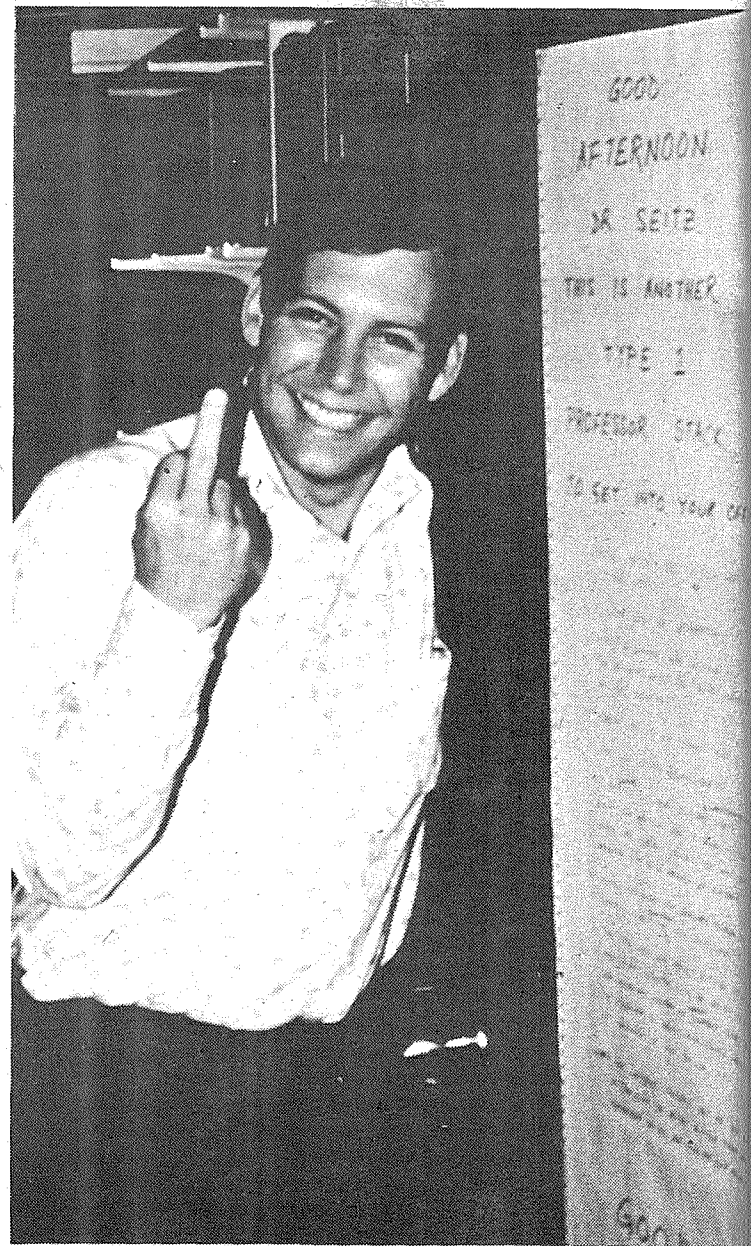
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STUDENT RUSH

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## Why is This Man Smiling



A cheerful Dr. Chuck Seitz welcomes students to his newly opened office  
Photo-Yin Shih

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