



Out with the Old, In with the Clue

by Richard Reid

You are all aware that for many years ASCIT has compiled and produced a course review handbook based on opinions collected from students. Perhaps you are also aware that ASCIT no longer publishes this report in its original form, which was the Teaching Quality Feedback Report (or TQFR). The purpose of this article is to remind you of the problems encountered by the TQFR and to inform you of the steps which have been taken to replace, and at the same time improve upon, the TQFR.

Recent editions of the TQFR suffered from an inexplicable fall-off in response rate which led to a statistically inadequate review of many classes. This was especially true for smaller, elective classes, those for which a review might be particularly useful to a student trying to optimize his schedule. It may be that this method of generating a course review handbook is not suitable for a college of our size. The quality of the reviews also suffered, in that there was a general trend towards flippancy, absence of tact and lack of effort in filling out the TQFR forms. This, combined with poor editorial policy, led to the production of TQFRs which were of little use to students and offensive to professors.

Efforts to replace the TQFR have resulted in the production of the CLUE or Course Listing of Undergraduate Education (not as meaningfully titled as the Teaching Quality Feedback Report, but we did not think we could make a convincing change and keep the old name). The first copy of the CLUE, which was distributed on registration day of first term, is the prototype of a new method of compiling a student course review. I obtained class registration information from the registrar's office and sent out a mailing to one student in each class offered third term last year, requesting that he write a 50-word opinion on how that class was taught. Comments were invited specifically on the professor's policies for grading and collaboration, his presentation of the material and the difficulty of the coursework, but students were free to tactfully address any aspect of the class that they thought deserved criticism or commendation. This was something of an experiment, since I had no idea what level of response would be received. It turned out that the effort was well supported and about 65-70% of the surveys were returned. This response rate is notable since these were randomly selected people who had in no way previously indicated that they were willing to write such a review. Criticism was, in general, presented in a tactful, productive manner, as is necessary if our "feedback" aim is to be achieved, and there is no shortage of accolades in the report either. I was particularly pleased with the high quality and good response rate since they are an indication of the desirability of and need for such a comprehensive publication by undergraduates.

News From The "Y"

BOO RADLEY - Come hear them play on the quad. SEAN, PETE & DAN will play with Kirk Swan, guitarist from DUMP-TRUCK, during lunch today.

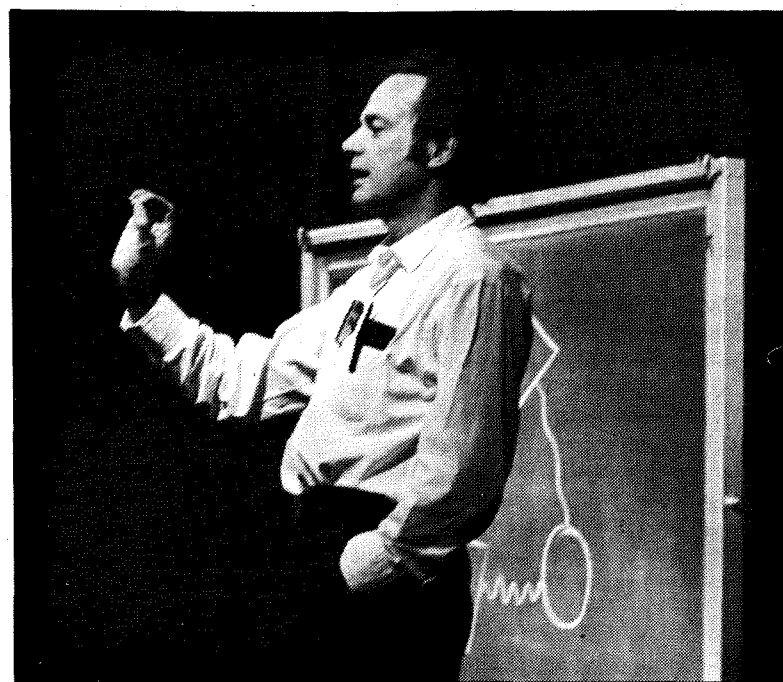
CHAMBER MUSIC - Listen to your friends perform Beethoven, Kuhlau and Mendelssohn 8:00 P.M. in Dabney Lounge tonight. It's live, good music, and it's FREE to all comers.

SCIENCE FOR KIDS - Have fun demonstrating your favorite science tricks to a class of elementary school-age kids. To join in,

just come by the Y and tell us you're interested.

SAT TUTORING - Help non-privileged high school students get an edge to get into college. If you wish someone had helped you out, drop by the Y and sign up to help out someone else.

GARAGE DEMOLITION - Do you feel destructive today? Sign up to help knock down a garage for Haven House (a half-way house for abused wives). Community service can be fun! Demolition is scheduled for Saturday, Feb. 4



The Feynman documentary on Tuesday promises to enlighten many.

This method of producing the CLUE was, as said before, experimental and not intended to be a permanent solution. Its primary drawback is that it has no built-in averaging mechanism so that the printed report is heavily subject to the personal bias of the randomly selected reviewer. The original intent was to make it part of the duty of the ombudsman to prepare this report. Since it is his function to convey the opinions of his classmates to the professor, he would be aware of the class sentiment and could add his own comments about the professor's response to, or implementation of, suggestions for improvement. ASCIT's course handbook should be a natural result of the continuous feedback from class to professor via the ombudsman. The stumbling block to this approach is that there are no longer ombudsmen in every class. Herein lies one of the two great problems facing the CLUE.

I will not dwell on the merits of the ombudsman system: I think they are indisputable, and at the Faculty Board meeting last Monday we asked that the divisions take steps to rectify the problem as soon as possible. Once this is accomplished it would be especially good if the Director of Academic Affairs could obtain from each division office a copy of the list of ombudsmen in all the courses of the division. This would simplify the task of the Director immensely and would ensure that the next copy of the CLUE, which will be compiled next summer, will contain more accurate and representative reviews for second and third terms.

The other major problem is a financial one. The prototype CLUE cost approximately \$1600 and reviewed third term only. A

handbook covering a full year would consume such a large part of ASCIT's budget that we could not adequately fulfill our responsibilities to student activities. With this in mind, and in view of the fact that ASCIT's original intent was to produce a "feedback report", useful to faculty as well as students, we requested at the Faculty Board meeting that they consider funding or at least assisting in funding the CLUE in the future.

The main points of discussion which ensued after the CLUE presentation, which contained essentially the information in this article, might be summarized as follows:

1) The faculty remain in support of the production of some form of course review for use by students and concur on the acceptability and effectiveness of the current format.

2) They are willing to reimburse ASCIT for its expenditures on the prototype CLUE and will continue to support it in the future. ASCIT would like to express its gratitude for this motion.

3) The only proviso on 2 above is that the Director of Academic Affairs should give an annual presentation or report to the Board describing the status of the CLUE.

4) In order to provide more effective "feedback" the Director will send copies of reviews to the professors as soon as possible after receipt.

Requests for reviews of first term will be sent out as soon as current address information becomes available from the MOSH's office. I expect that this will be early next week and hope to get them back one week thereafter.!

Who is Richard Feynman ?

A Week in the Life of a Tech Reporter

by Craig Volden

Monday evening: This week's Tech editourist calls, requesting an article on the *Nova* episode on Richard Feynman to be run next Tuesday.

"So, you pretty much want an advertisement saying, 'Watch the show?'"

"Yeah, but try to find out specifically what it will be about. Contact Public Relations and KCET-TV."

"Okay."

Tuesday morning: I go to Public Relations.

"Here's all we have." She hands me a sheet of paper:

Richard Feynman

NOVA---"The Last Journey of a Genius"

Tuesday, January 24, 1989

KCET Channel 28 at 8:00 PM

KOCE Channel 50 at 9:00 PM

She added, "Try calling KCET," as I left.

Tuesday afternoon: I try calling KCET, by finding out their Public Relations number for the station, calling, and requesting, "I'd like to know specifically what the *Nova* show next Tuesday will be about."

"Okay. I'll put you through to Program Information. Please hold."

Click.

"... and there are two accidents being cleared up on Interstate..."

Click. Dial tone.

Great. Make that three accidents. I tried again.

"Hello. I was the one who called about the *Nova* show."

"They weren't able to help you?"

"No. I was disconnected on hold."

"Oh, I'm sorry. I guess I could tell you what the show is about."

"Great." I'm thinking - please, no hold, no disconnections.

"Please hold."

Click. Silence. Click.

"Yes, the show is about Richard Feynman."

"I know, I was just wondering..."

"Oh, you just want to know the time of the show?"

"No. I know the time of the show and that it's about Feynman, but what specifically is it about - what part of his life?"

"I'm not sure even who this person is."

"WATCH THE SHOW THEN!" I went into a thirty-second-long explanation, only to be interrupted by, "So what is your question in one sentence?"

"I would like to know specifically what the *Nova* show next Tuesday will be about," I said, recalling that these magical words got me on hold and disconnected ten minutes earlier, an option I would have accepted willingly this time.

"Please hold."

Click. Whitney Houston this time: "People need someone to look up to. I never found anyone..."

Click. "Please hold."

Click. "A lonely place to be..." Indeed it was.

"Program Information."

"I'd like to know specifically what the *Nova* show next Tuesday will be about."

"Just a minute... um... Richard Feynman."

"Yes, but what specifically about him?"

"I think... er... he's... yes... he's the man who loved to make clay..." Pause. Long pause. *Very* long pause.

"To make clay what?" I imagined the planning room for *Nova* shows: "I have a premier physicist here." "No, he'll have to wait; the clay penguins will get better ratings."

Still pausing. Then, "No, I guess he's a physician."

"Was a physicist."

"Right."

"Do you know specifically what the show is about?"

"No, I didn't watch it."

"Do you know anyone who did?"

"No," in a "do-you-think-we-actually-watch-the-shows?" voice.

"I'm sorry. Bye."

Click. Dial tone.

A good reporter always tries to find something useful to say, so here it is: It's a "new" show. Watch it. You'll be among the elite few.

Wednesday: Writing the article to fill space. Nothing earthshaking. But wait! Pasadena was just experiencing a minor quake!!!

The rewards of enlightening the public are so great! If I didn't love reporting so much I'd run for editor.

Remember TO VOTE



ASCIT Elections

Beginning January 25 nominations are open for ASCIT Vice President, Secretary, IHC Chairman, Tech Editor, Director of Academic Affairs, and Directors-at-Large.

There will be a presidential debate at Baxter Lecture Hall Sunday, January 23, at 7:00 pm. Pizza and soft drinks for all!

Elections for President and Treasurer will be on Monday January 23.

statements

President

Eric Fung

Change.

If there is one word to describe the state of Caltech, that is it. Consider...

Thomas Everhart... Dan Langdale... Louis Wilde... Paul Gibson... Chris Brennan... the White Paper... admissions processes... student-faculty relations... the Beckman Institute. And more.

Caltech is in a dynamic state, and we must take every advantage we can. We can not afford to view matters in a perspective of one year or two. No, we must look decades ahead.

My opponents will probably say, "Eric Fung? He's just a sophomore! How can you expect him to know anything, let alone be able to do anything?" Yet, I have some qualities and assets neither of my opponents possesses.

From an ASCIT President, you should seek a number of qualities. Among them are experience, knowledge and initiative.

Experience. For one year, I was an editor of the *Tech*. In this capacity, I have been involved with a number of issues, and equally importantly, I have discussed pertinent issues with administrative figures. I am familiar with a large number of *different* issues.

Knowledge. You should expect from your President more than a cursory familiarity with a small number of issues. He must be knowledgeable about a wide variety of matters, for that will dictate his effectiveness.

I have been involved in a number of committees, including the Health Committee, Financial Aid Committee, BUSAC (biology), and CHUG (Coffeehouse). I have worked with Dan Langdale in admissions. I have talked to Dr. Everhart on a variety of issues, including his own views on affirmative action. Obviously, these span a wide range of issues.

Initiative. You should not expect a President to ride on past accomplishments—he must be prepared to act, to effect changes, to put policies into action.

I would do that. There are several things that I would like to see changed. Among them are student apathy, admissions policies, and student-faculty relations. These are not new issues. And that makes me wonder—if they are not new issues, then why haven't they been solved, or at least partially resolved?

Now, student apathy seems to be a generally prevalent phenomenon. But it doesn't have to be, and, in fact, many ideas with great potential are a result of student observations and opinions. Therefore, one of my goals is to get students at large more involved with the issues I have brought forth.

One of my greatest hopes is to hold a Student-Faculty Conference. The last one was held some years ago, and the one planned for the spring of 1988 never occurred. Such a conference would be a perfect opportunity for students to become involved with a broad range of issues.

Among these are the changing

views toward admissions—do we want a more well-rounded student body? How are we to make Caltech more attractive? What new recruitment methods must we take? Dan Langdale, the new Director of Admissions, will listen to our suggestions.

Similarly, there is much talk about making changes in the housing system. Do we want an eighth house? How about a Frosh house? How autonomous should houses be?

The Health Committee has recently been considering the addition of a new facet of health care. Do we want to accept them? Has the counseling center been effective? If not, what can we do to improve it?

Just as importantly, this conference will help us accomplish another important goal—better relations between students and faculty. Effective communication is necessary before such relations can exist. The conference should be viewed as a beginning in a sequence of events that continually aid students and faculty gain better understanding of each other's goals.

Another avenue I would like to pursue is improvement in the advisor/advisee relationship. An advisor can potentially serve greater function than a rubber stamp, but to tap such resources, we as students must work with Divisions and faculty.

A large number of these suggestions and observations surfaced at a recent meeting between students and administration. Clearly, such brainstorming is an effective part of accomplishing goals, and that is why I will hold more student meetings, publicizing and making them more accessible to a larger range of students.

It is a season of change. We have the opportunity to make positive decisions that could change the nature of Caltech for years to come. Let's accept that responsibility.

—Eric Fung

Mike Salisbury

They said I was supposed to write a statement so ASCIT members would be able to get a better idea of who they thought was best qualified to be ASCIT President. I suppose a statement will prove somewhat helpful in this respect, but I believe that history and personal reputations are more indicative of the type of person who should be elected. In view of this, I invite you to come talk with me or someone who knows me and knows what kind of a person I am, or at least attend the debate on Sunday.

I believe I was an effective ASCIT Treasurer. Due to the great number of tasks the Treasurer must handle, I wrote a complete set of procedures for future Treasurers, something I wish I had had when I started this job. I also wrote the letter to the IRS which resulted in the abatement of the \$3,000 late return fine from the BOD of three years ago. I have also worked extensively with people involved with student affairs. This experience I believe qualifies me to be ASCIT President.

My intentions as ASCIT President I suppose are fairly standard. I plan to have ASCIT replace the copier with one that works, and possibly along with that a new copy card vending machine system. I also want to make sure that the administration consults the students whenever they plan on making widespread changes in student life.

Along with this, I want to work with the administration on the other issues brought up in the recently discussed white paper such as the possibilities of additional student housing and improved existing housing and athletic facilities, as well as promote such student ideas as alterations in admissions policy or the association of each faculty member to an undergrad house. These I believe are the most important issues facing ASCIT at the present, and I will deal with other student issues as they arise.

I guess that's a short statement as far as statements go, but I have tried to be as direct and brief as I can. Again, if you are undecided as to your voting decision, please attend the debate, and most importantly, take part in the election next week.

—Mike Salisbury

Richard Reid

Howdy! My name is Richard Reid and I'm running for ASCIT President.

I have been a voting member of two Boards as Director of Academic Affairs and feel that I have acquired quite a bit of expertise in making decisions which affect the Caltech community. I believe that this experience and the accompanying exposure to the machinery and politics of the Institute are important assets which I will surely draw on in achieving my aims as ASCIT President. It is my belief that the primary function of ASCIT is to work towards improving student life, both socially and academically. I have made every effort in assisting with our defensive action

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Bruce Kahl, M.D., Director

THE CALIFORNIA TECH

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against the recent White Paper which threatened the former aspect. At each of three meetings with the faculty which I have attended since the paper surfaced I have been impressed by the fact that, contrary to the indications of the Paper, the majority of the faculty do care about undergraduate life and undergraduate concerns. Many believe that we do a fine job of self-government. At the recent brunch for student officers President Everhart even invited students to prepare a white paper detailing our own concerns for consideration by the faculty. If this task is not completed by the time the current BOD rolls out of office my BOD will certainly finish it. I have noticed at each of the White Paper meetings that, while students have voiced many and varied opinions about the quality of life at Caltech, there is a firm consensus that improvements can be made. These two attitudes, that of discontent on the part of students and apparent willingness to listen on the part of the faculty, seem to me to be good indications that now is the time to put together another Student/Faculty Conference. I will do so early in my term of office, before the momentum imparted by the threats of the White Paper is lost.

As ASCIT President I will of course continue my commitment to the CLUE. At the Faculty Board meeting on Monday we set the CLUE on firm footing in obtaining the promise of financial support

for future issues. I will of course help the new Director of Academic Affairs as necessary in the production of the first complete issue. More importantly however, I will continue to push for a reinvigoration of the ombudsman system, which has died out entirely in some divisions. This problem, and the poor quality of most student advisor relationships, are perhaps the biggest academic problems facing our community, and I believe that the student body president has a significant role to play in the achievement of this type of academic improvement.

The last point I would like to address is ASCIT's duty in the distribution of money to campus clubs and interest groups. Responsible and efficient handling of the public "ask ASCIT for money" meeting (held early in the BOD's term of office) requires a careful planning session shortly after the new BOD is installed. As President I will prepare the Board before the budgeting session by:

- 1) Establishing uniform criterion for club funding and,
- 2) Setting material goals for ASCIT which reflect the wishes of Joe Techer who wants something more for his money than the *Tech* and the *little t*.

This kind of serious consideration will also ensure that, after doling out money to various clubs and organizations, ASCIT has money for its own campus-wide social events (of which there have been far too few lately).

That's about all I want to say except to point out that for the past year I have held an office where the prime task (replacing the TQFR) was clear, yet difficult to accomplish. I was successful in that objective and am asking you now to put me in the President's position, with its larger scope for demonstration of commitment to improving the social and academic well-being of our community.

Thank you in advance for your support in Monday's election!

-Richard Reid

Treasurer

Yu-Hung Kuo

Once more, ASCIT elections have arrived. This is when the inevitable question of whom to vote for arises. This is a question you must answer yourself, but I hope to turn your vote to my favor. As a voting member of the BOD, I would be a representative of the whole student body, and I believe that I would make a good one. This is because I care about life at Caltech. Major changes are about to occur here as can be seen in the now infamous "White Paper." Like others of you, I was disturbed by what the report had to say. I too would like to see changes implemented to improve student life here. I would like to help start these changes by being a member of the BOD. I can honestly say that I am willing to put in the effort and time necessary as an active member of the BOD to improve the campus.

I ask you to vote for me so that the students of Caltech are not unheard by the administration. The new BOD must be capable of taking action so that the events to come will fully benefit us!

Yu-Hung Kuo

Gary Eastvedt

Hi, Happy Readers! Being a rookie candidate, I had no clue of what needed to be said here until I received some divine inspiration (in the form of Jeff Flint) instructing me to spew some random BS and make a joke about the exceptional math skills of Techers or some variation thereof. However, those of you who know me know that I have no basis to brag (or joke) about math skills. But I do have a calculator and it works. Enough bad humor for now.

So what does the ASCIT Treasurer do in between homework assignments, you might be

wondering? Well, it's just what you'd expect: he/she keeps track of the books and writes checks for the various branches of ASCIT. It's not difficult but it does take a significant amount of time. My reason for running is simple: I care enough about this school to give the time to do a good job and take an active role in the progress and evolution of this place we call Hell—and I'm dying to take on the I.R.S.

So come out and vote early and often. If elected, I promise to put some serious emphasis on those issues that concern us all (e.g. the neverending ASCIT van saga, the fair and adequate allocation of funds, etc.) and, for your convenience, I will try to develop an easily forgeable signature.

Give me an "x" and I'll give you a leader.

Please call me "Your Treasurership,"

-Gary Eastvedt

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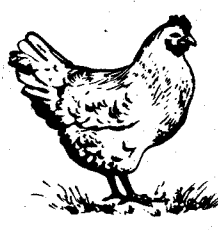
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— Steve Shaiman, General Manager, Hardware Group
CalTech, BS '72

“My work involves CD-ROM systems software and I’m responsible for all aspects of my project, which I started from scratch. The environment at Microsoft is intense—but easy going. If you’re a developer, as long as you do your job well, you can work in pajamas if you want. The Seattle area is gorgeous. I can’t think of anywhere else to live. The only problem might be traffic, but with flexible hours you can avoid the jam. There’s tons to do, especially if you like the outdoors or water sports. It’s also cheaper up here. I bought a four bedroom house I could not afford in the Bay Area.”

— Dan Newell, Software Design Engineer
Stanford, BS EE '83 MS candidate EE/CS

“Working at Microsoft means working with the best programmers around. You’re always challenged, and always learning. By the same token, you don’t waste time talking to people who don’t understand. Because all our managers are programmers too.”

— Doug Klunder, Software Design Engineer
MIT, BS CS '81

“As an OS/2 Program Manager, I am responsible for setting the technical agenda for the future of OS/2. My goal at the company is to make developers using OS/2 happy — whether by adding or changing system calls, developing new tools, or fixing minor technical oversights. It’s a real nice mix — I am in a very technical position, yet I don’t spend my days coding. Instead, I tackle high-level design issues, then negotiate them with the development team and sometimes other companies, such as IBM.”

— Michael Hyman, OS/2 Program Manager
Princeton, EE/CS '87

letters

To the Editors,

As Business Manager of *The California Tech*, I would like to thank the several people who have worked on the recent issues in order to give you, the reader, a quality newspaper to read. Without their help, the editorship of the *Tech* might have been left vacant.

Although there are now editors who have promised to run the *Tech* until the current term of office expires, the woes of the *Tech* are far from over. Most of the current staff are Seniors and there are few people willing to help produce the paper.

The *Tech* is a campus newspaper and needs the support of the Caltech community. This includes undergraduates from all houses, graduate students, faculty and staff. As with all Caltech activities, anyone who wants to help will be welcomed.

I realize that the *Tech* is an incredible time sink (I spend an average of 15 hours a week working on advertising) but with more people working on the paper, there would be less on the average for one person to do. I also acknowledge that the material payoffs for working on the *Tech* are few — three useless units of performing arts credit and for some jobs, a small amount of money — but I have found that the position of Business Manager has allowed me to develop skills that can't be taught in a classroom. So I urge you to join the staff of *The California Tech*.

—Mike McDonald

P.S. Give us some Humanities credit for putting out this thing!!

To the Editors:

Since my name was mentioned in the opinion article "An Ex-Editor's Rant At Everything" (*California Tech*, January 13 1989), I felt a responsibility to publicly respond. However, I do not feel the decisions in this matter were evidence of an "authoritarian administration". The steps taken to deal with the coffeehouse "scandal" were decisions of CHUG which is a group primarily of students (78%). When CHUG met to make the final decisions about the problems in the coffeehouse management, the group was made up of 60% students and our decisions were unanimous.

"He [Lodge] made it abundantly clear that he was working because no one else would."

During the summer, Lodge did work when supposedly no undergrads wanted to. The only period that really appeared difficult to schedule was "lunch", 3-6 pm (due to the fact that many of our 50+ employees had daytime jobs). CHUG decided to open during this period to provide a service to the SSSSP students providing we had employees to work (which we apparently did not have).

"He [Lodge] expressed that he was working because it would be sad to see the Coffeehouse close."

The Coffeehouse would have only closed between 3-6 pm Monday-Friday when basically only SSSSP students came to the Coffeehouse. As well, we only took in between \$30 and \$100 daily for this time period (approx. mean \$65) which did not really justify our being open to begin with.

"It is obvious that Lodge and others broke rules but I believe the rules need to be changed..."

This is a valid point which CHUG discussed. However, there seemed to only be two options — hire current Caltech students or open up our pool of potential employees to the general community (Pasadena). Since CHUG and the Vice President of Student Affairs both did not want to open positions in the Coffeehouse to outsiders, our decision was clear. By allowing Lodge to work at the Coffeehouse, it seems we were engaging in unfair labor practices — by allowing a non-Caltech student to work for us while denying others a job opportunity because they were not current Caltech students.

"...I believe the rules need to be ignored in this exceptional situation."

In fact, I did "ignore" Lodge's presence in the Coffeehouse for about one year, reminding him that he really had no role in the Coffeehouse but nonetheless not taking further steps to remove him from the Coffeehouse.

"...It seems that during the period when rules were broken, no undergrads wanted to fill the empty positions."

The point at which I finally stepped in was when Lodge began calling himself Head Manager.

This was at a point when three different undergrad students expressed an interest in being the Coffeehouse Head Manager, so Lodge was indeed taking this position from a current student. As well, this matter was pursued because of complaints from current students about Lodge's presence in the Coffeehouse.

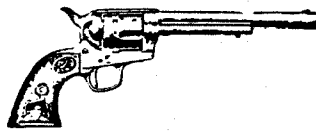
Yours truly,
—Nancy Matthews
Student Activities Coordinator

Dear Readership:

We regret that we were unable to print many of the letters and articles submitted due to space considerations. We received an unexpectedly large number of advertisements this week; in addition, we had to print ASCIT campaign statements. However, we will try to print the unused articles next week, as next week's edition will contain twelve pages instead of eight.

—this week's editors

P.S. Olivia rocks.



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We have four- and two-year programs that lead to an Air Force commission. You may also apply for a scholarship that pays some college expenses, plus \$100 tax free per academic month. Contact:

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Leadership Excellence Starts Here

Beavers Bitten by Tigers

by Randy Ralph

The Caltech Beavers dropped their first conference game of the season to the Occidental Tigers Tuesday night at Occidental College. Both teams came out with sluggish shooting early in the first half. As the game heated up the Beavers continued to play an even game with the Oxy Tigers, which brought the game to a tie score with a couple minutes left to play in the half. At that point the Caltech team broke down after an Oxy score with a couple bad passes into the hands of Oxy's press, and then failed to convert the next few times down the floor leaving them down by nine at the end of the first half.

The second half started with the now hot Oxy team grabbing another quick seven points before a Caltech score. Now trailing by sixteen points the Beavers regained some poise and tried to overcome the Tiger momentum with some solid team play, but it was not enough to overcome the deficit and the Beavers eventually ended up losing the game to the Tigers by a score of 67-44.

The Beavers' effort was marked by well-rounded scoring by their players. Leading scorers were Bill Swanson and Aram Kaloustian with nine apiece, followed by Jason Karceski and George Pappas with eight and seven points respectively. Bill Swanson also grabbed ten rebounds for the Beavers.

The Beavers continue their sea-

son with a conference game against LaVerne tonight on their home floor. The Caltech team hopes to combine tough defense with a steady patient offense tonight to provide a win for the team and the home crowd. Come on down tonight at 7:30pm and help cheer the team on to victory!

Crime Beat

From the Files of Hal Ginder

THEFTS:

- 1-15: CD Player, Radio, \$24 stolen from 1170 Del Mar following Ruddock party.
- 1-16: Bicycle stolen from north side of Kerckhoff.
- 1-16: Bicycle Stolen from south side of Jorgensen.
- 1-17: Gasoline siphoned from car parked in west Wilson parking lot.

Sundry CRIMES:

- 1-14 A powdery substance was tossed on a car parked north of Winnett on San Pasqual.
- 1-18 A student gave \$5 to a male Latin pan-handler claiming to have a flat tire.

Tip of the Week: Take advantage of the Security escort service when walking across campus at night

HAPPY HOUR at the dentist?



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what goes on

Submit announcements for *What Goes On The Back Page* on forms available outside the *Tech* office (SAC room 40A) and in the copy/mail room (SAC room 37), or use a plain piece of paper. Send announcements to 40-58, or put them in the IN box outside the *Tech* office. Indicate the date(s) the announcement must run. Announcements for the current issue must be received by 5 pm Tuesday and should be shorter than 75 words. Announcements will be published as space becomes available and will be chosen according to size and interest to the Caltech community. Announcements for commercial events unrelated to Caltech will not be published.

More Engineering Money

Equal Opportunities Publications, Inc. offers two non-renewable \$500 scholarships to honor outstanding women, minority, or handicapped students pursuing careers in Engineering. For information contact the Financial Aid Office.

National Roofing Bucks

The National Roofing Foundation offers a \$4000 scholarship for full-time students enrolled in architecture, engineering, or other curricula related to the roofing industry. Applications and information are available from Aimee Anderson, Scholarship Coordinator, National Roofing Foundation, One O'Hare Centre, 6250 River Road, Rosemont, IL 60018.

SAMPE International Awards

The Society for the Advancement of Material and Process Engineering will provide 27-\$1000 awards in international competition in April. Students in their freshman, sophomore or junior year may apply. Applicants must be recommended by the department head or scholastic advisor. Deadline: 1 February 1989. For information contact the Financial Aid Office.

Play With Money

The Caltech Student Investment Fund meets every Wednesday in Millikan Board Room at 5 pm. We have over \$140,000 we use to buy and sell stocks and bonds. Profits buy pizza and soda for every meeting, and pay for dinner at year's end.

Korean-American Scholarships

The Korean American Scholarship Foundation has 14 \$1,000 scholarships to aid full-time college students of Korean heritage, including graduates and undergraduates. The deadline for applications is January 31, 1989. For more information, contact the Financial Aid Office, 515 S. Wilson.

David Brin Returns!

David Brin, award-winning science fiction author, will give a talk titled "Tropisms, Big Telescopes, and Pyramids, or How to Accumulate Nifty Things for the 21st Century." The talk will be at 8 pm on Wednesday, January 25th in 22 Gates. His talks in the past have been interesting and entertaining, and have, on occasion, dealt with the topic in the title. Sponsored by S.P.E.C.T.R.E., the Caltech Science Fiction Club.

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Send written ad with payment to 40-58.
Deadline is 6 p.m., Monday before issue.
No charge for on-campus lost & found.

Coors Memorial Scholarships

Adolph Coors Company is sponsoring \$500,000 in scholarships to sons and daughters of American veterans this year.

To be eligible, applicants must be 22 years of age or younger as of March 15, 1989, and already be enrolled full-time in an accredited four-year institution of higher education in the United States, or an accredited two-year program leading to a four-year undergraduate degree. Additionally, they must have a cumulative GPA of 3.0 and be the son or daughter of one of the following: an Honorably Discharged American veteran, Active Duty military, Guard or Reserve military (minimum six years or called to Active Duty), or American service person Killed in Action, Missing in Action or who has Died in the Line of Duty. Contact the Financial Aid Office or any major veterans organization for applications.

Research Semester

The U.S. Department of Energy has announced a research program open to juniors and seniors interested in biomedicine, chemistry, materials science, engineering, reactor physics, atomic physics, nuclear physics, high-energy physics, environmental science, geoscience, mathematics, computer science, energy systems, waste technology, nuclear medicine, and automated inspection/measurement systems. The program provides a stipend, housing and travel reimbursement for a variety of activities including hands-on research, seminars, academic courses and advanced instrumentation training. Applicants must be U.S. citizens or permanent residents and must have GPAs of 3.0 or better. For further information, stop by the Deans' Office. Applications are due by March 15, 1989.

Folk Music In Dabney Hall

The Caltech Folk Music Society presents Martin and Jessica Simpson in concert on Saturday, Jan. 21 at 8:00 pm in Dabney Hall Lounge. Martin Simpson is a highly reputed folk guitarist, and Jessica Simpson joins him to perform a repertoire ranging from American blues to English ballads. Tickets are \$7 in advance, \$8 at the door, with \$3 off for Caltech students. Advance tickets available at the Caltech Ticket Office, 332 S. Michigan.

Mensa Money

Mensa Educational and Research Foundation is offering opportunities for students to win scholarships ranging from \$200 to \$1,000 in the Annual Mensa Scholarship Essay Contest. Entries must be postmarked on or before February 1, 1989. Applications are available in the Financial Aid Office.

Chamber Concert

On Friday, January 20 at 8:00 pm, three Caltech freshmen will present a chamber music concert in Dabney Hall Lounge. The concert will feature the music of Mendelssohn (*Piano Trio #1*) and the *Ghost Trio* by Beethoven. Admission free.

Wind Ensemble Goes Pop

The Caltech Wind Ensemble (Concert Band) will present a "Pops" concert on Saturday, January 21 at 8:00 pm in Ramo Auditorium. This FREE concert by the forty members of the Caltech ensemble will include music by Mozart, Grainger, Sousa and Gershwin. Also on the program is a composition that features the artistry of Caltech flutists Mary Rowe and Dawn Sumner. There will be a reception with food following the concert.

Summer Biomedical Program

The Jackson Laboratory of Bar Harbor, Maine, is offering a summer program of biomedical research. Each student conducts original, hands-on research as a contributing member of a sponsoring scientist's research team. Projects are tailored to the student's background and interests. Research areas focus on advancing the knowledge of molecular, developmental, genetic, biochemical, and immunological mechanisms related to normal growth and development and human disease. The Laboratory's extensive resource of mutant and inbred mice strengthens this basic research.

Stipend: \$1,000 plus travel allowance.
Housing: Room and board is provided at Highseas, a Jackson Laboratory residence at the shores of Frenchman Bay, and is paid for by Jackson Laboratory scholarship funds.

Application receipt date: February 28, 1989. Selections will be made and applicants notified in late March.

Program dates: June 18 to August 15, 1989.

For further information and application forms contact the Training and Education Office, The Jackson Laboratory, 600 Main St., Bar Harbor, Maine 04609.

Carnegie Summer Bio Program

The Department of Biological Sciences of Carnegie Mellon University is offering a summer undergraduate research program in '89. The program is designed for college students who are interested in research careers in the biological and biomedical sciences and who aspire to attain a Ph.D. Students who have completed their junior year and who have strong academic records in the sciences will be given preference. Prior research experience is helpful but not mandatory.

Students selected into the program will receive a stipend of \$2400 and will spend 10 weeks working with an outstanding faculty member in one of the Carnegie Mellon laboratories. Students will also participate in special seminars.

An application and a complete description of the program, including a list of the sponsored projects and participating faculty, can be obtained by writing to: Dr. Eric Grotzinger, Department of Biological Sciences, Carnegie Mellon University, 4400 Fifth Ave., Pittsburgh, PA 15213.

Money For Marin Residents

The Marin Educational Foundation is offering Marin Educational Grants for the '89-90 academic year. Applicants must be Marin County residents and must complete a SAAC or FAF. The deadline for applications is April 1, 1989. For more information, contact the Financial Aid Office.

Work In Japan?

If you missed the presentation about working in a Caltech alum's Japanese factory last week, you still have time to submit a brief letter of interest to the Deans' Office. The deadline is Monday, January 30th. If more information is required, talk to Paul Amadeo or Eric Hassenzahl, last year's participants.

SAC Has Big T's

If you are entitled to receive a 1988 *Big T* and are having a hard time finding one, come to the SAC! Nancy, SAC Coordinator, has *Big T's* in Rm. 64. Simply sign your name on the *Big T* list when you take one. Note: those not entitled to receive one may also take one and be billed \$24 by the *Big T*.

Women for Guatemala

Dr. Raul Molina and attorney Frank LaRue, two representatives of the U.N. Delegation of the United Representation of the Guatemalan Opposition, will be addressing the current situation in Guatemala under Vinicio Cerezo's regime and the status of the National Dialogue and the Central American Peace Plan. The talk also features authentic Guatemalan food and music by "Quetzal," and will be held at 7:00 pm on January 28 in the Queen of Angels Church Auditorium, 100 W. Sunset Blvd. in La Placita. A \$7.00 donation is requested.

Self Defense For Women

The Pasadena YWCA is sponsoring a self defense class for women. The next class will be held on Saturday, January 28th from 10 am to 4 pm at the Pasadena-Foothill Valley YWCA, 78 N. Marengo Ave., here in Pasadena. The instructor will be Maria Doest (Certified by the So. Cal. Rape Hotline Alliance). Fee is \$15 per person (no one is turned away for lack of funds). All women are welcomed. Because space is limited, please preregister. For further information about classes, call (818) 793-5171. For registration slip, contact Nancy Matthews or Milly Pena at SAC 64-58, x2935.

Credit for Journalism

Caltech undergraduates interested in enrolling in a "Reporting and Newswriting" class can receive Institute credit for successful completion of Journalism 4A at Pasadena City College. PCC registration for its spring semester will be Jan. 26-Feb. 3. The class meets on the PCC campus; it is offered either MW 11 am-12:30 pm or Th 7-10 pm. If you are interested, contact Hall Daily in the Caltech Alumni House, or at x6256.

Caltech SEDS Meeting

Caltech SEDS will be meeting on Tuesday, January 24th, at 7:30 pm in Rm. 15, SAC. We will show the STS-26 mission film, "America's Return to Space". Refreshments will be served. For info, contact Irwin Horowitz at 577-1930.

Men's Discussion Group

Although women's identity and role in society have been consciously explored over the past two decades and are being rescued from unconscious assumptions and expectations, the experience of being male is still largely left to unexamined expectations and mythologies. However, in the fact of a changing and turbulent sexual dialogue in the West, men are being faced with challenging questions about what it means to be male and the effects of the traditional male identity: How do I, as a male, fit with my personal ideals and society's demands? How did I get to be who I now am? How do I relate to other men and women, especially at Caltech? How do I want to be?

These and other questions will be discussed in a small-group, confidential setting over an eight week period. Dr. Jon Pedersen, who has extensive experience in the area of men's issues, will use video and written materials, as well as non-threatening group exercises, to facilitate an exploration of these questions in a supportive, safe setting. (Please note: this is not group therapy, and no one will be pushed to participate in any way that feels uncomfortable.)

The group, open to undergraduate and graduate students, will meet on Fridays from 12:00 to 1:30, beginning January 27 and ending March 17. If you are interested, please contact the Counseling Center at 356-8331.

SAC Services

If you're interested in reserving a room in the SAC or Winnett, need to buy an ASCIT copycard, want to register to vote, want info on on-campus and off-campus activities, need help planning a program, etc., there are two people in the SAC to help you. Milly Peña is available from 1-5 pm M-F in SAC Rm. 38. Nancy Matthews works in the SAC between 8 am and 5 pm and holds open office hours between 1:30 and 3:00 pm, T,Th,F.

The Muppets Take Caltech

Do you have a talent for drawing? ... painting? ... making puppets? Well, have we got a competition for you! Jim Henson's (yeah, the Muppet Man!) *Character Design Competition* can actually win you BIG BUCKS! Your assignment is to create "a two-character team of any nature or creature type." Lotsa leeway, huh? The "jury" will be looking for originality of concept and quality of execution—but the actual style of the characters is up to you! The sky's the limit: anything from a three-faced animated fire hydrant to a purple Spuce (of course, everyone knows REAL Spuces are green with yellow and orange beaks).

The presentation can be in any medium: slides, 2D or 3D, puppets, videos, software—but no "live" performances! The deadline for all entries is 24 February 1989, so start concocting some goodies now. Only entries from full-time undergraduates and graduates will be accepted. The deadline for receiving the artwork at Jim Henson Productions is 1 March 1989.

Now for the important part: First Prize—\$1000; Second Prize—\$800; Third Prize—\$600; Fourth Prize—\$500; and Fifth Prize—\$400. To receive an entry blank, call Will Morrison at Jim Henson Productions, (212) 744-5207. (Come see the posters in the SAC at the California Blvd. entrance and at the Orange Walk entrance).

Good luck—and remember, it takes Teachers to come up with the truly freaky.

Be In The Top Ten

Caltech juniors are invited to participate in *GLAMOUR* magazine's 1989 All New Top Ten College Women Competition. This, the 23rd annual competition, will select the winners on the basis of solid records of achievement in academic studies and/or extra-curricular activities on campus or in the community. The competition is broken down into the areas of: Creative Arts, Communications, Science and Technology, Health, Public Service, Government and Politics, International Relations, Business and Economics, Entrepreneurship, and Sports. One outstanding woman in each category will win the big prize of \$2,500 and an appearance in the October, 1989 issue of *GLAMOUR*.

Career Development Tidbits

The City of New York is sponsoring the Mayor's Corps of Engineers, offering 75 outstanding engineering students who have completed their junior year of college the opportunity to work on some of the most exciting engineering projects currently underway in New York City. Deadline for applications is February 15, 1989.

IBM Latin America is seeking candidates to fill the positions of Marketing Representative and/or Systems Engineer to work in selected Latin American countries. (Openings are for citizens of Argentina, Brazil, Chile, Colombia, Mexico, Peru and Venezuela).

Sandia National Laboratories sponsors the "One Year on Campus" Masters Degree Program. The program provides an opportunity for highly competitive minority bachelor-level individuals to continue their education for a masters degree. Candidates normally work at Sandia for several months to become familiar with the laboratories' environment before beginning the program.

Operation Crossroads is sponsoring a cross-cultural exchange project in Africa and the Caribbean.

Milliman & Robertson, Consulting Actuaries, has a need for part-time employees with general mathematical skills to work about 10-12 hours per week during the school year. They would like to employ someone in his or her sophomore year with the expectation of continued employment on a part-time basis through graduation. The company is located on South Lake Ave.

Stop by the Career Development Center, 08 Parsons-Gates, for more information.

Presidential Debate

The ASCIT Presidential debate is 7:00 pm on Sunday in Baxter Lecture Hall. Food, fun...



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