Dr. Bruce Kahl

Screw Loose? See Dr. Bruce

by Matthias Blume

"PSYCHIATRIC EMERGENCY. Call Dr. Bruce Kahl (pronounced Kahl) .... Tell the operator you are a Caltech student." So read the sign on the front door of the Young Health Center.

Dr. Kahl is one of six people working for the counseling service. The others are Dr. Miriam Abrams, Dr. David Rorem, Dr. Jeanette Butler, Barbara Ellenborn, and Dr. Jacqueline Miles. Together they work 140 hours and counsel about 50 students per week. In any year they will talk to ten percent of Caltech graduates and undergraduates.

This percentage is less than average for a college counseling service. Dr. Kahl has several hypotheses to explain this. The principal one is that many Caltech students think they are "extremely rational." They are unwilling to accept the possibility that their emotions are confusing—that they themselves can't figure out what their emotions are about. They are reluctant to admit—that they are not able to come to a reasonable explanation of their own feelings. Putting it another way, they're too proud to admit that they're confused. He also adds that perhaps Caltech students have less spare time than students elsewhere, and are therefore less willing to try something new like talking to a psychiatrist.

"Other, general, phenomena apply. For example, some people associate psychological help with being crazy. They don't want to run the risk of finding out that they're crazy. People are afraid of being treated as though they are sick. The therapists are careful not to treat their patients (some therapists call them clients) this way. "The setting is one of interaction, of two people sitting together and interacting...." The psychotherapists listen and tries to understand the difficulty in the context of that person's life and general environment, and tries to give that person some understanding that they previously did not have of their feelings, their behavior, their involvements with other people."

Dr. Kahl is planning some innovations for the counseling service. One is programming a computer at the health center to let students through the campus computer network ask questions and answers. One would be an open-ended sort of thing. Almost—1

Sports Day Stated

by Sam Wang, C. E. Brennen

Caltech's Homecoming Sports Day is an annual event which offers students a unique opportunity to participate in friendly competition with faculty, staff, and alumni. This year's Sports Day will be held Sunday, February 16, and all are welcome to come and join in a day of social sporting activities. The central event of the day will be a buffet lunch at noon on the field north of the gymnasium. Entertainment for the luncheon will be provided by the Caltech Wind Ensemble. Both participants and spectators are needed for the activities and the lunch is free, so come on out.

The day will begin with soccer, volleyball, and tennis from 10:30 a.m. until noon. Immediately following lunch will be a special challenge softball match featuring faculty and alumni versus students. The afternoon (1:30 to 4:00 p.m.) will feature basketball, softball, inner-tube water polo and ultimate frisbee.

As with the morning sports, everyone who wishes will be invited to participate; in other words, come and go as you wish. In the afternoon we are also planning a tug-of-war contest featuring eight-person teams and a relay running, cycling, rafting, etc.) featuring three person teams. If you wish to enter a team, you can either inform the Master's Office in advance or seek out a desk at the front of the gymnasium on the day.

In the unfortunate event of rain, we intend to postpone the Day until March 2. Should this occur, information will be disseminated on the Friday before.

Watson Lecture

Abu-Mostafa on Randomness

by Marc Reissig

Randomness. The very word brings terror to the heart of many Techers; some apprehension consider it taboo. But Professor Yaser Abu-Mostafa's Watson Lecture Wednesday night, entitled "When in Doubt, Flip a Coin," created a humorous, not terrifying, effect. Professor Abu-Mostafa's presentation was a relief to his audience; his wry insights into a topic commonly taken for granted often had people rolling in the aisles.

But besides generating laughter, Professor Abu-Mostafa offered many insights into the "precise" nature of randomness. He began by claiming that randomness is merely ignorance; after all, if we knew enough about the mass, air resistance, and trajectory of a flipped coin, we could predict exactly which way it would land. Another example he offered was the randomness involved in deciding "she loves me" "she loves me not" by picking leaves off a flower. The only randomness involved there is not knowing if there are an odd or even number of leaves. A true scientist, he added, would shoot a photo of a paper plate divided into two regions. The label marked "she loves me" and the bottom one "she loves me not" that would be truly random, except for a scientist, in which case the answer would definitely be "she loves me not!"

Furthermore, Professor Abu-Mostafa claimed that it is impossible to prove that something is random. As evidence of the difficulties involved in this type of situation, he asked the following question: "What is the smallest number that cannot be described in English with less than 100 letters?" Whatever the answer is (forty-nine trillion, four hundred thirty-nine thousand, six hundred thirty-six, etc., it isn't). The description "the smallest number that cannot be described in English with less than 100 letters," which adequately describes that particular number, is only 74 letters long itself. This is the type of paradox involved in randomness.

Furthermore, the more random a set of data is, the more regular the statistics they provide become. Furthermore, the more random a set of data is, the more regular the results they provide become. The moral of Professor Abu-Mostafa's lecture essentially is that any time you get a two of clubs, a five and eight of diamonds, a king of hearts, and a four of spades instead of a royal flush in poker, don't feel bad. A royal flush is just a lucky combination was just as small as the chance of getting a random number of ten.

Clea Bures—our new and fearless leader.

New ASCIT Hero

Dr. Yaser Abu-Mostafa uses the "K" word.

Dr. Bruce Kahl, Institute psychotherapist, "How does this make you feel?"
**Letter to the Editor**

To the Editors:

I would like to comment on Ted George's article about the Missing Sub committee for the upcoming Student Faculty Conference or Faculty-Student, depending on who you are. It was a good article; my only complaint is with the editors of this fine paper. If I didn't know better I'd suspect Peter and Paul of being racists.

In the last paragraph where Ted lists the names of the members of the sub committee, two members, Rob Fatland and Bibi Jentoft-Nilsen (blond, blue-eyed Scandinavia types) have little foreign marks of punctuation on their names. Rob has two stupid little dots over the "a" in Fatland and Bibi has this dumb line between her TWO last names.

My last name is Gomez (Note: the bold mark of distinction over the "o" in Gomez). Now Peter and Paul, you both know it exists. I have scolded you before. I'm of Czech, German, Dutch, English, Portuguese, Arabic, Spanish, Mexican ancestry.

I notice that both of our "coedited" editors are blond and blue-eyed. When your term as editors is up I'm glad to be rid of these neo-Nazis, forcing their twisted moralities on those of us who aren't lucky enough to be pure breds. I would hope that Peter and Paul would prove me wrong by putting the noble accent in the appropriate place in my last name. It's not two stupid dots or a dumb line, but a distinguished mark. I expect to be treated with the correct amount of respect.

Thanx,

-- Serve Gomez

255 S. Hill

The house (with no curtains)

P.S. We love you guys, anyway.

Actually, Steve, we were misinformed by Ted. He's got more than two counts. The article he wrote in The Vag has photos, so don't try to deny it. Ted's named you by name, but without accent. Our representer, who is neither blond nor blue-eyed, will and match you for multicontinental ancestry any day, faithfully reproduced Ted's version of your name. But then, Ted also told us that the committee was investigating student morale, which is much less interesting than your version. Anyway, for those of you who wish to correct your copies of last week's issue, here is an accented "o" to paste over the accentless one: Ò is a respectful one. --Ed.

---

**IHC and ASCIT Highlights**

**Varsity Jackets**

The variety letter jackets will be late. They will probably arrive in about 3 weeks. Because of the unexpectedly large number of jackets ordered this year, the cost has run $300 over its original budget of $100. ASCIT has sufficient funds to cover it, though.

**Phone Abuses**

There has been an abuse of long-distance phone-calling privileges amounting to about $200 per term. The Deans are going to talk to the Physical Plant about the possibilities of a new system.

**Proposed By-Law Changes**

There is a long list of proposed modifications to the ASCIT By-Laws, Article XIV (Publications). It will be voted on next Friday, February 14.

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**Staff Award Proposal**

Joy Watanabe has proposed a staff award to recognize individuals for their services for and support of the undergraduates. All non-student and non-faculty members of the Caltech community will be eligible, and any member of the community can nominate someone. The winners of the award (two per year) will be chosen by the BOD.

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**Tonight's Movie**

by Mark Montague

The opening of this week's FILM MAKER, best in my mind is "just another Roger Moore bond movie" but doesn't really sit worth sitting through once for some corny 007 action scenes and the typical Moore humor, but the plot is staid evil multi-millionaire plots to destroy the world... and the "action scenes aren't too unique either. Jaws is back from The Spy Who Loved Me, as a foolish, hurray assassin with tough teeth. Nifty. I'll spend my dollar for this one, but personally, I want Sean Connery back.

---

**Moonraker**

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Greg Susca

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Research and Teaching

by Tom Workman

The Undergraduate Research Committee for the upcoming Student-Faculty Conference (Feb. 22) is looking into ways to improve research opportunities for students both on and off campus. Current topics of discussion include the need for better communication of job opportunities to students, informing freshmen and sophomores about strategies for finding research work on campus, possible improvements of the SURF program, and utilizing Caltech alumni for connections with industry among others.

One problem appears to be that many students expect research positions to be handed to them. Also, many professors do not make their research openings widely publicized (especially to those outside their option). It seems that some additional motivation on both sides is needed to make the most of our on-campus research opportunities. The Career Development Center has many resources for finding jobs in industry, but its services are underused by students. This may be because students are unaware of this resource or they are too busy to go in.

The committee chairman is Tom Workman (578-9219 or mail redlist). Comments or suggestions will be gratefully received.

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ISOlation

by Wesley Boudville

Monday, February 10, the Caltech Y will present Dr. Ronald Kahn, an astrophysicist at the University of California, Davis. He will be speaking in Winnett lounge and the program will begin with a wine and cheese reception.

Dr. Kahn will speak on the isolation that he feels scientists face in a modern, technological society. He feels that the technical expertise of scientists creates a gulf of communication between them and the rest of society. That may leave scientists feeling like they are writing off society.

Kahn was an undergraduate at Princeton and a graduate at Harvard. All are welcome to attend this meeting and the discussion that will follow.

The Inside World

Fleming: Congratulations to the Big Red Track Team for a job well done.

Fleming OSC Basketball rolls on, in the "Classic" sense, anyway.

Look out Interhouse.

This weekend, it's road "rally." Let's hope that Pasadena's Finest take that particular day off.

Randy "the Float" Pollock may actually have a dry dinner sooner or later. It's almost too good to be true.

Here's hoping that Midterm's are painless for everyone, especially the Frosh. Snake Frosh, Finals are coming.

Humbly submitted.

Al Farnese

Lloyd: Congratulations to the new Exc()mm members:

- Chris Nole, President
- Jean Tang, Vice President
- John Haba, Rob Jarecki, Terrence Yeh, Athletic Managers
- Kuhn Nguyen, Wine Cheese and Cracker
- Philip Lin, Jeff Tseng, Librarian
- Bill Woody, Off-Campus Representative

Track and field came and went, bringing success and lots of fun. Don't forget Sports Day, on the sixteenth, in the same vein.

J.P.

Page: Fellow Page members and distinguished guests, we proudly present the new Page House president: Vincent Vito Ferrante. Under his guidance, Page House will surely prosper. Caltech will never be the same.

Konstantin Othmer, our new Vice-President, is assuring Syndicate control of the Excomm. Unfortunately, the election results have caused a stampede .. , a mass exodus of the former roommate.

Yet, despite these newcomers to the Page House government, there remains a pillar of stability in the hierarchy, with John Beck moving down from treasurer to secretary. Our new treasurer, John Scott, assures Syndicate control of the Exc()mm. Unfortunately, the election results have caused a stampede .. , a mass exodus of the red-shirted herd.

Everyone is wondering where the maid is. Did she take a vacation?

Dear Ed,

You lose round one to Vito. Interhouse track is ours.

 Normally.

Cynthia Katherine

Ruddock: In the beginning there was Ed; then there was Vito. Now, by popular demand, Joe Ferrari for President! That's right, the Rudd is having elections this V-day. Be there for pizza, beer, and of course, to vote in the polls. We are all of us Rudds and you are still clueless, even Walter couldn't pass the Chem'it midterm, although Dudley tried. . . . Nik had a bad day 8 -- as two beautiful women showed up at 5:30 am and supposedly took him to his basketball. Nik says, "What a people, why can't we wake 8 other people up?" . . . 36154 and 77 after F-golf and the Roommate Game. Beep and Taney sure knew each other. And Randy Pollock is a vote for Mike McDonald, Mark Montague and Randy Pollock is a vote to make the Tech your newspaper.

The Undergraduate Research Committee has been working to improve the teaching quality here. Some that the committee was interested in looking into was the need for better communication of research work on campus, possible improvements of the SURF program, and utilizing Caltech alumni for connections with industry among others.

One problem appears to be that many students expect research positions to be handed to them. Also, many professors do not make their research openings widely publicized (especially to those outside their option). It seems that some additional motivation on both sides is needed to make the most of our on-campus research opportunities. The Career Development Center has many resources for finding jobs in industry, but its services are underused by students. This may be because students are unaware of this resource or they are too busy to go in.

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A unique aspect of the California Tech is its acceptance of material from all members of the Caltech community. This campus-wide participation in the newspaper is one of the greatest assets of a small school. As Tech editors, we will continue to encourage contributions by all students. The primary responsibility of editors is to ensure that the newspaper represents the entire Caltech community. Likewise, any feedback from their students on teaching ability is often overlooked.

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Vineer Bhansali
No, I'm not going to try to con­vince you of how great a person I am.

As ASCIT Vice-President, the Chair of the BOC, and the guardian of the Honor Code, I'll get the following done:

a) Watch the BOC of the power to convict academic violators - no more will no one admit that with tough competi­tion (relining mainly on grades), we must have this heavy respon­sibility to more experienced peo­ple, and in the process, a good couple of student representatives may. This will happen sooner or later.
b) Reduce the number of all other BOC representatives, etc., etc., etc.
c) Ensure that cheating be treated collectively as a malady, and not something that can be broken up into neat little mouthfuls for the BOC or the GRB. With the number of courses that grades and undergrads take together, they are equally책able for any violations.

d) Encourage those who have been "BOCed" to cry "no fair!" I'd like to add--increase participa­tion more in-depth analyses... YAK, YAK, YAK, but the problem is how to get these things done. (Any suggestions?)

So if you have ever felt the same way, and have slowly slid down the BOC doo doo doo (because of too many heated letters in the Tech but no change), this is your chance to claim your full share (or any that you deem better), and make me visible and accessible to House and Alley.

Pamela Feldman
I have served on the Board of Control for the last two years, first as Ruddock House representative, and then as Secretary, a voting member, I tried to use my vote with both fairness and compassion. As Secretary, a non-voting member of the Board, my responsibilities were to conduct the prelim­inary investigations with the Chairman, to take minutes of the meetings, and to keep record in the discussions of the cases. My first year exposed me to the decision-making side of the Board, and my second year exposed me to its admin­istrative and investigative aspects. I feel that I have gained the experience necessary to help the Board run fairly and efficiently. Although this is the primary func­tion of the Chairman, I would also like to give students and faculty a greater understanding of the way the Board works and the nature of the cases we hear. For example, many professors give unclear homework policies or none at all, and they are often unaware of the effects that this can have. I do not believe that there is a substantial amount of cheating at Caltech, but there is some; and so the job of the Chairman is two-fold: to try to reduce the number of Honor System violations committed (for example, by preventing mis­understandings between students, faculty and administrators) and to ensure that those Honor System violations that do occur be handled justly. These are both important causes, and I would appreciate the chance to devote my time and energy to them.

John Beck
A good IHC Chairman must have three abilities: to know about and inform the students of IHC activities, to get along well with the house presidents, MOSH, and the Deans, and to remain impartial during disputes. I believe that I fit these requirements best among the candidates.

I have been the IHC reporter for the California Tech since first term, and so I have written many articles about the IHC and the problems it deals with. Through the Tech I have tried to keep the campus aware of them and will continue to do so.

I am very well acquainted with the presidents who have been elected so far, and I get along ex­ceptionally well with all of them. As a result of trying to work our campus problems (for example, the AIA 95 grading controversy), I have developed an excellent work­match relationship with Dr. Bremen and the Deans (Lorden and Noda). I have learned the necessary qualities of leadership, impartial­ity, and keeping an even temper through serving Page House as Athletic Manager and Treasurer.

I disagree with the past policy of holding some IHC meetings in private. The IHC is a legislative body, not judicial like the BOC. Matters requiring privacy should be referred to the BOC. The IHC concerns everyone, and so every vote is important.

Because of my attitude, my past experience, and my ability to get along with other people I believe I am the strongest candidate for the job.

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**Junko Munakata**

ASCIT Secretary: the name says it all. Just like any other BOD position, the office requires a responsible, dedicated person. My qualifications range from two years as Drama Club secretary to vice president of NHS, and I now serve on the Student Government Board and the ASCIT. I also have intuition and analytical skills, and I’ve seen how good decisions are made. I can’t figure out why. I’ve also seen them screw up big and I’ve seen them screw up big. I can be a good representative of your opinions and needs. Finally, since I am very conscientious you can be assured that if I elected I will attend the meetings and do my job to the best of my abilities.
**Director-at-Large**

**Susan Gerhart and John Hart**

We are running as a team for the office of Directors-at-Large. We know we can work together well and accomplish a lot as a team, with each of us contributing his unique talents. We will make the ASCIT more accessible to everyone. We will also seek out and publicize campus research opportunities available to undergrads. We would appreciate your support in the election, and we won't disappoint you.

**Sam Nafziger**

The office of Upperclass Director-at-Large, though not one of the main ASCIT offices, requires an individual who can and will put in the necessary time to do the job right. In addition, an important requirement for the Director is to be on-campus and easily accessible to other students for use of the ASCIT Van. I fulfill each of these requirements and will take the job seriously, so I'm looking forward to your support on Monday.

**Rachel Clark**

The main thing the office of Freshmen Director-at-Large will demand of its occupant is time. When choosing a candidate, it is important to choose not only someone with free time, but someone who will make time to do the job well.

The major duty of the Freshmen Director-at-Large is to publish the information on SURF projects and summer jobs in research. As students at Caltech, we have the opportunity to work with people foremost in their field. Because I feel this opportunity is so important, I will do my best to fully inform you of summer jobs and research projects in which you might wish to participate. Also, because I hope to be doing a SURF project this summer, by next year I will be familiar with the system and able to more efficiently carry out my duties.

In short, I am enthusiastic about the job, and hope that with your vote you will give me the chance to do my best for you.

**Bibi Jenoft-Nilsen**

I am running for Freshman director-at-large because I feel it would be a worthwhile and exciting job. I enjoy interacting with people and organizing things, and this job could give me a chance to do that and also to get to know the student body better in general.

**John Hart**

For statement, see column one of this page.

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**Bloom County**

**by Berke Breathed**

**Sponsored by the Caltech Y**

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**ASCIT** and the administration in my capacity as Freshman Director-at-Large and feel that this experience will help me be a more competent member of the Board. I would appreciate your support in the upcoming election.

**Freshmen Director-at-Large**

**Eric Scharin**

I am running for the office of Upperclass Director-at-Large. As Upperclass Director-at-Large, one is not merely responsible for the management of the ASCIT Van, but is more importantly responsible for capably representing the views of the student body through the Board of Directors. I have had a year’s experience in working with Caltech students. If you haven’t surmised by now, I am running for ASCIT Director at Large on Monday. I think that this office is probably the one closest to the student community as a whole. Since DALs have no specific project or responsibilities, they must do a great job at representing the student populace as a whole. As an Eagle Scout, and a former high school leader, I believe that I would hold my own in almost any situation.

So even though I can promise you nothing save that I will do my best in this elected office, I urge you to cast your vote for Mike Fukuda on Monday.

---

**Clark**

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Text of Amendment to the ASCIT Bylaws

Summary of Changes

At left is the proposed text of a new version of Article XIV of the ASCIT By-Laws (Publications). This was approved by the Board of Directors at its final election next Friday, not at the initial final election on Monday. The amendment procedure requires publication of the proposed amendment at least seven days prior to voting.

The major changes which are part of this proposal came about because the Board of Directors perceived a need for better accountability and responsibility on the part of those appointed to run the student publications, most notably the Big T. Twice within the past ten years the yearbook has needed to be hauled out for costing many thousands of dollars more than its actual income. In other years, money from the following year's book was often used to pay the lie-over debt of the previous year, and a cost of "floating debt" was perpetuated. Even the recent raise of the assessment from $12 to $24 did not correct this problem.

The end result has often been that the yearbook's present or potential financial successes were used to cover the financial problems of the past. This is not the way to proceed.

The proposed changes are summarized in the column to the right of the revised text. Please refer to pages 141-143 of the current little t for the current text of this article. [In a By-Laws vote last term, the words "covering" were struck from Article XIV, Section 4, Ed.]

The most important changes are in the new sections 4 and 7. The Big T and little itc will be required to submit "term and annual reports" to the Board of Directors for approval, and must hold 10% of their expected income in reserve. By scrutinizing more closely the intended plans for these budgets and by requiring a financial statement in case of error, the BOD intends to avoid the fiscal errors of the past. In addition, an already existing and seldom observed clause describing publications' financial obligations (said to be "the beginning of changed to the day of publication in the Big T and little itc distribution deadline") has been strengthened by explicitly stating when those reports are due.

To drive home their intentions that the publications be run in a proper manner, the BOD is stating an end to the current practice of contracts and commissions (new §8) its restrictions on media sales contracts and commissions for unsatisfactory performance. To make clear what the BOD expects from its Editors and Business Managers, new sections 3 and 4 on responsibilities have been expanded.

Minor changes, made as part of this overall revision, include:
- the section on contracts was rewritten (again) to (1) state more clearly how long a Business Manager may contract for; (2) allow contracts of indeterminate length if a termination clause is included; (3) allow the BOD to enter contracts lasting up to three years on behalf of a publication—just in case (1) or (2) doesn't apply. The current wording allows the California Tech to "enter into contracts for national advertising... for a period not to exceed three years." But for many years, the Tech's national advertising contracts have been offering annual contracts which automatically renew, and which have termination clauses.

The new language reflects the real situation.

The Publications Darkroom Chairman's term of office is now limited to three years (current §11) or five years (Article XIV, Section 7, "term and number reports")—the current tide holder did not have it.

Because the net commission will be distributed at the end of the term (current §8(a)), the wording of the amount guaranteed is now the Business Manager was changed from $1200 (for the year) to $400 x term of office.

To be more explicit, and to parallel the little t clause which follows (new §9), the phrase "the beginning of" was changed to "the end of." This was part of the rationale in describing the Big T distribution deadline.

Gavin Claypool

By-Laws Explanation

Wait up to Hawaii? Let's see your rear end.

It's got an In-N-Out Bumpersticker on it, you're halfway there. Because the 6th Annual In-N-Out Bumpersticker Sweepstakes is on! Just head on over to In-N-Out, grab a bumpersticker, bring it in, and you're on your way. And you'll hear your name announce by your car, and your mailing address to sign you up. We'll be giving away up to 70 Hawaiian holidays for people mailing in their entries!

Complete contest rules and entry bumperstickers are yours for the asking. So if you want to win a trip to Hawaii, get your rear in gear.

By-Laws, February 7, 1986

The California Tech
I am running for the position of Director of Social Activities because I would like to contribute to the betterment of social life here at Tech. I have had experience in planning campus-wide parties and social events for Page House. I have also dealt with social teams from other schools and I feel I can represent Caltech well in dealing with other schools. I am prepared to commit the time required to perform the duties of the Director of Social Activities and I am ready to work for the student body. I would appreciate your vote and your support.

Unheard of Career Opportunities
NATIONAL SECURITY AGENCY
ATTN: M322(N)
Fort Meade, MD 21702-6000
U.S. Citizenship required.
An equal opportunity employer.

NSA will be on campus February 18, 1986. For an appointment, contact your placement officer or write to the National Security Agency.
Movie Review

Kurosawa's King Lear

by David Hall

Run (Chorus)

Run is King Lear, King Lear is Run. This is all you know and all you need to know. I had only seen Lear twice. Once when I was an usher during my final year at a Shakespearean company put on a Lear of variously eastern scenes and costuming, with weird and wonderful characters masquerading in blackface. It was interesting to look at, but not particularly enlightening. A couple of years later, I saw The Dresser, in which a traditional production of Lear in wartime England forms the backdrop for an aging actor's collapse.

Thus I was basically familiar with the story, but had never really seen a full, clear production of Lear. Now I have. Run presents the story in clear, elegant strokes. An aging warlord eases his power to the eldest of his three children (daughters in Lear, sons in Run). The youngest child objects, saying that the eldest will take when he has left, rather than protect him in his old age. The father banishes the youngest child, allowing the eldest to become the new head of the household, and the older children proceed to act as if the youngest had said.

The old King stays as the guest of the two older children in turn, but leaves them both when he knows they are only after his power. In the course of events, the King's entire escort is killed; he is left with nothing but his fool and a loyal servant. He is ashamed to face his loyal youngest child, but this is his only chance of survival. Faced with this situation, the King takes leave of his scenes ("the better for him, says the fool, and eventually retires ("Morris the page.")

He meets up with his youngest child again, and just as are reconciled (this being Shakespearean tragedy) the child is killed. The old King dies of grief. Meanwhile, the second child dies in battle, and nothing at all remains of the old kingdom.

Woven into this basic story are a few subplots. There are three characters who are victims of the old King's earlier violence. One, is Lady Sue, the wife of Jiro, the second son. She, a Buddhist, has accepted her past, and forgiven the King. Her younger brother, Matsumura, had his eyes gouged out on the King's orders. He is unable to forgive, yet when the exiled King is stranded by a storm, Matsumura takes him in.

The third, Lady Kaede is the wife of the eldest son, Taro. When he is killed, she becomes Jiro's wife. She is completely bloodthirsty and ruthless, bent only on avenging her family by uniting the old King's household. The woman is such a bitch that when Jiro's adviser tells her on one scene, and beholds in another, the audience applauds.

The major shortcoming lies in the set of battles, which are long and somewhat confusing. There are also some devices and drenched in red paint. Kurosawa seems to have a thing for such pageantry - Kagemusha had too. If you like seeing horses and warriors in shiny armor carrying bright banners and spewing gore all over the place, you'll like this. And yet, I still adored the cinematography, and the surreal mood evoked. My complaint is that there was a bit too much of it. It's like looking for a wonderful island to look at. The outdoor scenery, the Japanese castles, the costumes and the architecture all make you want to close your eyes and imagine the exception of the battle scenes. the political power. Lear takes a nap whilst to ill, and Kurosawa seems to like making long films, but I did not find the length disturbing. The story is rich in imagery and symbolism, and Kurosawa's setting and mise-en-scène is superb.

DIVERSITY IS STRENGTH

Diversity. It allows ELDEC to offer a varied, challenged and static career in high technology electronics. Quickly, custom-designed products and innovative problem solving have earned us a strong position in aerospace and marine markets for both commercial and military customers.

An established corporation with over $78.6 million in annual sales, ELDEC is located just north of Seattle which means employees enjoy the unmatched lifestyle of the beautiful Northwest.

ELDEC systems cover a wide range of customer needs. Our solid state proximity switches and computer-based logic and control systems inform flight crews of critical aircraft functions. We're also involved in the design and manufacture of electronic monitor and control systems for aircraft, ships and space vehicles.

Our future is one of steady growth and technological achievement. Diversity is a strength - ELDEC COMMITTED TO PERFORMANCE

Movie Review

Goldie's Football Movie Fumbles

by John Fourkas

Wildcats is a comedy by Michael Ritchie. Warner Bros. How does this sound as a plot for a new movie: a team of misfits that can't even win a single game gets a new coach. This new coach inspires the players, gives them self-confidence, and they end up winning the championship game. Already taken? Hmm...OK, try the second and third fights for custody of their kids, and the dramatic implications are explored. Terrible. Right? Well, here's the good one: Goldie Hawn plays a woman determined to succeed in a man's job. She manages to get the job and to do wonderfully well at it, to the chagrin of many a man. What? Taken more than once? Well, why waste three great ideas just because they've already been taken? Just mix all three together and it will instantly make a new "great" idea. Oh, no! That's "Kramer vs. Kramer" again, right to the bitter end. Poor, unprivileged, quarterback turns to play football. A bit of a backseat steps down for the betterment of the team. You name it, Wildcats has it.

Mind you, there are a few pretty funny moments, and Nipsy Russell was actually pretty good as the principal of the high school. Unfortunately, the good points were few and far between (not to mention very short), and Nipsy Russell's part was small. I recommend Wildcats for fans of hooey movies; all others should avoid it.

We Norwegians: Ed Lark presents another Arthurian Adventure. Promotional Auditorium Display. Seattle Auditorium, Seattle, Wash., Feb. 7, 10:00 p.m. (no tickets). Stödtzmann-Trampler-Luvisi Trio: The program for this Coleman Trio includes: "Impromptu on words of Conte Montecuccoli" (honoris) Brahms. Beethoven Auditorium, Seattle, Feb. 3, 9:30 p.m. $15. $13.60-12.00.

We will be on campus for interviews on February 10. Contact your placement office for details.
**Baseball Bettered By Aged**

by Doug Oute

The battling Beavers opened up the 1986 baseball season competitively, losing two close games to the Caltech Alumni and Christ College.

In Saturday’s game the Beavers faced off against the Caltech alumni in the first annual Caltech Alumni baseball game. The game was dominated for the most part by the alumni, who had a 6-0 lead going into the 9th inning, but in the bottom of the 9th the Beavers began to make their move. With the bases loaded, Min Su Yun singled to drive in two runs. The Beavers scored three more runs, making the score 5-6 with a man on second and two outs. The alumni managed to wriggle off the hook, getting the 3rd out and escaping with a 6-5 victory. Mike Keating had a good game for the Beavers, with a triple and a stolen base.

In Tuesday’s game against Christ College, things started out better for Caltech. The Beavers offense pounded the Christ pitching, scoring 4 runs in the top of the first inning on 5 hits, including a double by Brandon Mymudes. Christ scored a run in the bottom of the second, but Caltech answered with two more runs in the fourth inning to make the score 6-1.

Disaster struck in the bottom of the fourth inning, as Christ rolled across 6 runs on 4 hits, making the score 7-6. In the next inning Christ added 3 more runs, increasing their lead to 10-6. Caltech never really recovered momentum, and lost 10-7. The outstanding offensive performer of the game was Brandon Mymudes, who was 3-4 with 2 RBI’s and a double.

Saturday the Beavers host Christ College for a double-header. All who want to see a good baseball game are welcome.

---

**Making Peace**

by Valerie Hoffman

The Jewish Graduate Association of Cal State L.A. will present a lecture and discussion with psychologist and author, Dr. Leonard Felder on Thursday, February 18th at 7:30 pm in the Y Lounge in Wittner.

The discussion will deal with such issues as the effect of unresolved issues with parents on choice of partners, overcoming feelings of guilt, dealing with parental pressures, and moving beyond family roles that may have been outgrown. Making Peace with Your Parents has received praise from such noteworthy people as Carl Rogers, Elisabeth Kubler-Ross and Leo Buscaglia.

The Jewish Graduate Student’s group was formed this year and hopes to offer programs that will be of interest to graduate students and older, re-entry students. Sponsored by Hillel, the group will offer students an opportunity to meet and socialize with students from Cal State L.A., Caltech and U.C.L.A. Several activities are planned for this quarter including a women’s group and social activities.

For more information call 208-4427 or 667-2470.

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**Box Score**

**Caltech** vs **Alumni**

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<th>AB</th>
<th>R</th>
<th>H</th>
<th>RBI</th>
<th>BB</th>
<th>SB</th>
<th>HBP</th>
<th>2B</th>
<th>3B</th>
<th>HR</th>
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**Total** | 36 | 10 | 8 | 4 | 3 | 1 | 2 | 1 | 2 | 1 | 1 |

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**Swords**— The Beavers’ Scott Lewicki (R) fences his USD opponent at Caltech.

---

**Lite Beer**

**“I LOVE AMERICA BECAUSE THERE’S PLENTY OF LITE BEER, AND YOU CAN ALWAYS FIND A PARTY. IN RUSSIA, PARTY ALWAYS FINDS YOU.”**

---

**Friends don’t let friends drive drunk.**
**Sports**

**Rolling Thunder—**
Caltech’s Jarita ‘Lightning Legs’ Holbrook bolts past a DeFeet defender in a soccer match on Sunday. Despite flashes of excellence, Tech suffered the agony of... 

photo by Jonathan Brown

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**WeeKLY SPORTS CALENDAR**

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Time</th>
<th>Sport</th>
<th>Opponent</th>
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<tr>
<td>Sat.</td>
<td>2-8</td>
<td>All Day</td>
<td>Wrestling</td>
<td>Biola Invitational</td>
<td>Biola</td>
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<tr>
<td>Sat.</td>
<td>2-8</td>
<td>10:00 am</td>
<td>Swimming (AW)</td>
<td>U.C. Riverside</td>
<td>Caltech</td>
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<tr>
<td>Sat.</td>
<td>2-8</td>
<td>11:00 am</td>
<td>Women’s Tennis</td>
<td>Millbury College</td>
<td>Caltech</td>
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<tr>
<td>Sat.</td>
<td>2-8</td>
<td>12 noon</td>
<td>Baseball</td>
<td>Christ College</td>
<td>Caltech (Z)</td>
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<tr>
<td>Sat.</td>
<td>2-8</td>
<td>1:00 pm</td>
<td>Fencing</td>
<td>UCLA &amp; San Diego State U.</td>
<td>Caltech</td>
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<td>Sat.</td>
<td>2-8</td>
<td>2:00 pm</td>
<td>Men’s Tennis</td>
<td>Faculty</td>
<td>Caltech</td>
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<tr>
<td>Sat.</td>
<td>2-8</td>
<td>6:00 pm</td>
<td>Basketball</td>
<td>Claremont-Mudd JV</td>
<td>Claremont</td>
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<tr>
<td>Sun.</td>
<td>2-9</td>
<td>3:00 pm</td>
<td>Women’s Soccer</td>
<td>Valleyies</td>
<td>Occidental</td>
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<td>Mon.</td>
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<td>Golf</td>
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<td>Occidental</td>
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<tr>
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<tr>
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<td>Caltech</td>
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<tr>
<td>Sat.</td>
<td>2-15</td>
<td>1:30 pm</td>
<td>Men’s Tennis</td>
<td>Claremont-Mudd</td>
<td>Caltech (Z)</td>
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<tr>
<td>Sun.</td>
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<td>7:30 pm</td>
<td>Basketball</td>
<td>Claremont IV &amp; JV</td>
<td>Caltech</td>
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</tbody>
</table>

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**Hoopers Foul Lose Height**

The Caltech basketball team lose a part of this week. On Saturday the Redlands’ J.V. came to town and won a game in which four Tech starters fouled out. Jim Helgren and Brent Bush both fouled out after playing only about 20 minutes, and the lack of muscle in­side hurt badly near the end of the game.

On Wednesday the team trucked to Pomona where once again foul trouble for Bush and Helgren hurt the team in the second half. The Beavers were down by about ten points throughout most of the second half and made a valiant comeback in the last three minutes only to fall three points short.

Team rebounding was especially hurt in this game by Pomona’s strong play inside. Jim Helgren received only 14 rebounds, the entire game. Ed Zanchi led all scorers with 19 points—most of them from the inside off the drive.

The Beavers will be on the road this week playing at Claremont on Saturday and at Occidental on Wednesday — and then will finish the season with their final three games at home. Everyone’s invited on a roadtrip to Oxy on Wednesday to support the team.

---

**MONK’S PIZZA**

**TAKE-OUT & FREE DELIVERY**

26 N. Los Robles, Pasadena (Just N of Colorado Blvd.)

**MENU**

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<tr>
<td>Monk’s Special</td>
<td>8.59</td>
</tr>
</tbody>
</table>

Slices served in store only $1.00


All Pizzas Made to Order with Only the Freshest Ingredients; 100% Pure Dairy Mozzarella Cheese, and Our Own Private Sauce Recipe.

CALL 304-9234

---

**Hockey Brawl With CSUNR**

by Marty Zimmerman

You know the old joke: "I went to a fight last night and a hockey game broke out!" Well, that was the case Tuesday night as Caltech paid a glorious tribute to "old-time hockey." Last week there were 17 penalties in the game against Cal State Northridge, but that was just a warmup for this week.

The first period was quite close. Northridge jumped out to a two-goal lead, but Martin Brouillette scored an unanswered goal to bring the tally to 2-1 at the end of the first period. At 9:58 of the second period Northridge player punched the Caltech goalie and a brawl broke out. When the smoke cleared, three players had been ejected, including one Caltech skater. From then until the end of the game Caltech rarely had five men on the ice (nor did Northridge for that matter). From this point the game slipped away as Northridge scored four unanswered second-period goals.

By the third period the game was getting out of hand. Each team scored one more goal. Chris Freed­man scored Caltech’s goal with a beautiful slapshot from the blue line. The final score was North­ridge 7; Caltech 2, slightly better than last week’s results. The penalties were pretty even. Both teams received 11 minutes and a major (that’s 27 minutes of penalties apiece, for those of you who are counting). In addition Caltech got a fighting game misconduct (ejection plus two game suspensions) while Northridge received two third-man (to join a fight) game misconducts (ejection plus one game suspension). Con­trasts to Rick Blake-Lye, Martin Brouillette, Pierre Laroche, and Chris Stork who all managed to avoid visiting the penalty box. The best part is that next week we get to play CSU Fullerton, the dirtiest team in the league. At least we’re in shape. Seriously, we’ll love to have you come out to cheer us on. See ya there!
WHAT GOES ON

Friday, February 7, 1986

Intro to Skydiving

There will be a no obligation, no cost (FREE) talk class for anybody interested in skydiving on Monday, February 10 at 7:30 pm in Winnett Clubroom 1. The “seminar” will be given by Billy Reed, a veteran of over 25 years and professional parachuting in- structor. Anyone interested please call Mr. Marvin D. or Mr. Steve McAdams at 578-9562.

Co-ed Hatha Yoga

Hatha Yoga postures, relaxation and basic breathing techniques to reduce tension, improve posture, concentration and body awareness. Increase flexibility, strength and balance. will be taught at the Caltech Y upstairs in Winnett on Thursdays beginning February 20 from 6:30 to 8:00 pm. Cost is $7 per class or $28 per month. Instructor Martha Epstein has been teaching Hatha Yoga classes in the Pasadena and Sierra Madre area for 10 years. Limited space; pre-registration and more information please call extension 3933.

Optical Money

SPE- The International Societ y for Optical Engineering, is forming a student chapter at Caltech. The chapter will be named the Student Chapter of the Optical Society of America (OASIS). The organization is a non-profit educational group which promotes space development. The public is invited; there is no admission charge. For more information about this lecture or OASIS activities call Prof. F. W. Feynman at (818) 700-8382.

Singing Valentines!

Hey girls, why not send your sweetie a special gift this Valentine's Day the Caltech Sweet Adds a few notes to his great talents, his distinguished contributions to mathematics, and his long friendship with Caltech. The postcard is offered to promote his memory with a lecture each year by an outstanding mathematician.

Kodak Scholarship

Kodak Scholarships will be awarded to sophomores in Electrical Engineering or Chemistry. The scholarships will be made on the basis of academic and personal excellence, without regard to financial need. The amount of the annual scholarship will be $5,000. Applications and additional information are available in the Financial Aid Office, Room 10, Parsons-Gates. Application deadline: February 25, 1986.

Masters in 15 Months

The University of Massachusetts at Amherst is offering a very limited enrollment 15-month graduate program called the Math/English/Science/Technology Education Program. The goal is to attract the finest possible students to the field of teaching. M/ES/TEP is an intensive 15-month M.Ed. program that will include a group of 24 academically talented young men and women selected by University, school and corporate personnel. The program involves a paid semester-long internship in a Massachusetts public school; a paid semester-long internship in a major corporation such as Digital Equipment, Houghton Mifflin, Bank of Boston, Siemens AG, Software, Data General or New England Telephone; an intensive introduction to teaching by experienced teachers in a summer workshop at Amherst; a curriculum design and commitment for three years by the University, school systems and corporations to expand participants’ career and earning opportunities. Prospective applicants must have a bachelor’s degree in math, one of the sciences, engineering or English by June 1986. The program runs from June 1986 through August 1987. Application deadline is March 1, 1986. To obtain applications write to:

MEM/STEP
School of Education
Furcolo Hall
University of Massachusetts
Amherst, MA 01003

Imitate Hemingway

No, not by being fat, hairy and dead, but by writing like Hemingway, for fame and fortune. The Ninth International Imitation Hemingway Competition has a February 15 deadline. That’s only eight days from now. Write fast. What is imitation Hemingway? It is writing. One page of wry, like Ernest Hemingway. It is parody. Funny is good. Very funny is very good.

Entries must sound like Hemingway, read like Hemingway. Enti re stories must mention Harry’s Bar and American Grill. No title.

The winner will receive dinner for two at Harry’s Bar in Florence, Italy (plus round-trip air fare but no cost). The winner is from Europe or she comes to Harry’s in Los Angeles. Judges for this year are Ray Bradbury, Burnaby Central, Jack Kerouac (two of Ernest), Dicky Dieth (book editor of the Los Angeles Herald Examiner), Ber- nice Kert taugh of the Hemingway Women; ad cav. Paul Kearsy; George Plimpton; and local favorite Jack Smith.

Submit your entry to Harry’s by an official entry blank or a plain piece of paper. Entry blanks are available in person or by mail from the restaurant, 2020 Avenue of the Stars, Los Angeles, CA 90067. All entries become the property of Harry’s Bar & American Grill.

Road Hockey

The Canadian Club would like to remind all its old members that we are still playing road hockey every Saturday from 9 am to 11 am in the Madre area for 10 years. Limited space; pre-registration and more information please call extension 3933.

HELP WANTED--

COMPUTER ENGINEERS. Full time contract and permanent positions at JPL and other Valley locations. BSEE or Computer Science or equivalent experience. Execuse Personnel Service. 1756 Manhattan Beach Blvd., Manhattan Beach, CA 90266 (213) 376-8732.

COMPUTER GRAPHICS EXPERT to develop graphics input software on IBM PC for the existing Power Electronics Computer Modelling Program. This position is expected to pay up to 50 per hour. Expected completion date is June 1986. Pay scale $8 to $10 per hour depending on qualifications, if you are interested and for more details please contact Prof. S. Cuk (x4942) or Mr. Gil Andrews (x4781).

EXCELLENT INCOME for part time home assembly work. For info. call (504) 641-8003 ext. 8738.

AGENTS LOOKING for people to work in T.V. commercials. For info. call (310) 837-3401 ext. 543.

HOUSING--


SHARE HOUSE: room with private bath in very large house, 1 mile south of campus. Parking, pool, laundry. $300/month including utilities. Andy & Sarah Ingersoll 796-4745.

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