



Game of Trivia Challenges Minds

by Phil Fernandez

Name both of the mythological twins contained in the constellation Gemini. How long was the famous erased gap on the White House Watergate tape? What's the more common term for radiohumeral epicondylitis?

These questions and others like them challenged contestants in last Friday's College Bowl demonstration competition. Sponsored by the Caltech Y and organized by Nancy Matthews, College Bowl is an intercollegiate quiz game in which contestants earn points for correctly answering questions about history, science, literature, entertainment, sports, and current events.

Each round consists of two seven-minute halves in which the two competing teams try to be the first to answer 10-point toss-up questions. Correct answers enable a team to attempt bonus questions ranging in value from 5 to 30 points.

Host Ned Munger and Judge Bob Carr oversaw the competition in which the team of Jung Gwon, Koichi Savano, Jim Pendley, Peter Capofreddi, and substitute Balaji Srinivasan emerged undefeated.

Other participants included David Bruning, Eric Fung, Yu Hung Kuo, David Miller, Pat

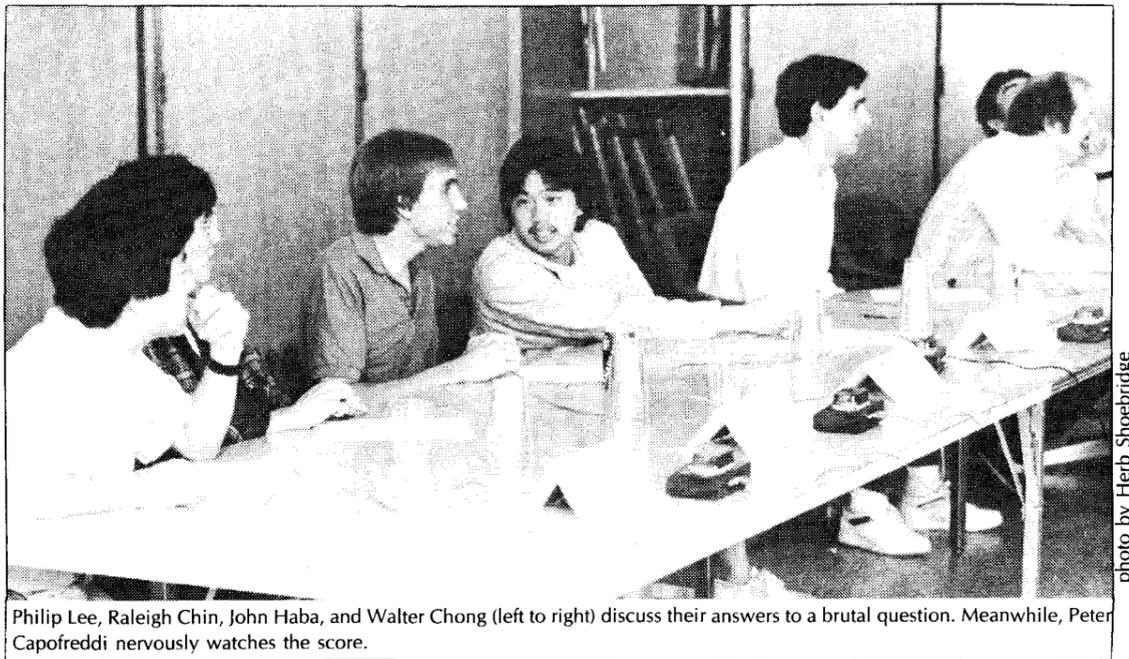
Huber, John Salmon, Elizabeth Wood, Ahmed Abd-Allah, Erik Krumbrey, Betsy Andrews, Van Eric Stein, Philip Lee, Raleigh Chin, John Haba, and Walter Chong.

About 130 people attended the tourney, and at the peak hour, there were around 85 spectators. The demonstration prompted a number of students to sign up for future participation.

Coordinator Nancy Matthews hopes to continue these demonstrations once a month in preparation for competitions with other schools next year. Although actual intercollegiate competition is restricted to full-time graduate or undergraduate students, demonstration competition is also open to faculty and staff.

Additionally, organizers are needed to help run College Bowl competitions. So if you can identify King Arthur's wife as Guinevere or spell electroencephalograph, attend an informational meeting at noon, Tues., March 1 in Room 13 of the Student Activities Center.

By the way, in case you're interested, Castor and Pollux comprise Gemini, there were 18 1/2 minutes of blank tape, and radiohumeral epicondylitis is better known as tennis elbow.



Philip Lee, Raleigh Chin, John Haba, and Walter Chong (left to right) discuss their answers to a brutal question. Meanwhile, Peter Capofreddi nervously watches the score.

photo by Herb Shoebridge

New Offerings in Humanities

Once again there are a few last minute additions to the courses offered third term. The following are ones *not* in your information packets, and for which you might wish to pre-register (hint, hint, pre-reg is real soon now).

Hum 3a: *Early European Literature*. A critical exploration of selected English literature through the seventeenth century, including Chaucer, Shakespeare, Donne and Milton. Writing requirement of 4,000 words. Instructor: Jenijoy LaBelle, T 2-4, Th 3.

Lit 140c: *German Literature*. The reading and discussion of works by selected 19th and 20th century authors. Conducted in German. Prerequisite: Lit 132abc or equivalent (2 years of college German) or permission of instructor. Instructor: Andreas Aebi. Organizational meeting on Wednesday, 3/30 at 2 pm (place to be announced).

Lit 149a and Lit 180: *Literature of the Third World*. Maryse Conde comes from Guadeloupe. She was on the Sorbonne faculty and has taught at the universities of Nairobi, Jamaica and at Occidental College. She has appeared several times on French television on the most popular TV literary panel, "Apostrophe," and her works, which include several best-sellers, have been widely reviewed and translated. A rare opportunity for Caltech students to take courses from a distinguished French novelist. Organizational meetings will be Tuesday, March 29 (Lit 149a at 11:00; Lit 180 at 4:00, place to be announced).

Lit 149a will cover several novels by African and Caribbean writers such as Amadi Elechi and Ahmado Kourouma. Professor Condé has not yet communicated to us her complete reading list for the course.

Lit 180 ("From Oral Tradition to Writing") will trace the presence of ancient oral narratives in novels by Simone Schwartz-Bart, Mario de Andrade, Edouard Glissant, Maryse Condé herself, Lezama Lima and others.

About this course Maryse Condé says: "Most great religious or

epic texts have been *told and sung* before being cast in the written form in which we know them today. Orality is therefore not an exceptional phenomenon special to a few societies.

"But what is specific about some civilizations (African, Antillese, Latin American) is that their written literature was not born from the coification of a previous oral tradition; it was imported by some foreign civilization which had conquered the native one at some point in history. In this sense the written literature is foreign, not to say antipodal, to the oral tradition..."

"In those colonized societies, the writer's mission is therefore to make room, in the midst of his writings, for that marginalized and occulted orality. Thus his works become an essential testimony about those dead but always to be revalorized cultures."

Lit 180: *Medieval Storytelling*. Texts for this course will be the two masterpieces of fourteenth-century storytelling, Boccaccio's *Decameron* and Chaucer's *Canterbury Tales*. Through them, the class will attempt to understand the culture they so brilliantly (and often so comically) represent. Instructor: Helgerson, TTh 1-2:30 (meeting time is negotiable).

Art 101: *Art of the Nineteenth Century*. A survey of nineteenth-century art with an emphasis on French painting created between 1780 and 1880. The lectures will focus on issues such as the new image of the artist, the tension between public and private statements in the arts, the rise of landscape painting, the development of the avant-garde, and paintings of modern life during this period. Instructor: Shelley Bennett, W 7-10.

Music 101: *After Beethoven—the Symphony in the 19th Century*. The major symphonists of the 19th century will be studied—from Berlioz to Mahler. Sample works include the *Symphonie Fantastique*, Brahms' 1st, Mahler's *Resurrection*, Tchaikovsky's *Pathétique*. Reading, listening, lecture and score analysis will comprise the basis of the course. Although not a pre-requisite, a reading knowledge of music would be helpful. Instructor: Dr. Donald Caldwell. Questions answered (details, schedule, etc.) at x6197.

Internship Offers Experience

by Dwight Berg

The Beckman Internship is one of the many awards that allows Caltech students to broaden their education. The internship offers a \$2,500 stipend to a student to spend the summer working in a job related to politics. All students who intend to attend Caltech next year are eligible to apply. A student can find his own job or can get assistance from the school in locating a suitable job. This allows the student the flexibility of living at home or staying at Caltech.

I received the Beckman Internship for the summer of 1987 and worked for the Prince George's County Department of Housing and Community Development in Landover, Maryland as an assistant to the assistant to the Director of Housing. My workday consisted of obtaining and analyzing data on different housing problems and

solutions.

The two main problems that I worked on were alternative housing projects for low income families and manufactured housing as a possible low cost solution for urban homes. By the end of the summer, I wrote a report outlining the pros and cons of manufactured housing suggesting it be used because of its low cost and aesthetically pleasing properties.

I also started the first countywide survey of rental dwellings in order to update and correct Fair Market Rent Tables published by the Washington, D.C. Council of Governments. The telephone survey included 180,000 county rental units. The data collected included room sizes and average rents, and utilities and other extras included in the rent.

Working in the Housing Department has helped me learn

about the bureaucratic processes involved in allocating funding for Section 8 housing assistance, dealing with angry constituents who were not satisfied with the assistance they were granted, and more. In addition, I attended some budget meetings of the County Council to see how the municipalities proposed using their share of Community development funds which our department allotted them.

The Beckman Internship allows students the chance to escape from the world of science and engineering and to broaden their personal experiences allowing students to dabble in the real world of politics to see if they may be interested in a political career. Interested students are encouraged to contact the Deans' office (x6351) or to talk to me about my experience last summer.

Illiterate Learn through Pasadena Reads

by Carlos Ramirez

By current estimates, somewhere between one fifth and one third of all adult Americans are functionally illiterate. In Pasadena alone, between 20 thousand and 41 thousand people do not have the basic skills necessary to read a newspaper or fill out a job application.

In response to the acute problems and special circumstances faced by illiterate adults, the California Literacy Campaign was established. The local extension of that program is Pasadena Reads.

In an increasingly text-oriented society, illiterate people suffer a

handicap that, in many cases, can be more debilitating than a physical disability. In addition to the practical difficulties of not being able to read, individuals feel adverse psychological effects of being illiterate in a literate society.

Often, these people suffer feelings of frustration and shame at their inability to read. For this reason, they find it difficult to seek aid for their problem, fearing other people will find out about their disability. This is especially the case with people who belong to higher income groups where illiteracy is less prevalent, but still a serious problem. People from all segments of society suffer from not being

able to read and write.

The Pasadena Reads program is run by the Pasadena Public Library and is funded by a grant from the California State Library. The goal of this program is to provide basic literacy training for English speaking adults in the Pasadena area.

Training is provided without charge to any adult, defined to be an individual more than 17 years old, living in the Pasadena area. Literacy trainers, who are primarily volunteers from the public libraries and the Pasadena community, have all completed a 12 hour Laubach Literacy training course.

Tutoring sessions are usually carried out on a weekly basis and

are usually held in special areas in local public libraries. Also tutors and learners meet at sites throughout the community in order to offer a more relaxed and discrete learning environment.

To date, the Pasadena Reads program has had a great deal of success in dealing with the problem of illiteracy in Pasadena. Still, the problem is as prevalent as ever. More tutors are needed to teach the great number of people who have expressed their desire to learn to read. Anyone interested in tutoring is encouraged to contact the Pasadena Public library at 405-4034 for information.

There are extra issues of the Feb. 19 issue of the *Tech* in room 40 of the Student Activities Complex (the *Tech* Office).

The California Tech

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entertainment

TACIT: *Oliver* Sings

by Astrid Golomb and
Su-Lin Wu

As there is no curtain in front of the set, one is impressed right away by the ambitious set constructed for TACIT's production of *Oliver*. A monumental structure of sooty brick walls and a catwalk embraces the stage. To those who saw *Nicholas Nickleby*, it will look similar to the Royal Shakespeare Company's *Dickens* set scaled down to Ramo Auditorium's proportions.

For the most part TACIT's *Oliver* lives up to this first impression. It is a very good show within the limitations of Caltech's resources.

As the orchestra begins to play and the actors start to move, it becomes apparent that this wonderful set has presented a considerable obstacle to the show's technical staff. The cat walk stifles noises from upstage and acts as a shell for the orchestra, so the usual difficulties presented by Ramo's shallow orchestra pit are exaggerated.

The catwalk was also a nightmare for the lighting designer Glen Ivey. Often the stage looked patchily lit, or dimmer even than one would expect of dingy Victorian London.

These were the biggest problems with the show. Fortunately they were distracting for only a short time. *Oliver* got better and better as it went along. The audience got used to listening to the singers over the orchestra, the other technical problems were forgotten, and the delight of the show carried us into the story.

The crowd scenes were in my opinion the director's triumph. Shirley Marneus figured out a long time ago that people make the best set decorations. This show's life came from her talent of being able to make attractive arrangements of actors in each scene.

The choreography in this show was the simplest of any TACIT show in years. This provided for the marvelous advantage that no one made an obvious mistake! Patti Sahagian is to be heartily applauded, and the dancers, too. They were great; especially the men who, rather than looking sheepish and self-conscious, smiled comfortably at the lights and appeared to know exactly what they were doing!

The principal roles were played by very good actors and singers. Traci DiMartino was as charming an Oliver as you could hope to find. We first hear her sweet voice in her solo, "Where is Love".

But the wildest cheers went to Tom Hubbard. His Fagin, played with just the right amount of comic edge, would be heralded as a great performance in any theatre in town. His expressions as he sang the line "I think I'd better think it out again!" in "Reviewing the Situation" were terrific.

Diana Lettman's Nancy was winningly coquettish and natural. Simon Morris was riveting as Bill Sikes. He made a very powerful entrance as his sparkling eyes glared and he scowled "My Name."

The Dodger, a.k.a. Jack Dawkins, was played humorously by Steve Sobelman. His walk across the stage poised to pick a pocket reminded me of Groucho Marx. The Widow Corney was well played by Elizabeth Atwood Smith, especially in "I Shall Scream."

A couple of flourishes were particularly enjoyable. The snow in "Boy for Sale", the death of Bill Sikes, Mrs. Sowerberry's and Bet's screams, and several cleverly contrived surprises in the blocking worked particularly well.

In almost every respect, the costumes and make-up suited the production very well. Svelt Elizabeth Atwood Smith was made to look stout, the undertakers looked very severe, the workhouse boys looked suitably ragged and poor, the girls among Fagin's boys and Oliver were entirely convincing in their transformations. Fagin was seedy, Bill Sikes looked evil, and, all in all, the costumes looked Victorian right down to the bloomers and petticoats on the women dancers.

Two particular problems still needed attention last Saturday. The fight scenes between Nancy and Bill were almost amusing rather

than appalling. The first time Bill moved to strike Nancy, she posed for a "high five". And the choreographed sequence was equally painful to watch for its lack of conviction as for its brutality.

The accents of a few actors, not identifiably English really, wander from Australia to Canada with occasional side trips.

Everyone who sang in the show has benefited greatly from working with the musical director David Holcenberg. The singing in the show sounded better than I've ever heard in a Caltech musical. Also directed by Holcenberg, the orchestra, which gave the impression of having more people than they had, sounded good.

Holcenberg's efforts are evident in the Finale which is a *tour de force* for the entire company, and a wonderful way to end the evening.

All performances of this musical are dedicated to the memory of Richard P. Feynman who participated in many Caltech shows. It is a worthy and fitting tribute.

Oliver can be seen this weekend at Ramo Auditorium. The musical will be performed on Feb. 26 and 27 at 8:00PM and Feb. 28 at 2:00PM. For tickets and information contact the Caltech Ticket Office at 332 S. Michigan Avenue, or call 356-4652.

Editorial Policy

For the next year, we will be editing *The California Tech*. We now present our editorial policy.

The *Tech* receives two types of material: submitted, such as letters and "The Inside World," and solicited, such as articles. We believe there is a clear distinction between the two, and will treat them accordingly.

Letters to the editors and "The Inside World" will be edited for length and abusive language. This is particularly relevant to "The Inside World," which tends to be voluminous. To ensure that excessive amounts of submitted material are not cut, each house should present only one column. The editors will consider printing more than one for a house if and only if space should allow it.

Submitted material must include a valid author by-line. Those submitted without one will be summarily filed away in a convenient place. In addition to the by-line, letters should include appropriate

qualification, e.g. the author's affiliation with Caltech, along with a mail-code or phone number at which we may contact him.

Submitted material are not guaranteed publication. Space and relevance are the primary considerations when deciding whether or not to print material. However, **nothing** received after 6:00PM Wed. will be printed, since the editors must maintain strict deadlines.

The *Tech* welcomes writers. Anyone with any ideas - news, sports, editorial, or entertainment - is invited to discuss them with the editors. If accepted, the story will be given the status of solicited material. Anyone interested in writing on a regular basis should sign up for PA15 (3 units) and come to the *Tech* meetings, Fridays at 12:15PM in 127 Baxter.

We look forward to a productive term in office. The editors welcome suggestions, submissions, and writers. Especially writers. Please, drop us a line.

letters

Richard and Sir Isaac

To the Editors:

Richard Feynman knew that I often did my literary research at the nearby Huntington Library, and he decided that he too would like to become a "reader." Accordingly, we went to the library early one morning, Richard was granted a reader's card, and I left him sitting contentedly in the Rare Book Room studying an early edition of Newton.

During lunch he told me of his adventures. He found in the text a particular problem in differential calculus, and he also saw that Newton had solved the problem in a rather clumsy way. Richard was pleased to realize that he could figure out in his head a better way of solving the problem. But he turned the page and found that Newton offered a more elegant method of solving it--indeed, the very explanation that Richard had foreseen. But then, he laughingly said, he read the next paragraph, which began, "The best way to solve this problem, however,..." and Newton went on with a solution not yet thought of by Richard.

It is the delight and the sweet (not quite) humbled pride Richard took in telling the story which stay in my memory. To the world, Richard appeared as the great theoretical physicist; to himself, he often was (to use Newton's image) only another boy playing on the seashore. Sometimes it was he who found the smother pebble. Sometimes it was his friend Isaac.

Sincerely,

Jenijoy La Belle
Associate Professor of Literature

California Tech Meeting Today

The staff of the *California Tech* will meet this afternoon in room 127 of Baxter Hall at 12:15PM. All persons interested in writing, news photography, or even editing are encouraged to attend.

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The Jerk

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Apologies to Glen Tessler, who aided in the production of the 19 Feb. issue of the *Tech* but was inadvertently omitted from the staffbox.

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entertainment

Tech Hosts Choirs

by Carmen Shepard

In the early 1920's, California Institute of Technology, University of Redlands, and Pomona College founded the Pacific Southwest Intercollegiate Choral Association, which holds a festival each year so that members can see what the other schools are doing. Since then, the association has grown to thirteen schools, some of which have large music departments.

This year Caltech hosts the festival. The festival, which will be held on March 5, 1988, has two parts: an Honor Choir rehearsal in the afternoon in Ramo Auditorium and a concert at 6:30 pm in the Pasadena Presbyterian Church.

The Honor Choir consists of eight singers from each school who will rehearse for two hours with John Currie, the director of the Los Angeles Master Chorale, and this year's adjudicator. The Honor Choir does not perform, but it does receive a chance to work with an excellent director and a group of wonderful singers. It is a pleasure singing with the best vocal students from twelve other schools.

The Caltech Honor Choir includes graduate students, Chris Wilson, Cathy Hayes, Donald Cotter, and Eric Klassen, and undergraduate students, Elaine Lindefel, Carmen Shepard, Chandra Raman, and Marc Abel.

The members have rehearsed with Monica Hubbard, director of the Women's Glee Club, for most of the second term. On occasion, the members from the other schools have seen the music for the first time at the festival and apparently have had no problems. It induces a spark of envy, but, all the same, it is fun to sing with good people.

In the evening each school will present a few pieces. This concert is open to the public, but most of the seats in the church will be filled by the six hundred or so singers. Numbers are drawn to determine

the order in which each school will perform and ten minutes of performance time is allowed to each school. Currie takes notes on each group as it performs, and these comments will be distributed to each school.

Presently Caltech is planning to perform Vaughan William's "The Hundredth Psalm," Raffman's "The three Ravens," and Wilberg's "I'll Ay Call in by Yon town." Unfortunately, this is considerably more than ten minutes worth, so a piece will need to be cut out of the program if the limit is enforced. Several of the other schools will sound fabulous. (Yes, recruiting music majors does make a significant difference.) The worst part of the concert is worrying whether or not we follow one of the fantastic schools; the best part is listening to them.

Police Action Jackson

by Nick Smith

Action Jackson, starring Carl Weathers, Vanity, and outstanding villain Craig Nelson, is a relatively standard "shoot-em-up" cop story.

Jericho "Action" Jackson, played by Weathers, is a police detective who was demoted from lieutenant to sergeant for his rather overzealous handling of the arrest of the son of a major industrialist, who is played by Nelson. It is true that the said son deserved to be arrested, but some bleeding hearts did quibble about the near removal

of his arm. Jackson's comment of "Well, he had another one!" did not exactly endear him to his superior officers.

Because of his demotion, Jackson was re-assigned to boring desk duty, until his captain could be convinced that he had "learned his lesson." Naturally, a major case comes up. With a desk job, no gun permit and all, he gets caught up in the case.

High ranking labor leaders are dying horribly, and all evidence is pointing to a major industrialist in the car industry, who just happens to be the same one whose son Jackson had busted (figuratively and literally). Vanity plays the bad guy's mistress, and, of course, she falls for Jackson at the first opportunity.

The story is pretty predictable, but fun while it lasts. The bad guy's pseudo-ninja elite killers are interesting, but prove to be unusually wimpy when contested with a good old American right cross and uppercut.

Basically, *Action Jackson* is worth seeing on a slow day when you want to see a violent movie. It is not great cinema, but it isn't a Golden Turkey either.

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なたをリクルートは求め
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The Inside World

Blacker: C'mon kids, you all know the words . . .

There's a man who's better off a stranger.
To every girl he meets he is a danger.
With every move he makes,
Another female shakes.
Odds are he'll be back again tomorrow...

Beware of freshman girls that you find;
For where they are he'll surely be behind.
Be careful what you say,
If you let him, he will stay.
Odds are he'll be back again tomorrow...

Oozing down the freshman alley one day,
Rooted by her doorway on the next day.
She's given him the slip,
But he is such a dip,
Odds are he'll be back again tomorrow...

CHORUS: Super-glommin man,
Super-glommin man,
You're interesting as lumber,
And equally as lame...

Congratulations to Rorkor - Evil Master of Game Theory and Relentless Logic, the winner of the "Irene Chen Bar Hopping Pool."

I don't know. What is the difference between a Caltech girl and a VAX?

Results of readers poll.

Q: Does Anna get glommed?

No valid answers were received. Thus, Dave and I cast the deciding vote, and we say that Anna does, in fact, get glommed.

—repeat ad nauseous

Dabney: LAB REPORT

DATE: Feb. 12

AUTHOR: Abdul

CLASS: Ch 3a

LAB: THC effects on CNS functions

The synthesis was a smashing success. Drs. Hughes and Avery, despite many experts predicting the utter failure of such endeavours in the current chemical environment (approaching pure ethanol), nevertheless prepared the proper items and found numerous volunteers. Cook Staats and Cook Emeritus Keruich were pleased with the product and pronounced it good without hesitation.

Some preliminary indications were encouraging. The effect was measured in Dirks, or Bourgeois per square inch. Cooc Staats, of course, managed a record 4 Dirks in under three hours. As the evening progressed, another new unit was invented: the Lemoff, equalling point five Runge.

The quotes observed were most enlightening. From "Colors!" and "Like, wow, man," the canonical quotelines, to the new favorite "I'll have what the gentleman passed out on the couch is having," an all time was merry by had. Or something. (Giggle) I, um. What was that you were about to repeat again for me one more time? Gee.

The yield was phenomenal, considering the circumstances. By proper extrapolation and only minor data fudging, (fudging - get it?) we may arrive at a whopping figure of 29%. Not bad, when one considers the amount of yield that was produced by completely original persons - er pathways - and the fact that another approximately 10% were unavailable due to an altogether less pleasant chemically induced experience, including one soon-to-be-extremely-sorry Inside World scribe.

-Abdul

Fleming: Well, we had a Lloyd wash in page on Thursday. We were supposed to have a Lloyd wash but the Lloyd president came over (alone, what a moron!) and said all the Lloydies had been poisoned so could we please not hurt them. So we decided to wash him instead. In Lloyd. Unfortunately, someone slipped while we were carrying him across the Olive Walk so we had to let him go before he went psycho on us. So we went to page instead and washed them.

Melinda doesn't know what bunda means. Signups are in the lounge. Daniels is busy that night.

Wine and Candlelight was canceled by the Pasadena Health Department, so we had Beer and TorchLight instead.

The RA doesn't know it yet, but he's taking Fleming House to the Ath on the Housing Office. So far none of the Page Boys have thrown the Graham-Mobile off the roof. They must not be feeling well.

Just what sort of strange Toxic Nuclear Waste is the Social Team keeping in the far right beer fridge? And why is the door roped shut? Is it alive? And why are they trying to sell it to the Rudds?

When is the new House Secretary going to make up a house list so that when lamos from the administration call Alley Five (Alley Five is the center of the Universe, remember that.) asking for people in the other lamo alleys I can tell them where to go.

continued on page 4

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More Inside World

from page 3

This weeks excerpt from the Brian Daniels Book of Bedtime Stories: Once upon a time, there were three officers. The VP, the Secretary and the Treasurer. They all went to the awesome pipeline experiment. While they were gone, Goldilocks wandered into their rooms. When the officers came back...

[rest of story censored by Tech Editors, probably]
And so Goldilocks said, "This one's too small, this one's too small, this one's too small."

There are 36 Frosh in this house. Just thought you'd like to know. The other alleys are still so cowed into submission by Alley Five that they haven't dared to challenge us.

Dave Jung thinks he's a Kung-Fu Master. We know better. He also was the one that told us that there were 36 frosh in the house. Hmmm, I wonder how he figured that out. Maybe he...counted them? Two or three or six times? Then again, Daniels thinks he's a ninja.

New Evil Melinda Knox Jello™ Triple Sec, Vodka, and Wild Cherry Jello™ Take two cups boiling water, mix in Jello™ Mix, then add one cup each of Triple Sec and Vodka. Refrigerate. Makes one drunk Flem.

This Week's Vicious, Unsubstantiated and Probably Wholly False Rumor: Alley Six is an Alien Love Bazaar! Yes, it's true (well, actually not)! Brian Catanzaro is a cross-dressing female space alien from the oceans of Jupiter living out a bizarre deviant sexual fantasy on earth with Plutonian Steam Hockey player Brian Daniels, a denizen of Zamnabulon Beta with a penchant for froezenegal intercourse, who also happens to be living in sin with Grand Martian Space Poobah Adam Slovik, who, interestingly enough, is the love-child of Frank Vasquez, from Iowa. (PROBABLY false). (Frank is actually from Wisconsin, but doesn't want to admit to coming from the same state as Barry Lind.)

-NeanderFlem & Young Fansome

Lloyd: Yee Haw! It's gittin' near plantin' time and what would we do without the ad-vice of the "Old Hick's Almanac"? It's just plum full of the wisdom of our daddys distilled from them like moonshine from corn. Just to wet yer whistle, we thought we'd serve ya up a sample...

Old Hick's Almanac 1988

Weather:

When Ian dances the Cure, it's gonna rain tomorrow.

When Akama's hair is up in the air,

Expect the weather fair.

When Akama's hair is down on his head,

Good weather fears to tread.

When Chimey listens to the delicate strains of Prokofiev, the first frost is just around the corner.

Capellari brushes his teeth in morning,

Sailors take warning.

Capellari brushes his teeth at night,

Sailor's delight.

Tips:

If the moon is new, Brian O'Neil is leaving Tech for good.

If the moon is full, he's back to stay.

30 pounds has Tren Huang, Kevin Chase and Douglas Chang.

All the rest have 31,

Excepting Earl Taylor who weighs about 280,

290 during leap years.

If you peel an apple and drop the peel on the ground in one piece, it will spell out the name of Boofer's next boyfriend.

Tara will make a lame announcement fshore,

If it was dark the night before.

Birthstones:

Month:	January	February	March	April
Birth Stone:	Topaz	Emerald	Aluminium	Amethyst
Birth Flower:	Carnation	Lily	Tulip	Chrysanthemum
Birth Girl:	Anita	Carol C.	Stephanie	Rhonda
	May	June	July	August
	Diamond	Opal	Garnet	Jade
	Poppy	Orchid	Daisy	Cornflower
	Alecia	Carol M.	Helen	Karen
	September	October	November	December
	Ruby	Sapphire	Concrete	Agate
	Dandelion	Violet	Rose	Gardenia
	Thuy	Yip	Tara	Janet

March						
S	M	T	W	Th	F	S
		1	2	3 Waxing Ken	4 ♂	5
6 National Geekout Week Begins	7	8 ♂	9	10 ♂	11 Full Ken	12 National Geekout Week Ends
13 Waning Ken	14	15	16 ♂	17 Spring Break Begins St. Patrick's Day	18	19
20 Vernal Equinox ♂	21 New Ken	22 Vernon Mullenax	23	24	25 ♂	26
27 Palm Sunday	28 Spring Break Ends ♂	29	30 Waxing Ken	31		

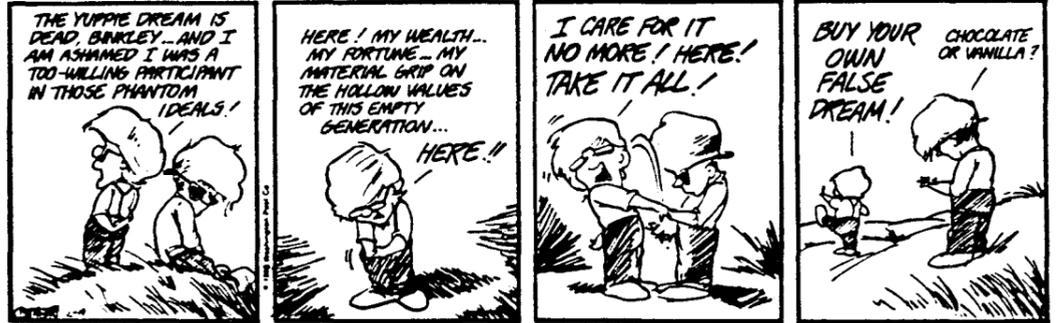
- = Ken wears no black
- = Ken wears black shirt
- = Ken wears black pants
- = Ken wears all black, making him really cool
- = Jettner Manhood Index (JMI)

continued on page 5

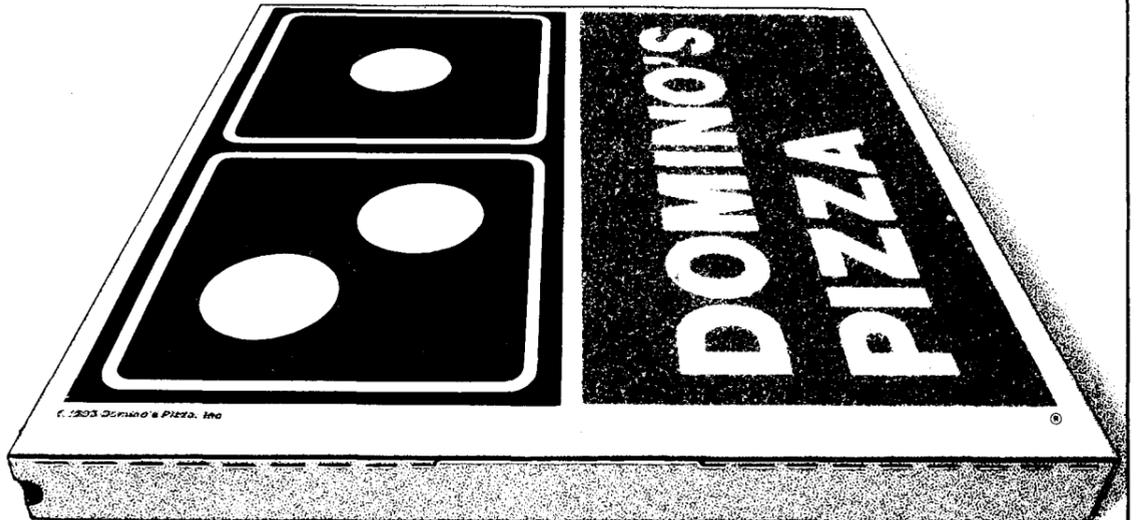


bloom county

by Berke Breathed



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sports

WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	2-26	3:00 pm	Baseball	Occidental	Occidental
Sat.	2-27	11:00 am	Baseball (2)	Occidental	Caltech
Sat.	2-27	1:30 pm	Tennis (M)	Whittier	Whittier
Sat.	2-27	1:30 pm	Tennis (W)	Redlands	Redlands
Sat.	2-27	TBA	Fencing	Women's West. Regionals	San Diego
Sat.	2-27	TBA	Ice Hockey	M.I.T.	M.I.T.
Sun.	2-28	TBA	Fencing	Women's West. Regionals	San Diego
Sun.	2-28	11:00 am	Soccer Club (W)	Misfits	Caltech
Mon.	2-29	1:00 pm	Golf	Redlands	Occidental
Tue.	3-1	3:00 pm	Baseball	Pac. Coast Baptist Bible College	Caltech
Tue.	3-1	3:00 pm	Tennis (M)	La Verne	Caltech
Wed.	3-2	3:00 pm	Tennis (W)	Christ College	Caltech
Wed.	3-2	9:45 pm	Ice Hockey	Cal Lutheran	Pasadena Ice Center
Fri.	3-4	3:00 pm	Baseball	Claremont-Mudd	Caltech
Fri.	3-4	3:00 pm	Tennis (M)	Ft. Lewis College	Caltech
Fri.	3-4	All Day	Golf	So. Cal. Intercollegiate Tourney	Torrey Pines
Sat.	3-5	All Day	Golf	So. Cal. Intercollegiate Tourney	Torrey Pines
Sat.	3-5	11:00 am	Baseball (2)	Claremont-Mudd	Claremont
Sat.	3-5	11:00 am	Track	Redlands	Claremont
Sat.	3-5	1:30 pm	Tennis (M)	Pomona-Pitzer	Pomona-Pitzer
Sat.	3-5	1:30 pm	Tennis (W)	Whittier	Whittier
Sat.	3-5	TBA	Fencing	Men's West. Regionals	Long Beach
Sun.	3-6	TBA	Fencing	Men's West. Regionals	Long Beach
Sun.	3-6	11:00 am	Soccer Club (W)	Mavricks	Caltech



photo by Michael Keating

Huck Seed goes up for a shot in last Friday's game against Occidental's JV team. Caltech lost the game.



Swimmers Dry Up

by Flip Turner

This past weekend, the Caltech swim team competed in its final meet of the '87-'88 season: the SCIAAC Conference Championships, held at East L.A. College Swim Stadium.

record set in 1981 by Chris McKinnon at 2:04.29—missing national cuts by only one second! Stipe placed fifth in the event—narrowly missing third place.

Also on Sunday, team captain Brian Hayes, a junior, swam a 2:16.6 in the 200 Breast Stroke, missing cuts by under three seconds and taking fifth in the event. Other individual highlights included the following:

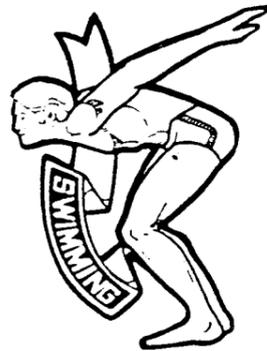
- Brian Hayes 200 IM2:03.9 9th
- Brian Hayes 100 Br 1:03.4 5th
- Barry Stipe 200 IM2:04.64 10th
- Barry Stipe 100 Ba 0:56.53 3rd
- Dave Geraghty 100 IM2:13.60 14th
- Dave Geraghty 200 Fr 1:52.50 15th
- Dave Geraghty 200 Fly 2:11.71 6th
- Devin Leonard 50 Fr 0:23.3 11th
- Keith Miyake 1m Diving 3rd
- Robert Young 1m Diving 4th

The men's team finished fourth at the meet. Coupled with their third place finish in the dual meet season, they achieved a tie for third overall with Occidental College—behind national power Claremont and a strong Pomona team. Although no swimmers made NCAA Division III Nationals qualifying times, a couple of swimmers came close in their best events.

In terms of individual performances, the highlight of the meet came Sunday evening in the finals of the men's 200 Backstroke. Freshman Barry Stipe swam an inspired 2:01.64 to break the school

Other swimmers scoring individually included Chris Edgington (100 Br and 200 Br), Jordan Holt (1650), James Hammond (400 IM, 1650), Geoff Pilling and Mark Hause in 200 Back, and Ben Finley in 200 Fly.

The team was pretty much on its own over the weekend, as coach Clint Dodd was busy being meet director. Next year, the men's team could be even stronger, despite the loss of senior James Hammond, because of this year's experience and the return from leaves of absence of a couple of potential all-conference swimmers. As coach Dodd has been fond of saying lately, "Next year is going to be the year of the Beaver!"



Track Running Up

by Shin Splint

On a hot Saturday morning, four women and nineteen men from our glorious track team converged lazily to Pomona's blue track for an all-comers meet. Whittier, La Verne, Pomona, Claremont, and UCSD, were some of the schools that were represented, while a few unrepresentative athletes from Occidental and other schools were also present.

Although the crowd was not as big as expected, the competition was decent. This, combined with the fact that non-team competition allowed the athletes to run few events, led to some good individual performances.

Joe Shiang, steadily adds to his experience in the 800m, being the first Techer this season to run it in under two minutes (1:59.85). Hopefully, others will follow his example, so that we can establish our presence in this key event. Six to eight seconds slower, scattered among the three heats of the 800, were also Ray Hu, John Raguin, and John Gehring. Gehring's strong point was the 1500m (4:07.50), a race where the winning time was under four minutes.

At the 100/200, Dave Park (11.83/24.10), and Jack Prater seem to emerge as Beaver-sprinters, while Tom Tetzlaff (12.08/24.36) continues to improve through his third year in the team.

Steve Harkness, Ed Mao, and Bill Le Borgne represented our improving throwing squad, this time favoring the shot put (11.39, 10.54, 10.22 respectively). James Davila was the only member of the team to try the 400m, which he ran in 54.27.

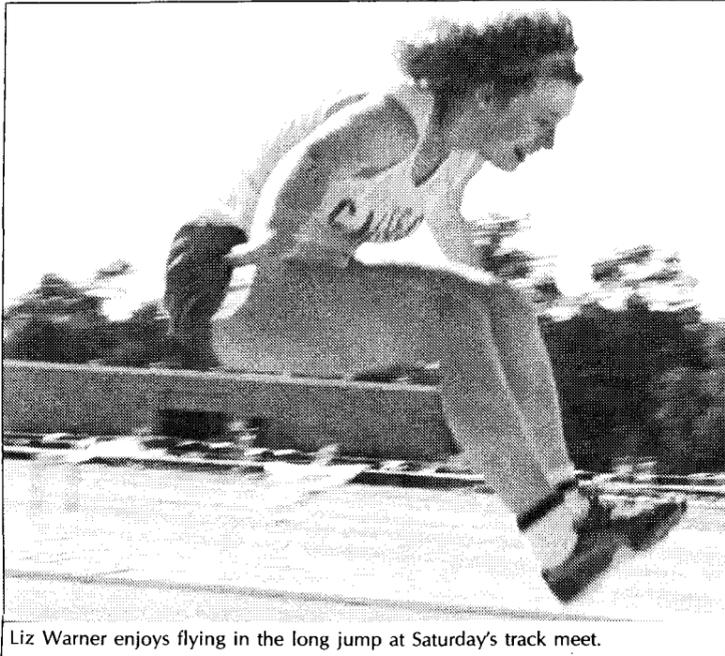


photo by Alex Athanasopoulos

Liz Warner enjoys flying in the long jump at Saturday's track meet.

On a track dominated by the blue colors of Pomona, and the UCSD babes, the part of the women's team that represented Caltech managed to show off successfully. Golda Bernstein, and Bibi Jentoft-Nilsen displayed our school colors at prominent places in their 800's, with times of 2:38.36, and 2:36.59 respectively. Liz Warner set her third distinct school record in the 100m (13.87), being the first female Techer ever to break 14.00 in that event. She also improved on

her long jump record with 4.61m. Christina Garden also showed up, and ran the 1500 in 6:26.

The conference meets will not start until March, so the team is taking it easy this week, and they are not racing. The next time the Beavers will compete will be with Redlands at Claremont on Saturday, March 5.

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sports

The Road to the Beaver Cup

by Dwight Berg

This weekend when the Caltech Ice Hockey Club takes to the ice at MIT in Cambridge, Massachusetts a new tradition will be born - the annual Beaver Cup game between MIT and Caltech which alternates home field yearly.

The Beaver Cup is the brainchild of Haj Sano, a worker at JPL who graduated from MIT in 1982. "I feel it is an opportunity to strengthen relations between the institutes and hope it is the start of a longstanding tradition," says Sano about this year's contest.

The Caltech contingent will consist of a nineteen-man roster including two goalies and a trainer. Also attending the game, which is scheduled for 2:00PM EST on Saturday February 27, will be Caltech's President Tom Everhart and Vice President Jim Morgan. The pregame festivities include a dinner at the house of MIT president Tom Gray and a banquet with the Boston area Caltech Alumni Chapter after the game. An additional game has been scheduled on Sunday at 5:00PM EST against the MIT alumni.

The Caltech Ice Hockey Club will enter the Beaver Cup II contest sporting a 10-3-1 winning record, including a last minute 6-5 loss Wednesday night against Irvine at Costa Mesa Ice Capades Chalet. The Beavers will sport an offense composed of three solid lines and a defense consisting of seven hard-hitting monsters. The first line will be centered by alternate captain

Martin Brouillette with Pavel Svitek and Dave Braun on the wings. They will be accompanied on defense by the pair of Dwight "Ice" Berg and Sandy Krasner. Coach George Yates expects this line to maintain a physical style of play and is expecting them to come up with the majority of the teams offense. The fans are expecting them to come up with the majority of the team's penalties.

The second line is centered by Jim Bower with Mike "Lizzie Bor-

den" Freeman and Phil Askenazy on the wings. This swift skating line will be assisted in the defensive zone by Kent Rennie and Pierre Harvey. Harvey will be under heavy security this weekend because it is suspected that he may attempt to defect to MIT. The final line is alternate captain Haj Sano centering Pat Dobson and Jeff Hall.

Defending with the third line are coach/captain George Yates and Brooke Anderson. Defense-

man Peter Dowde will shore up the defensive corps while Dave Fort and Eric "Cockroach" Newman will round out the Caltech forwards. In the net for Caltech will be Ted Kantardjoeff. Kantardjoeff, who is majoring in shutouts and fermented beverage consumption, has a 2.27 goals-against-average in 13 games this season.

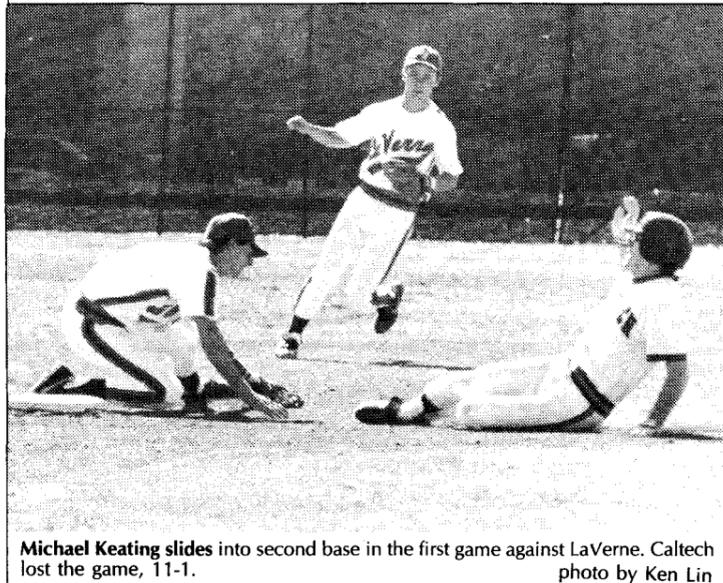
The 1987 Beaver Cup game was played at the Pasadena Ice Center in Pasadena. The MIT players came into Los Angeles and with

the advantage of the time change, managed to squeak by Caltech 11-3.

The game however was marred by an attempted prank. Apparently, UCLA students snuck into the ice rink the night before the game and painted UCLA Bruins on the ice. The students failed to realize that the zamboni would erase the paint on its first trip around the ice. Hopefully a serious prank can be avoided this year. However, ice hockey reserve player Calvin I. Techer is reportedly planning a major event.

The second article on "The Road to the Beaver Cup" will appear in next week's issue of *The California Tech*. It will detail the scores and highlights of both games and have pictures of any pranks that may occur.

Player	#	Ht	Wt	Hometown	Major-interest
Jim Bower	2	6'1"	210	Rochester, NY	Neurophysiology
haj Sano (A)	3	5'10"	160	Chelmsford, MA	Comp. Music
Jeff Hall	4	5'8"	135	Sarnia, ONT	Aeronautics
Sanford Krasner	6	5'8"	162	Detroit, MI	Aero/Astro
Phil Askenazy	7	5'10"	155	Wakefield, MA	Applied Physics
Dave Fort	8	6'1"	190	LaCrescenta, CA	Engineering Sci.
Patrick Dobson	10	5'11"	155	Suffield, CT	Geology
Pavel Svitek	12	6'1"	190	Prague, Czech	Beer-making
Dwight Berg	13	6'2"	200	College Park, MD	ME/AE
Peter Dowd	15	5'10"	170	Bricktown, NJ	Scarlet Begonias
Pierre Harvey	16	6'1"	205	Montreal, QUE	Chemistry
Martin Brouillette (A)	17	6'3"	215	Montreal, QUE	Aeronautics
Kent Rennie	18	5'9"	180	Glastonbury, CT	Chemical Engineering
Brooke Anderson	20	5'8"	138	Troy, MI	Comp & Neu. Sys
George Yates (C)	22	5'10"	155	Boardman, OH	Engineering Sci.
Mike Freeman	23	5'10"	165	Okemos, MI	Electrical Engineering
Eric Newman	25	5'6"	165	Sharon, MA	Electrical Engineering
Ted Kantardjoeff	27	5'11"	145	Los Angeles, CA	Shutouts
Frank Webb	28	5'10"	150	Pacific Palisades, CA	Geology
Dave Braun	29	6'1"	190	Salt Lake City, UT	Telemarking
Trainer-Dave Langley					



Michael Keating slides into second base in the first game against LaVerne. Caltech lost the game, 11-1. photo by Ken Lin

Minutes of IHC Meeting

IHC Minutes 8PM 24 Feb 1988.

1. Bob's Back

a. Tuesday Evening Dinners. Just a reminder that house presidents can nominate 2 people to go to the Ath and "Dine moderately elegantly."

b. Gary and the Food Service.

It is almost certain it wasn't the fault of the food service. About the signs posted about not having bare feet or torsos, Gary was required to post them so please follow them.

c. Substitute for noon concerts.

Bob proposes that the noon concert be moved to 5-8PM on an experimental basis. Gary can even cater the event like St. Patrick's Day. Everyone says give it a go.

d. Olive Walk Parking Policy.

Bob says that he wants everyone to get permission from the MOSH's office to go on the olive walk. Since it hasn't been a problem, the president of each house should get a key to the posts...maybe.

e. Wall Drawings. The policy is go to your prez first and then get it approved by Bob. Bob, however, is disturbed by the trend of infinite murals even though he hasn't rejected any.

f. Rotation rears it's ugly head. Bob wants to post lists of what house each frosh got into. Some protest is heard, but the subject gets but off until later.

2. Damage Fund. Dave Lipin asks, "what happened to refund?" Apparently, Housing hasn't been notifying houses about charges. It also seems that Nancy has moved the damage tours to a random time so no students can accompany the inspection. Everyone agrees there should be a schedule.

3. Motorcycles. Apparently people are complaining about motorcycles on the olive walk. There is a motion to ban motorcycles from the Olive Walk from 11AM to 1:30PM. Motion passes 6-0-1.

4. Dwight says 8PM is a good time for a meeting and so it is.

5. All non-IHC type people are kicked out so the IHC can choose a secretary. The candidates were...

Tim Hochberg
Allen Knutson
Barry Lind
Jennifer Low
Ted Rogers
Joe Fierro
Rob Hawley
Frank Kim

The victor: Rob Hawley

ASCIT Meets

ASCIT Minutes 10PM 23 Feb 1988

1. The budget meeting can be either 3 Mar. or 5 Apr. This would depend on how quickly can get the polls out and returned, and whether Mike S. can get the stuff together in time. Mike can get the stuff together, but people might not want to fill out the polls right when finals are. Meeting will be in Apr.

2. The polls will still be sent out as soon as possible. The poll will definitely be different from last year's. Questions will include what people think should be criteria and what clubs people are part of. It's the law to have a poll. There will be incentive to return the polls.

3. Jeff F. wants to know what to put on the ASCIT letterhead. People say their names.

4. Paul B., who ran for ASCIT VP was not able to get enough signatures on his petition for changes in ASCIT by-laws. Still, he would like ASCIT to consider them. Gabriela C. says BOC will consider, then discuss relevant ones with ASCIT. She needs a detailed description of the changes.

5. David L. brings up a "rude cut at Gary" in the "Undergraduate Research Opportunities Handbook." Perpetrator claims it was an RF. Gabriela points out that UROP is an official publication and should not be the place for such things.

6. Tony W. wants to get into the ASCIT office. Sam W. gets Jeff to ask Nancy for keys for BOD.

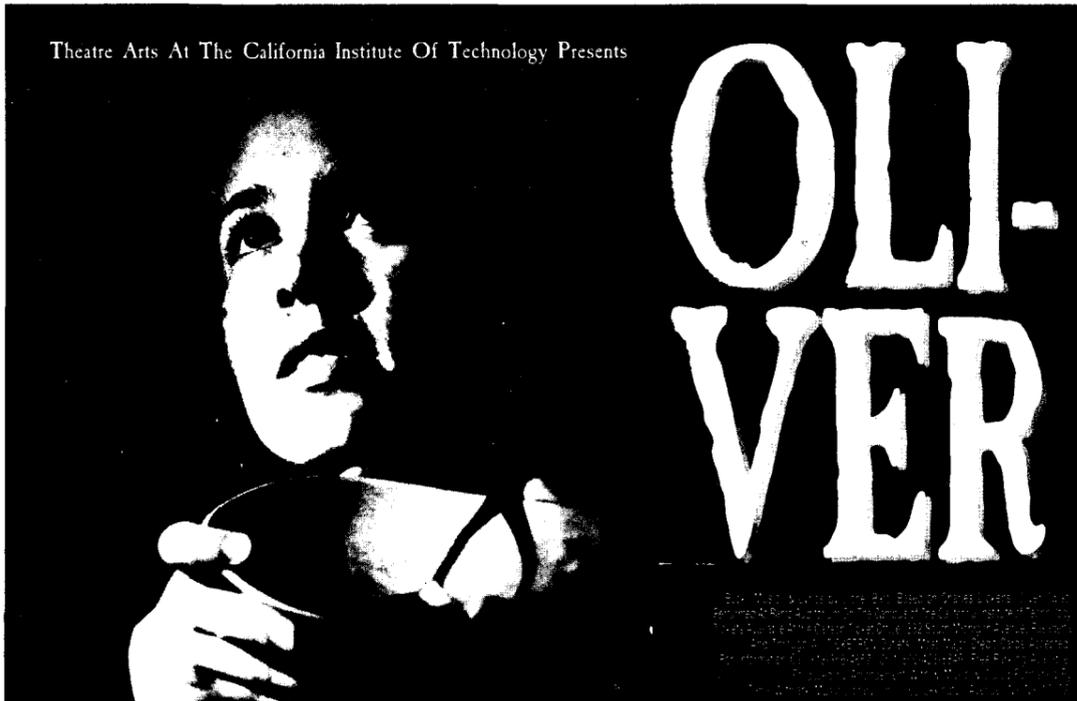
7. Can they get a computer from the CCO?

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Pasadena Weekly: 'Best Unknown Event -
The Caltech Musical *Oliver!*'

Theatre Arts At The California Institute Of Technology Presents



8 pm February 19,20,26,27. 2 pm February 21,28.

what goes on

Announcements for *What Goes On* should be submitted on an announcement form available in the SAC copy/mail room (Room 37) or on a plain piece of paper. Please indicate the date(s) you want the announcement to run. Send announcements to 25-58, or put them under the door of Room 40A of the SAC. Announcements must be received by the Tuesday prior to publication.

SURF's Up!!

Applications for SURF-'88 (Summer Undergraduate Research Fellowships) are currently available in Room 3, Dabney Hall. We have a notebook with a few projects for '88 listed for undergrads to review.

Application deadline is 5 PM Monday, March 7.

Surf Club's Up!

The Surf Club is proud to announce a more than ample collection of surfboards and wetsuits to keep you stoked. If you want to check them out for a day or longer, contact Bill Foster, 795-4049 (nights) or Chris Edgington, 577-9694.

New Physics Course

Physics 103b(Third Term): Topics in Contemporary Physics. A course on the techniques of experimental particle physics. Detectors that will be discussed include devices used in the measurement of position and momentum (multi-wire proportional chambers, drift chambers, time projection chambers and solid state detectors), of energy (electromagnetic and hadronic shower counters: gas, cryogenic liquid, etc.) and particle identification (time of flight, ionization loss, Cerenkov counters). Amalgamation of these elements into viable experiments will be treated. Knowledge of high energy physics, though useful, is not required. Instructor: Wisniewski

R.A. Positions Available In Fall

Attention all faculty, members of the professional staff and graduate students:

The Master's Office is soliciting applications for Resident Associates in the undergraduate student houses to fill vacancies expected with the graduation of current R.A.'s for the fall of '88.

We would like to urge all interested faculty members, members of the professional staff and graduate students to apply for this position. Applications are available in the Master's Office (in Lloyd House on the Olive Walk) — DEADLINE: March 1st.

Chess Club

Don't be misled by the *little r*; we are meeting in Clubroom A, which is in the basement under Fleming House. The time is still Monday at 7:30 pm. Come on by and take out your frustrations on someone else's king. For more information contact Matt at 356-9208.

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RATES \$2.50 for first 25 words; . . . 10¢ for each additional word. Send written ad with payment to 25-58. No charge for on-campus lost & found.

"OLIVER" Takes The Stage

TACIT presents Lionel Bart's rousing musical, *Oliver!*. With a cast of over 70, and more than 120 people involved from all over Caltech and JPL, this show is *not* to be missed! Performances are February 26 and 27 at 8 pm, and February and 28 at 2 pm. Call 356-4652 to get tickets, but order now—they're selling out fast!

The Orphanage

Thanks to all involved in helping the orphanage "El Rancho Milagro" in Mexico!

The third meeting to organize the 5-day trip to Mexico to help this orphanage will be on Saturday, Feb. 27 from 6-7 pm in Clubroom A (Rm. 13, S.A.C.).

The trip will be during spring break, from Friday, March 18 to Wednesday, March 23. All interested, please attend.

Questions? Contact Geoff Pilling, 1-59, 578-9346.

S.E.D.S. Meeting

On Tuesday, March 1st at 7:30 pm, Caltech S.E.D.S. will be meeting in Clubroom B (Rm. 15, S.A.C.). We will be showing a video of either a Mercury or Gemini mission (circa mid-1960's). All members of the Caltech community are welcome. Refreshments will be served.

AIDS Awareness Workshop

On Wednesday, March 2 from 7:30 to 9:30 pm, Dr. Howard Devore, Ph.D. (clinical psychologist and sex education specialist) will give a lecture/workshop on all aspects of AIDS and other sexually transmitted diseases—causes, signs and symptoms, prevention, etc. The workshop will be in Clubroom A (Rm. 13, S.A.C.). All students are welcome and encouraged to attend. For any questions, call Bruce Kahl, x6393.

Protecting Your Invention

Are you interested in inventing something? Do you want to make money out of your ideas?

If so, then come to room 22 Gates on Wednesday, March 2 at 4:30 pm. The speaker Jeffrey Sheldon, a patent attorney, and the senior partner of a patent law firm. His talk will be entitled "Protecting Your Invention: Different Techniques for Converting Your Ideas Into Hard Cash." He has a BS in ChemE and an MS in Biomedical Engineering. Brought to you by The Y.

Discussing the "F-Word"

This coming Wednesday, March 2 at 12 noon in Winnett Lounge, a panel consisting of Prof. Judy Cohen, Associate Prof. Mary Kennedy, Dean Gary Lorden, current grad student and '82 Caltech B.S. Tricia Stoddard, and staff scientist in chemistry Jean Westphal will tackle the controversial and many-faceted topic, "Feminism—What's in it for Caltech?" The panel discussion is not meant to illuminate what the definition of feminism is, but is designed to educate others about the variety of thoughts/feelings on the topic and to stimulate more discussion. People of all persuasions on the subject are encouraged to bring a lunch and attend.

Wanna Ski?

The Ski Club/Team plans to hold several weekend outings to Mammoth, June, Sierra Summit and Goldmine ski resorts. If you are interested in skiing, either for fun or competitively, contact Christina Garden at 356-9322 or come to a Ski Team meeting (to be announced).

Second Term Film Series

In conjunction with H-131: History Through Film, Professor Robert Rosenstone will be screening a series of excellent feature-length films at 7:30 pm on Wednesday evenings in Baxter Lecture Hall. These screenings are open to members of the Caltech community. There is no admission charge. The film for March 2 will be *Far From Poland* (USA-1985), directed by Jill Godmilow.

Occidental-Caltech Orchestra

On Thursday, March 3 at 8:00 pm in Ramo Auditorium, the combined Occidental-Caltech Orchestra will perform works by Mozart, Mendelssohn and Musorgsky. Admission: free. Call x4652 for information.

Big Band Swing Cabaret

The first annual Big Band Swing Cabaret will be presented at the Pasadena Convention Center, 300 E. Green St., on Saturday, Feb. 27 from 7 pm to 2 am and on Sunday, Feb. 28 from 3 to 10 pm.

The old fashioned cabaret will feature three bands each day where people can "set and watch or cut a rug" according to Harry Washington, spokesman for the bash.

General admission is \$35 each day, reserved seats \$50 each day. Both tickets include a buffet and there will be a no-host bar.

For information, call the Pasadena Center at (818) 793-2122.

Preservation Hall Jazz Band

Tonight at 8:00 pm in Beckman Auditorium, *the* New Orleans jazz band will be in concert, performing music the way it was on riverboats and in street parades. Admission: \$22.50-20.00-17.50. CIT faculty and staff TECHTIX (half-price), and CIT student rush tickets (\$6.00 each) go on sale today from noon to 4:30 pm in the Caltech Ticket Office. Call x4652 for information.

L.A. Philharmonic Tickets

The Caltech Y has tickets for the following dates: 18 March (Haydn, Shostakovich); 15 April (Lutoslawski, Mozart, Brahms). For more information, like how to make use of these tickets, contact the Y Office, upstairs in Winnett.

Leap Year Singles Dance

There will be a Leap Year celebration singles dance at the Neighborhood Church, 301 N. Orange Grove Blvd. on Friday, Feb. 26 from 8:30 pm to 12:30 am. Admission: \$10. Music by "Dance Tyme". Meet new people, dance and consume refreshments.

Doing The Vitamin Hustle

According to Dr. Stephen Barrett, Americans are squandering nearly \$3 billion dollars a year on extra vitamins that are either useless or actually damaging to their health. Most people who take vitamins don't need them. Could you be one of these people? Are you afraid there is not enough nourishment in the food that you buy?

Dr. Barrett will be speaking in Baxter Lecture Hall on Saturday, February 27th at 2:00 pm. Free and open to the public, but seating is limited, so come early.

Dr. Barrett will be available after the lecture for an informal discussion at 4:00 pm in Clubroom 1 of Winnett Student Center. Refreshments will be served. This discussion is open only to Caltech students, faculty and staff.

Sponsored by the Southern California Skeptics and the Caltech Y.

Little Brass Knobs, Etc.

Annette Smith, Professor of French at Caltech, will give the sixth lecture in the OWC-sponsored series, "Presenting Caltech's Women Faculty" on Wednesday, March 9 at 12 noon in the Judy Library in Baxter. The titillating title of her talk is "The Little Brass Knob Beneath the Mantlepiece: Some Recent & Shocking Trends in Feminist Literary Theory." Please bring a lunch and stop by!

Folk Music In Winnett

The Caltech Folk Music Society proudly presents Andrew Calhoun and David MacKenzie in concert in Winnett Center on Saturday, March 5 at 8:00 pm.

Tickets are \$6.00 in advance, \$7.00 at the door, \$4.00 for Caltech students.

IRS Tax Assistance

The Internal Revenue Service has established special extended taxpayer assistance hours through April 15, 1988, the due date for filing Federal individual income tax returns.

Individuals who have questions regarding changes made by the new tax laws or who need help in preparing their tax returns can call the IRS toll-free at 1-(800)-424-1040. Assistance is available Monday through Friday, 7:30 am to 8:00 pm, and Saturdays 9:00 am to 3:00 pm.

\$\$\$For Women Engineers

The Los Angeles and San Buenaventura sections of the Society of Women Engineers are holding their annual scholarship program. Several \$1000 scholarships will be given to deserving women students of sophomore standing or higher that are enrolled in good standing in an engineering curriculum leading to a Bachelor's or higher degree in engineering. She must be in a position to accept the scholarship toward undergraduate or graduate engineering studies in an accredited school in the September following presentation of the award. Deadline for applications is March 14, 1988. For further information please contact the Financial Aid Office, 515 S. Wilson.

Big Money!

The General Motors Corporation is offering one scholarship to a sophomore in Electrical Engineering. The GM Scholarship includes full tuition, a book allowance and a paid summer internship. The award is renewable for the senior year. Financial need is *not* a consideration in the selection process.

Applications and additional information are available in the Financial Aid Office, 515 S. Wilson Ave. Deadline is March 21, 1988. Apply now.

Political Internship

The Beckman Internship will be available for the summer of 1988. The internship, supported by friends of Dr. Arnold O. Beckman, will pay a stipend of \$2,500. It allows a selected Intern to spend the summer working in the office of a politician and to see from the inside the process of government. The Intern is expected to make arrangements with the appropriate political persons. It is open to any Techer who intends to be a Caltech undergraduate next year. If interested, submit a brief proposal describing where and how you would use the stipend, to the Deans' Office, 102 Parsons-Gates, by Monday, April 11th.

GTE/NSF Program

We've received information on an excellent program which is being sponsored by GTE Labs in Waltham, Massachusetts, and the NSF. The Industrial Undergraduate Research Participation Program is for undergraduates (between junior and senior years) in engineering, math or the physical sciences. The program is 10 weeks long. A partial list of available projects is available in the Career Development Center, Rm. 08, Parsons-Gates. Application deadline: March 16.

Money For Economists

The National Society of the Colonial Dames of America is offering an award of \$1,000 to graduate students and undergraduate seniors majoring in economics. The deadline for entries is **March 14, 1988**. For further information please contact the Financial Aid Office, 515 S. Wilson.

Marinaid?

Marin Educational Foundation is offering grants to Marin County residents who will be pursuing an undergraduate degree on at least a half-time basis as of September, 1988. The deadline to apply is **April 1, 1988**. For further information please contact the Financial Aid Office, 515 S. Wilson.

ASME Loans

The American Society of Mechanical Engineers (ASME) is offering aid in the form of a loan to U.S. citizens that are ASME student members in good academic standing. The deadline for applications is April 1, 1988. For further information please contact the Financial Aid Office, 515 S. Wilson.

Macintosh Programming Jobs!!

This summer, Apple Computer will be providing several internships for Caltech students to work on science simulation software for elementary school students. Student interns will receive \$2000/month plus benefits, while working on campus as part of Project SEED, a Caltech/Pasadena Unified School District program for innovative science education. Call Susan at x6820 for more information.

The Morgan Ward Competition

Any Caltech freshman or sophomore may enter this contest. An entry may be individual (submitted by one student) or joint (submitted by a group of two or more students). Each student is entitled to at most three entries, of which at most two may be individual.

An entry is to consist of a mathematical problem, together with a solution or significant contribution toward a solution. The problem may have any source, but this source should be stated in the entry. The entries will be judged on the basis of the nature of the problem and the originality and elegance of the solution. Any outside references used should be indicated.

Entries from each contestant or group must be placed in an envelope and delivered to the Mathematics Office, 253 Sloan, during the fourth week of third term. The names of the contestant, or the names of all participants in the case of a joint entry, must be written on the envelope only, not on the entry. The Judging Committee will consist of three volunteers, approved by a vote of the Caltech Mathematics Club. Each judge must be a junior or senior and a member of the Mathematics Club. The judges will select a group of finalists and submit their entries to the Mathematics Department faculty who will make awards to the winners. Prizes will ordinarily be awarded for the 2 or 4 best entries, the value of each prize being \$75. Prizes for individual entries will be limited to at most one to a contestant, and no group may receive more than one prize.

Fly To Mars, Vicariously

The Division of Geological and Planetary Sciences is building a camera that will fly on the Mars Observer mission in 1992. Right now, we have a lot of work to do. We are looking for part time student help for various types of tasks—wire wrapping, software, radiation test data analysis, and other stuff. The hours can be flexible, but most of the work needs to be done at our off campus site (a couple of miles west of campus). If you have any interest, please call Mike Ravine or Tom Soulanille at the Mars Observer Camera Project office, 796-4266.



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