

## Eric Stout New ASCIT President Hafer and Johnson in Runoff for BOC Chairman

by Scott Kister

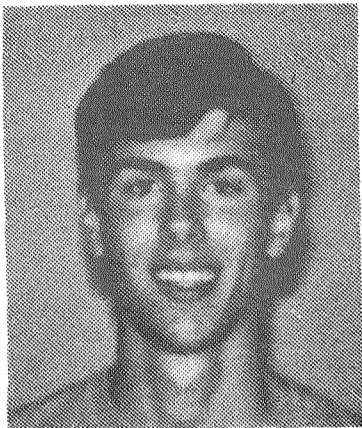
Eric Stout was elected ASCIT President in an election, marked by unusually high voter turnout. Cathy Hafer and Karin Johnson will vie for the position of ASCIT Vice President/BOC Chairman in a runoff election today. Mark Lyttle and Scott Kister were elected *Tech* Editors.

"I think you could say I was ecstatic," remarked Stout about the results. Stout was encouraged by the turnout for the election. Although the numbers for the election are not released until all the ASCIT offices are filled, from the signup sheets in the houses, it was evident that over fifty percent of the student body voted, compared with forty percent last year.

While the large voter turnout may have been caused by a large Angus contingent, it may also be attributed to an actual interest in student politics.

When asked if he expected to win without a runoff, Stout replied "I was hoping that there wouldn't be a runoff, but it certainly didn't seem like a sure thing before the election, so I was happy that there wasn't one."

Stout's goals for the upcoming



Eric Stout

year include promoting more campus-wide events which will hopefully encourage more undergraduate unity instead of house unity.

He summed up another of his goals succinctly, "I think it would be nice to have a year when all of the publications actually meet their budgets."

### BOC Chariman

Although there were only two candidates for BOC Chairman, a strong write-in contingent forced a runoff. Apparently, the largest write-in vote-getter was Mike Nasir, showing the satisfaction voters

had with his reign as BOC Chairman.

There will be no write-in votes allowed this Friday. The renegade Page boys and the Jason MacLeod fan club will have to choose between Cathy Hafer and Karin Johnson.

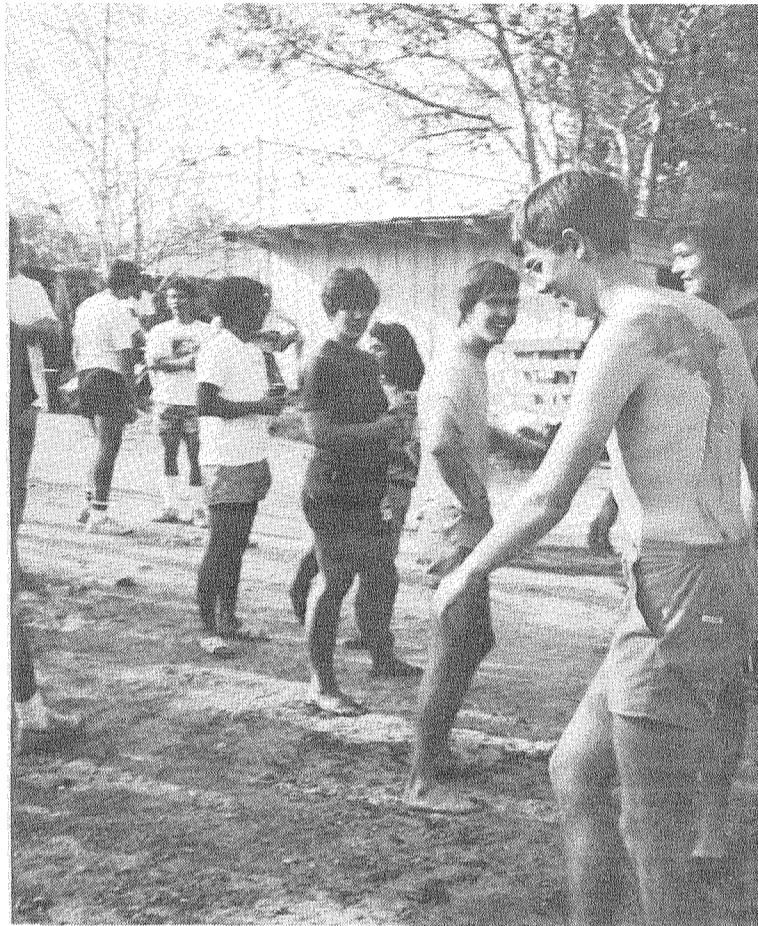
### Tech Editor

Scott Kister and Mark Lyttle, running because they hate it when people run unopposed, confused many a frosh and upperclassmen when they came out of nowhere to upset the strong campaign of Brian Kurkoski and Jason T. Lee.

"You wouldn't believe how many people asked me if I was graduating this year," said the weary Lyttle.

"People asked me if I was going to come back next year. I said no, and they walked away, looking confused," remarked Kister.

The runoff for BOC Chairman is today. Signups for the other ASCIT offices, including IHC Secretary, Activities Chairman, and Athletic Manager went up on Wednesday and will come down next Tuesday. Statements will be in next week's *Tech*, and the election will be the following Monday, February 11.



New ASCIT President Eric Stout shows off his awesome bod for his adoring public.



### Study Time

Unidentified Darb loses himself in his studies in Millikan Library.

## Water Forms 1991 Dedication

by Jason Lee

The new *Water Forms 1991* fountain was dedicated Friday, January 25, at Millikan Pond with a few hundred people in attendance.

Designed by sculptor George Baker, the fountain is 24 feet long and 3 feet high, built of stainless steel and containing six moving parts.

"This sculpture, though primarily a creation of the artist's aesthetic sense, is intended to reflect and celebrate the technological role of Caltech and its strengths and contributions in its centennial year. The sculpture was designed to achieve a fluid motion as simply and effortlessly as possible," said Baker.

Caltech's centennial music and art subcommittee commissioned the sculpture in celebration of its Centennial this year. Chaired by Edith Roberts, an Altadena resident, the subcommittee raised funds for the sculpture by receiving donations from the Caltech community, including trustees, faculty, and associates.

The fountain itself stands in Millikan Pond, and has two base sections. There are large, curved plates that gently rock due to the wind or pumped water. Two elongated forms with vertical axes are mounted on each of the base plates that tilt back and forth and spin slowly.

According to Caltech, no significant change in the water supplied to Millikan Pond will be required—the current recirculation system will still be used.

The sculpture will also change colors as the steel reflects the changing sunlight during various times of day. "The aesthetic concern of my art is to create active, living works which cause an emotional interplay to take place between observer, sculpture, and environment," said Baker.

Baker has been a professor of sculpture for 26 years at Occidental, and his works are displayed privately and publicly around the country and worldwide.



## CRIME AND INCIDENT BEAT

1/31 The Crime and Incident Beat was stolen.

Total value stolen, missing, or damaged: priceless.

### INSIDE

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## letters

## Gulf War Forum Uninformative

To the Editors:

Unlike the 1965 teach-ins about the Vietnam War, last Friday's discussion of the U.S.-Iraq War in Ramo Auditorium conveyed little information—only sound-bite length opinions. Instead of a serious effort to understand why Saddam Hussein invaded Kuwait, why George Bush abandoned the most effective embargo in modern history and launched the most massive daily bombardment in world history, and why American public opinion has shifted from a nearly even split to overwhelming support of Bush's war, we got thirty second effusions about vengeful Arabs. Instead of detailed scientific analyses of the ecological consequences in Oil Country, or economic evaluations of the effect of the war on inflation, recession, the deficit, interest rates, and government domestic spending, or historical considerations of the military and

political course of such parallel events as the Vietnam War, we listened to people declaring their positions for or against.

The participants were often eloquent, and their opinions were no doubt heartfelt. It was probably cathartic to attend—a little less passive than watching fireworks displays on CNN. And Caltech had to keep up with UCLA and Montana State to retain respectability. But apart from Jim Hershberg's fifteen minute diplomatic history summary and Alan Donagan's valiant effort to summarize 500 years of theorizing about "just wars" in ten minutes, the format gave no one a chance to say anything very serious. Few undergrads came, because they had classes and labs to see to, and the Institute refused to declare a classless day. With only a couple of days to set it up, the organizers obviously opted for ethnic, disciplinary, status and

viewpoint balance, instead of scholarly depth: an Israeli and an Arab, a couple of biologists and an engineer, two historians and a physicist, three undergraduates and several grad students, so many for and so many against.

The first duty of universities, especially great universities such as Caltech, is to teach, to inform. This forum failed. It was thrown together too quickly and involved too few people who were really expert on the complex subjects at issue. (Probably there are few at Caltech, but they can be imported.) It served as a town meeting, a tally of voices, not an intellectual interchange.

What was the hurry? Iraqis and Americans will still be dying next month, perhaps next year. Caltech should set up another teach-in, but this time do it right.

—J. Morgan Kousser  
Professor of History and Social Sciences

## Improving Schools: Who Should Choose?

by Golda Bernstein

Can B.C. food compete with restaurant fare, even Burger Continental's? Does grass grow where the sun doesn't shine? Any more stupid questions?

If you've thought for a few minutes about why this is the case, you may have come up with the notion of a captive audience. Since we all have to eat Gary's food, why should he bother to make it especially attractive? No reason... it's not that the food service people are evil and like to torture us with greasy unidentifiable dishes, it's just a matter of economics.

The Captive Audience phenomenon creeps into more places than the food service. Required classes, especially those that aim to decrease enrollment, do not always make an effort to provide for students' needs... but at least we chose to be here. Students in

public schools didn't choose; they are really a Captive Audience.

If you went to public school in America, you know that you don't get a choice of schools. Wherever you live, that's where you go to school (unless you are being bused, but you still don't get a choice). Only those who can afford to pay may choose the best out of many schools, private and public. So why should schools teach well?

Most teachers want to teach well, to do a good job and help their students, just because of personal integrity. But, low pay, low status, and overwork do not help attract good teachers to the public schools. This is especially true in math and science, where a competent individual can make much more money somewhere else than teaching high school. School policy and administration also affects teaching quality — and lots of schools have inflexible rules that

keep administrators out of trouble but don't help students or teachers.

The administrators and district officials running the schools have no intrinsic incentive to actually make them better for students. All they have to do is sound good in front of their boss or the voters. What we have is a central planning system: Ask any Russian whether this is a good idea. Capitalism might work better, if there were a system that forced schools to compete for students, while allowing all students to have the ability to choose where to go. At least this is what I think.

Not everyone agrees. Instituting choice might just produce chaos, at least at first. Another worry is that bad schools would get worse from lack of funds as enrollment went down, so that the kids still going to them would really get screwed. There are probably other concerns too: the United Teachers

## Jazz Band Plays Simpsons

This Saturday night, February 2, will be the first Centennial concert given by the Caltech Jazz Bands. There will be music performed by the Caltech Monday and Thursday Jazz Bands. The Caltech Brass Quintet and the newly formed dixie group, the *Centennial Stompers* will also perform.

There will be two guest artists performing with the bands. Angie Whitney, will be the guest vocalist and Connie Josias will play a solo for clarinet and jazz band, originally written for Benny Goodman.

Angie has toured all over the world with such groups as *The Spinners* and has appeared on *The*

*Midnight Special* television show.

There will be music by Duke Ellington and Danny Elfman. What, you never heard of Danny Elfman! But I think you have probably heard some of his music. He wrote the music for *The Simpsons* television show and also the music for the movie *Batman*. The Thursday Jazz Band will be playing a special arrangement of the theme from the television show *The Simpsons*.

The concert is this Saturday, at 8:00 p.m., in Ramo Auditorium, and is FREE. There will be a reception following the concert.

## Attention Seniors

If you have any photos of campus events or scenery from the past year that you would like to see in next year's yearbook, BigT, please submit them in an envelope, address to BigT Editors, 27-58. Please also write your name and a description if applicable. The photo

tos will be returned upon request.

**Seniors! Deadline for submitting senior pictures is March 8, Friday.** Group photos are fine. Please submit your name and major(s) along with the photo to BigT Editors, 27-58.

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With a lot of wishful thinking and a little help from the supernatural, Wyatt and Gary accidentally brought Lisa, their ultimate fantasy, to life.



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The Inside World

This Week's **Inside World** was written by:  
**Ruddock: Chris Martin**

Blacker	12 0 0 0 0 0
Dabney	11 0 0 0 0 0
Fleming	13 0 0 0 0 0
Lloyd	26 1 1 1 0 3
Page	21 0 0 0 0 0
Ruddock	25 2 2 2 1 7
Ricketts	15 3 0 3 0 6

**Ruddock**

Ruddock House. What a sorry bunch of sucks you are. I work my ass off for this house for two years, and what do I get? The Shaft! Well, at least this means I won't have to do nice stuff for you anymore.

Yeah, house elections were pretty pathetic, but also amusing. People who should have been at house elections: Berta; and the twenty other frosh that didn't show up. People who shouldn't have been at house elections: Kelly. Yea, Keith can be pretty harsh. He was slamming on me all night. Not that the rest of you weren't, but I've got a House Office for you Keith. I would have given it to you Friday, but I was having trouble figuring out which end of the pen to use. I won't even print it here, cause of that "libelous" bullshit at the top of the page.

We had a pretty decent Super Bowl Sunday, thanks to yours truly. And thanks to the Giants. Was there ever any doubt? Da Giants! The Buffalo Bills kicker tried to commit suicide after the game with a pistol, but he missed wide to the right.

We also had Sex and Violence night, but that didn't go over nearly as well. We saw Night of the Living Dancing Nekkid Dead. As Joe Bob Briggs, drive-in movie critic of Grapevine, Texas says, the one thing a movie is not allowed to be is boring. But this was. Ya know, I coulda sworn we had more more than three people watching when we started. I don't think even beer, the great equalizer for movies, coulda helped this one.

I was getting equalized myself over at Keith's place on Friday night while I was waiting for John to show up. It took longer than I thought for him to outwit the entire Freshman, Sophomore, and Senior classes. And when he finally did show up I was pretty pissed that he had been to Tommy's and not brought me anything. Ya know, Michelin is having about as much luck with cars as Mike Mossey does with cats.

That same night, Jo, Ahmed and Tarun took off to Vegas. They hung out all night drinking and wolfing down free breakfast bar food. But on the way out of town Jo ran up on a curb and got a flat cause she was trying to take a picture out the sunroof. Seeing as how they had spent all their money in the slots, they needed a way to buy a new tire. So Tarun put on one of those feathered hats and started to pimp. Now in my opinion, Jo looks pretty good in those little skirts, and in any case a lot better than Ahmed. But you'd be surprised how many sick people in Vegas want to take home a skinny Egyptian boy for a half hour of fun. So while Jo was hanging out at the bar, Ahmed was out earning money the hard way. But by dawn he had enough for the tire and a comfy seat cushion from Pep Boys.

Well, Celia's new UCC of Alley four. Some suggestions for Alley challenges: Baby the Bird gourmet cook off, lovey-dovey boyfriend/girlfriend quaintness for volume of vomit (Dave and Betsy might give them some competition here), or wrinkled-up nose UCC whine-off. Just don't let Alley 6 challenge them or we'll have some late-night challenges that the rest of the Alley can't participate in. If ya know what I mean. And I think you do.

As the sun slides down behind the horizon, and Ruddock House slowly slides towards Lloyd, I think I'll slide into a bottle of MGD. Adios Amigos.

**Jim's Journal**

by **Jim**

**1-22** I was talking with Ruth on the phone today. She had another call come in and I held on while she found out who it was. She clicked back to me and said, "I'm back." (She said the other call was someone for her roommate, who wasn't home.)

**1-23** I walked into my apartment today and Mr. Peterson came running towards me. I held out my hands and said, "Hi, Mr. Peterson, come here." She ran right under me and into the hall. I tried to coax her back inside, but she liked being out in the hall a lot better.

**1-24** Today I was sitting around with Steve. He asked me how I liked my job at the copy store. I told him it wasn't that bad.

**1-25** Today I was walking outside for a while. It was snowing. I saw some people playing and throwing snowballs at each other. (I was on the other side of the street, so I didn't get hit with any snowballs.)

**Coffee** **Art**

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# Red Door at Night

by Pete Rogan

Your friends down at the Red Door Cafe have noticed a lack of cool places to be after dark. With lots of cafe closures, seven buck movies, and a town that shuts down at nine, what can you do? Relax, dude. We're excited to announce that the Red Door plans to fill that gap, both for you and for other area college kids.

Tuesday night sees the steady hand of Cass Nakasone manning the espresso machine from 9:00 to 11:00pm. Wednesday, Jim Radford brings his offbeat and witty manner to the counter during those same hours. The tag-team duo of

Alex Densmore and Pete Rogan bring it on home Thursdays and Fridays from 9:00 to midnight with a laid-back atmosphere and a cool mix of blues and alternative rock. We'll offer our full range of coffee drinks, teas, juices, and baked goods. Look for bonus specials and half-price deals, too. We're putting together a calendar of music and entertainment for Friday nights; if you're interested in displaying your artistic talents, either onstage or on the walls, please contact Alex or Pete at x6180. As always, the Red Door will be open weekday afternoons from 2:30 to 5:30. Check us out...

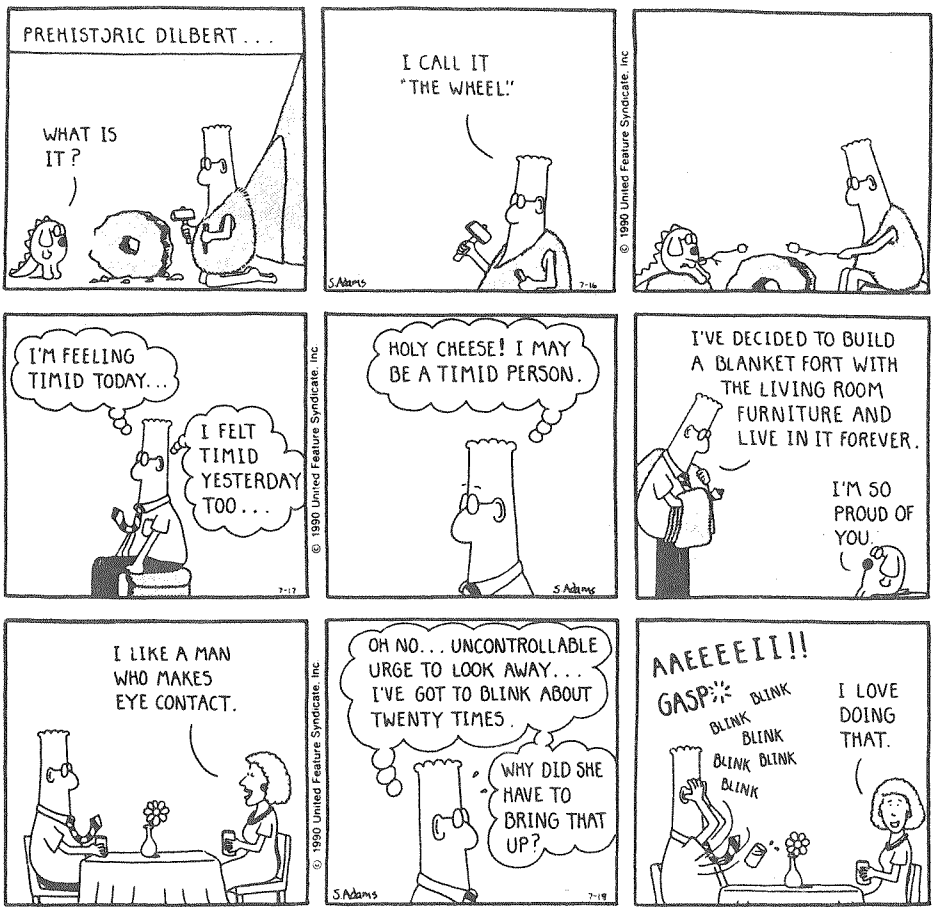
# Y Caltech Y News?

OK, so here it is—the latest update in the Y News with your anchorman-Fru. This week we see a rise in the availability of cheap, good tickets. Starting with Les Miserables on Tuesday, February 26th at 8:00 p.m. Tickets are going for \$42.75 for orchestra seats, and \$16.00 for balcony seats. Ticket sales will start Monday morning, Feb 4th at 9:00 a.m. Tickets for the Festival of Animation are in for the

low, low price of \$5.50. Tickets are available for the midnight show on Saturday, Feb 2nd and the 9:30 p.m. show of Feb 9th. All tickets available at the Y.

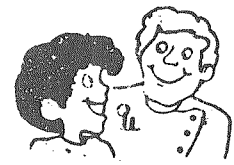
And in other news- Ballroom Dancing is the newest fad. If you want to join please show up at Winnett Lounge, Thursday, 7:00 p.m. to 8:30 p.m. That's the news and I'm not a senior so I'm NOT outta here.

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Classes are Mon and Wed from 7:10 to 8:40 in the PolyTech gym across from the CalTech gym.

For more info, call Chris Pasqualino at 354-6517 or 957-4301

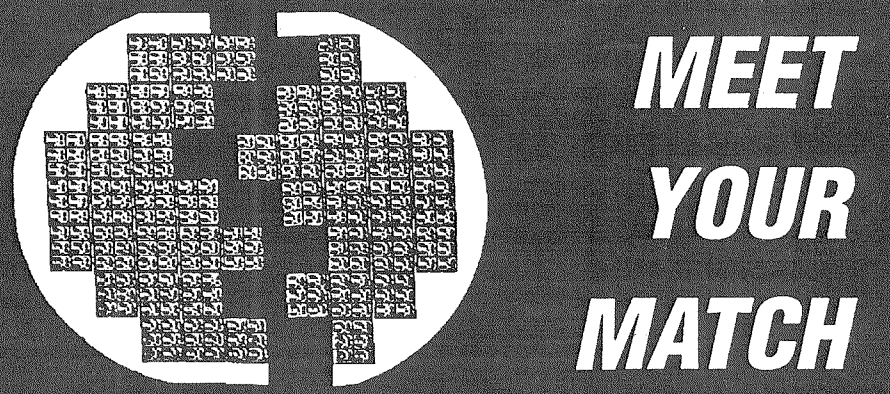
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Submit announcements for *What Goes On* on forms available outside the Tech office (SAC room 40A) and in the copy/mail room (SAC room 37), or use a plain piece of paper. Send announcements to 40-58, or put them in the IN box outside the Tech office.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

**Peace Rally Ride Sharing**

The Caltech Coalition Against the Gulf War is organizing carpools to this Saturday's rally at the Westwood Federal building. Persons interested in finding or providing rides should meet on the west lawn of the Beckman Institute at 10:00 am on Saturday. The rally begins at 11:00. For more information contact Alex Ridgway at x6595 or Pete Rogan at 579-9294.

**Les Miserables Tickets**

The Caltech Y has tickets for this GREAT show on Tuesday, February 26, 8:00 pm. The prices are \$42.75 for orchestra seats and \$16 for balcony seats (limit two per person). Tickets go on sale Monday, February 4, 9:00 am.

**Festival of Animation**

The Y has tickets for two shows, Saturday, February 2 at midnight and Saturday, February 9, 9:30 pm, for \$5.50 (reg. \$6.50). The midnight show will include "extra twisted films". The earlier show on Feb. 9 is scheduled to include a short talk by one of the animators. [The show is great, by the way—it consists of several animated pieces, ranging from a 1933 Betty Boop film to contemporary bits of computer animation, and includes pilots for new series coming up on MTV and Nickelodeon.] Shows are at the State Theater, 770 E. Colorado Blvd., here in Pasadena. Get your tickets today!

**L.A. Clippers Tickets**

Mr. Robinson and the San Antonio Spurs will take on the Clippers on Friday, February 22, 7:30 pm at the Los Angeles Sports Arena. Tickets are \$11.50 (reg. \$14) at the Y.

**Gay/Lesbian/Bi Discussions**

A Gay, Lesbian and Bisexual discussion group meets the 1st and 3rd Tuesdays of each month from 7:30 to 9:30 pm in the Health Center. This confidential meeting is open to *all* members of the Caltech community. The first hour is devoted to discussion of a specific topic, and the remaining hour is open for general conversation and socializing. Refreshments are served. For information, please call 356-8331. At the Feb. 5 meeting, the subject will be: suggestions for topics and events for the year.

**Big Music Weekend**

Caltech students will present two free concerts this weekend with music sure to please every taste. Tonight, Caltech's Chamber Music Ensembles will perform at 8:00 in Dabney Lounge. The program includes music by Bach, Handel, Praetorius, Beethoven, Schumann and Mendelssohn's *Octet*.

Tomorrow the Caltech Jazz Bands will present "100 Years of Jazz" at 8:00 pm in Ramo Auditorium. Guest artists Angie Whitney, vocalist, and Connie Josias, clarinetist, will join the bands in a program tracing the history of jazz all the way from Ragtime to "The Simpsons".

**Folk Music Concert**

The Caltech Folk Music Society presents Martin and Jessica Simpson in concert in Winnett Lounge on Saturday, February 2 at 8:00 pm. Martin Simpson is an outstanding guitarist, playing a variety of traditional music from Ireland and England as well as American blues. Jessica Simpson is best known as a ballad singer, and is a real treat to hear. Tickets are \$8.00 general admission, \$4 for Caltech students. Call the Caltech Ticket Office for reservations, (818) 356-4652.

**Online Schedule of Classes**

The Caltech schedule of classes, as published by the Registrar's office, has been added to the online INFO system, accessible via CITnet. A write-up on using the INFO system is available from the CCO Consulting Office, 162 Jorgensen.

**SWE Engineering Competition**

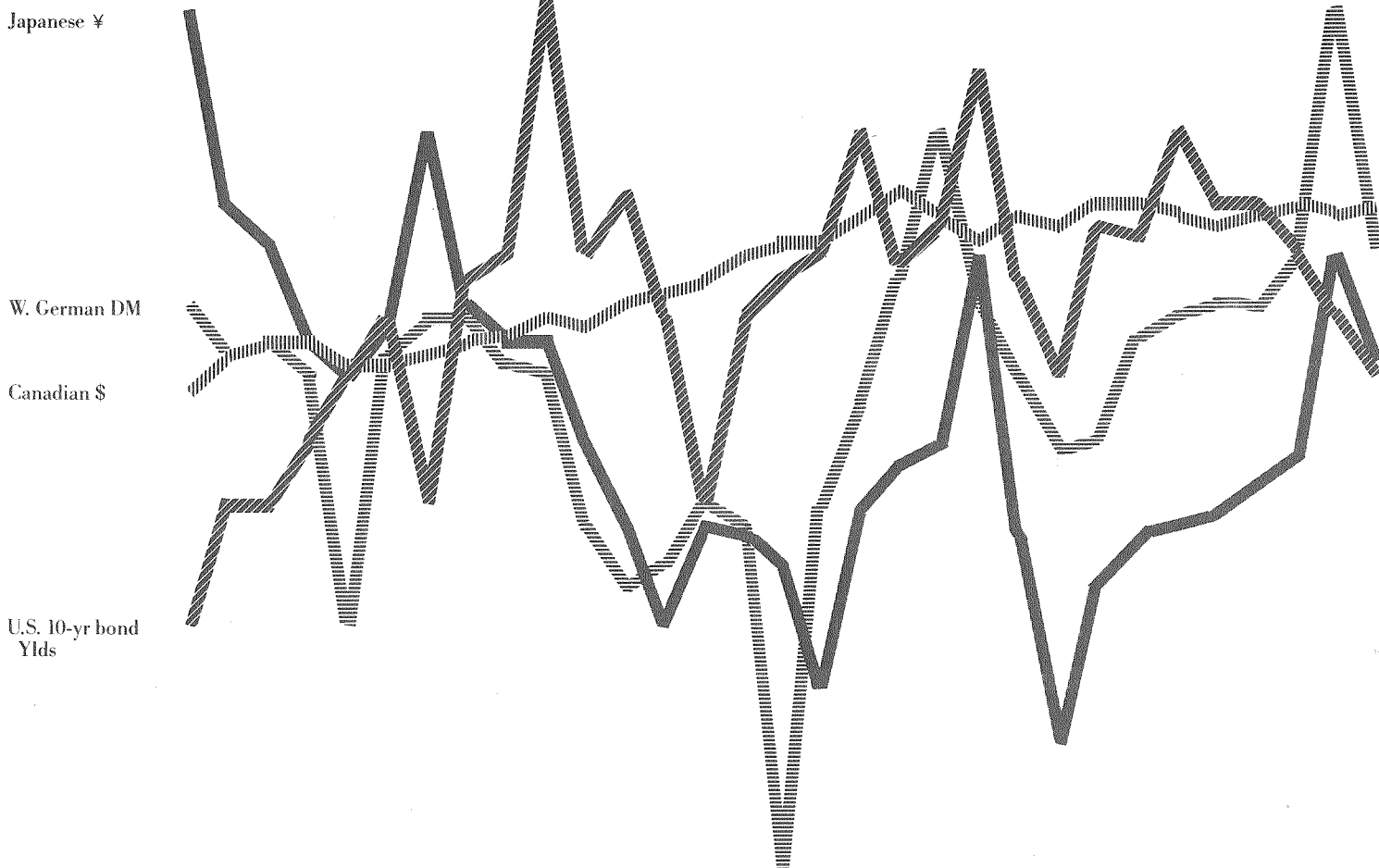
SWE Technical Presentation Competition (paper related to engineering). Must be undergrad SWE student member. Winners get free transportation to SWE national student conference. Applications due by March 1, 1991. Interested? Contact Celia Ng, 1-55, 578-9923.

**SEDS Activities**

Caltech SEDS is holding a general meeting on Monday, February 4 at 7:30 pm in SAC Rm. 25. Following the meeting, Dr. Emerson Lalombard, Director of the Solar Sail Project for the World Space Foundation, will give a talk, "Solar Sail—Race to the Moon."

Anyone interested in designing or building experiments to be flown on the Space Shuttle should attend a special meeting on Feb. 11 at 7:30 pm in SAC Rm. 25. An experiment will be selected at this meeting. Please call Rich Solomon at 356-4870 for details.

On Feb. 2, SEDS is going to see the IMAX film, *The Blue Planet*. On Feb. 22, SEDS will tour the space shuttle *Endeavour*, as it is under construction by Rockwell. A dinner with industry, cosponsored by SWE and ASME, will take place on Feb. 26. Other tours and programs are being planned. For more information, come to the general meeting or call Philip Rosenthal at 577-4664.



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**The Hidden S.P.E.C.T.R.E.**

The Caltech Science Fiction Club will meet at 7:30 pm on Tuesday, February 5, 1991 in Rm. 35 of the SAC. We will have a brief meeting and then will watch *The Hidden*, starring Kyle "Special Agent Dale Cooper" MacLachlan. Questions: email spectre@tybalt or call Eric (564-8949) or Dave (440-0459). Be seeing you...

**German Film Series**

The fourth film in *The Third Reich and Its Legacy Film Series* will be *The Tin Drum* (Germany, 1979 - Volker Schlöndorff). This Academy-award winning film (best foreign film of the year) tells the story of a boy from Danzig who refuses to grow up because of the horrors of adult life from the inter-war period through the end of World War II. The film thus provides a unique child-like view of the rise and decline of Nazism.

Monday, February 4, 1991, 7:30 pm, Baxter Lecture Hall, open to the Caltech community.

**The Shaping Of History**

On Thursday, February 7 at 4 pm in the Judy Library in Baxter, Professor Jared Diamond of the Department of Physiology, UCLA School of Medicine, will speak on the topic of "How the Environment Has Shaped Human History." This talk is part of the Science, Ethics and Public Policy series.

**Let The Games Begin**

Every Friday night, the Caltech Gamers meet to enjoy role-playing and board games. Friday meetings are in Winnett Clubroom 1 or in Rm. 33 of the SAC at 8:00 pm. Meet others who share your interests. All welcome! Most common Friday games are fantasy role-playing, but it's a good time to find players to share whatever games you like.

**Folk Dancing On Campus**

The Caltech Folk Dancers invite you to come and join us for folk dancing on Tuesday nights in Dabney Hall Lounge. Dances are taught from 7:30 pm to 9:00 pm, with dancing from 9:00 until 11:30 or midnight.

**SWE Spring Scholarships**

SWE Spring \$1000-4000 scholarships. Open to sophomore, junior and senior women in engineering, with a minimum 3.5 GPA. Applications due February 1, 1991. Interested? Call Celia Ng, 1-55, 578-9923.

**Be In The Top Ten**

Caltech juniors are invited to participate in *Glamour* magazine's 1991 Top Ten College Women Competition.

*Glamour's* prestigious competition honors college juniors of outstanding achievement. This year's winners will be selected from five distinctive categories: Creative arts/Communication/Humanities, Science and Technology/Health, Politics/International Relations/Business and Economics/Entrepreneurship, Public Service. [A special award should be offered for turning that punctuation into five categories.] Candidates will be judged on academic excellence, involvement in community or campus activities, and personal interests.

Ten winners will receive national recognition in *Glamour's* October 1991 issue and a cash prize, plus an all-expenses paid trip to New York City to meet with top professionals in their field.

Contact the Dean of Students Office for information. Deadline is February 15, 1991.

**International Folkdancing**

The International Folkdancers meet in Dabney Hall Lounge every Tuesday evening all year round. Folkdance classes start at 7:30 pm each Tuesday. Open dancing starts at 9:00 pm. On Tuesday, February 26th, Greek dance instructor Joe Graziosi will be teaching, so put that on your calendar now! No experience is necessary. All are invited to attend.

**scholarships**

**Scholarship Listings**

The Financial Aid Office has applications and/or information on the following scholarships. All qualified students are encouraged to apply. Our office is located at 515 S. Wilson, second floor.

**The Society for the Advancement of Material and Process Engineering** has two undergraduate scholarship awards programs. One program is for the engineering student and the other is for the engineering technology student. Applicants must be full-time students and recommended by their department head or advisor. The deadline to apply is February 1, 1991.

**The American Society of Naval Engineers** has available scholarship awards of \$2,000 each for the 1991-92 academic year. Undergraduate awards are limited to a student's final one or two years of undergraduate education. Graduate support for studies leading to a master's degree are limited to one year. Applicants must be U.S. citizens and demonstrate a genuine interest in naval engineering. Deadline for application is February 15, 1991.

**The College Women's Club of Pasadena** is offering scholarships for 1991-92 to full-time undergraduate students. You may apply for a \$2,000 award which may be used for tuition/fees. Full-time graduate students may apply for fellowships of \$3,000. Application forms and instructions are available in the Financial Aid Office. Completed applications, including an academic transcript, current course list, and three recommendations are due in the Financial Aid Office by February 1. One graduate and one undergraduate will be selected from the applicant pool and then submitted to the College Women's Club by their February 15 deadline. (Note revised date)

**The American Electroplaters and Surface Finishing Society (AESF)** has scholarship awards available for undergraduates in at least their junior year in a chemistry, chemical engineering, environmental engineering, metallurgy, or materials science program and graduates enrolled in a program leading to a master's or Ph.D. degree. Award selections will be based on, but not limited to: career interest in surface finishing technologies, scholarship, achievement, motivation, and potential. Awards are not necessarily based on financial need. Applications must be postmarked by April 15, 1991.

**The Marin Educational Foundation** is offering Marin Educational Scholarships for undergraduate study for the 1991-92 academic year. Applicants must be Marin County residents and must be complete a FAF or SAAC. Deadline to apply is March 2, 1991.

If you have any questions, please come by the office or call x6280.

**Attention Aero Students!**

Applications for the AIAA/Industry Scholarship program are now available. These are \$1000 renewable scholarships. Last year odds for getting a scholarship were 1 in 2! Check the AIAA table or call 792-1513.

**Valentine's Folkdance Party**

The International Folkdancers will be presenting our annual Valentine's Folkdance Party on Tuesday, February 12 in Dabney Hall Lounge. Dance instruction will take place starting at 7:30 pm. Famed folk fiddler Miamon Miller and friends will be playing live Balkan dance music starting at 9:00 pm. Everyone is invited. No experience necessary.

**Prefrosh Weekend**

Prefrosh Weekend will be Thursday through Sunday, April 18-21. Look for further details in the *Tech*. If you have any questions, please contact Marcy Whaley, Admissions Office, x6341.

**Tech Physics Club**

The Caltech Physics Club is once again putting on a High School Science Field Day, this time a design competition - fun for us, inspiring for the poor suffering high schoolers who have to build the stuff. We need Techers to visit high schools, encourage their science teams and give them advice.

It's a good way to get off campus and to help the most dedicated high school science students in the area. If you are interested, call Golda x6163; or if you want to hear more about the Caltech Physics Club, call it's new Prez, Mike Nassir x6200.

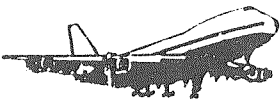
**Ride Board**

Need a ride home after exams? Want to go to San Francisco for the weekend? Feel bad about driving alone? Want to save gas and help others as well? Now you can, with Caltech's new ride board, set up by the Caltech Environmental Task Force and the Caltech Y. Come by the Board, just outside the Y Office on the second floor of Winnett, and use the provided cards to offer a ride or look for a ride

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# Biathlon Saturday

by Chris Campo

The Second Homeboy Biathlon is tomorrow, February 2, in the southwest parking lot of the Rose Bowl at 10 AM. The race is open to all Caltech students, faculty, staff and their friends as well as JPLers.

The event consists of a two mile run on trails followed by a twelve mile cycling portion and finishes with another two mile trail run.

There are five divisions of competition: Pros (Craig Reynolds and his buddies, if they show up), Men (all other male individuals), Women (female individuals), Relays (all runner/biker teams), and Mountain Men (all individuals on mountain bikes).

There will be prizes for the first finishers in each division. Run-bike-run splits will be taken for everyone and sent by mail to all participants. Results of the race will be published in the Tech.

There will be LOTS of FREE

FOOD at the race and spectators are welcome to come munch on it along with the competitors. For those needing transportation, a car will be leaving from the corner of San Pasqual and Holliston at 8:45 and 9:30. While cyclists are encouraged to ride down to the Rose Bowl, they can dump all their gear in the car to be taken there.

Anyone with a car is urged to bring other people with them, if possible. Call Chris Campo at 449-4626 for directions, information, to express intent to race, or to volunteer to help out or drive.

The last Homeboy event was a big success, and everyone went home with a full stomach. We've purchased even MORE MUNCHIES this time around! The race is a fun, low-key event and is a great bargain for a first excursion into the world of multi-sport events (its FREE!) Come and participate or cheer your favorite Caltech athletes on.



Troy Gielish rushes out of the transition at last quarter's Club Homeboy Biathlon.

## WEEKLY SPORTS RESULTS

Day	Date	Sport	Opponent	Results
Sat.	Jan 26	Basketball	Cal Lutheran	54-84
Sat.	Jan 26	Ice Hockey	UC Davis	9-1
Sun.	Jan 27	Ice Hockey	UC Davis	7-2
Tue.	Jan 29	Ice Hockey	UC San Diego	2-2
Wed.	Jan 30	Basketball	Redlands	40-122

## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	Feb 1	2:00 pm	Tennis (W)	Mt. San Jacinto	Mt. San Jacinto
Sat.	Feb 2	11:00 am	Swimming	Occidental	Caltech
Sat.	Feb 2	11:00 am	Tennis (W)	Pt. Loma	Pt. Loma
Sat.	Feb 2	12 noon	Baseball	Pac. Coast Baptist Bible College	P.C.B.B.C.
Sat.	Feb 2	1:00 pm	Tennis (M)	So. California College	Caltech
Sat.	Feb 2	5:30 pm	Basketball (JV)	Claremont-Mudd	Caltech
Sat.	Feb 2	7:30 pm	Basketball (V)	Claremont-Mudd	Caltech
Mon.	Feb 4	1:00 pm	Golf	Pomona-Pitzer	Occidental
Mon.	Feb 4	12 midnight	Ice Hockey	USC#2	Iceland Rink
Tue.	Feb 5	2:30 pm	Baseball	Pomona-Pitzer JV	Caltech
Wed.	Feb 6	5:30 pm	Basketball (JV)	Pomona-Pitzer	Caltech
Wed.	Feb 6	7:30 pm	Basketball (V)	Pomona-Pitzer	Caltech
Sat.	Feb 9	9:00 am	Fencing	UCSD & USC	Cal State Long Beach
Sat.	Feb 9	11:00 am	Swimming	Claremont & Whittier	Caltech
Sat.	Feb 9	12 noon	Fencing	CSULB & Occidental	Cal State Long Beach
Sat.	Feb 9	12 noon	Baseball (2)	Pac. Coast Baptist Bible College	Caltech
Sat.	Feb 9	12 noon	Track	Caltech Invitational I	Caltech
Sat.	Feb 9	1:00 pm	Tennis (M)	Christ College	Christ College
Sat.	Feb 9	2:00 pm	Tennis (W)	Mount Saint Mary's College	Caltech
Sat.	Feb 9	5:30 pm	Basketball (JV)	Occidental	Occidental
Sat.	Feb 9	7:30 pm	Basketball (V)	Occidental	Occidental
Sun.	Feb 10	TBA	Ice Hockey	Cal State Northridge #2	Pickwick Ice

## Hockey Ties UCSD

by Jim Caron

The Beavers have played three out of their five games on the road and have a road record of 2-0-1. Last weekend they played against UC Davis and beat them both times with scores 9-1 and 7-2. On Tuesday, Caltech faced some pretty tough competition but managed to skate away with a 2-2 tie against UCSD.

The Beavers seemed to do everything right against UC Davis. They outpassed, outskated, outplayed, and consequently outscored UC Davis in both games. Looking very strong for the Beavers was defenseman Tom Penn. Penn is a very strong and sturdy player who functions like a brick wall in front of the net letting no one near his goaltender. On Saturday night Penn scored the fourth goal against UC Davis aiding Caltech to an easy victory.

On Tuesday night Caltech faced-off against UCSD which is the only team that has beaten the Beavers so far this season. The home rink for UCSD is the San Diego Sports Arena and the playing conditions were less than favorable for both teams. The temperature in the arena was too high and the result was an ice surface that was very slow and tiring to play on. As a result, neither team played to their potential.

UCSD is a very physical team that likes to play the body and Caltech had to adjust to that style of play. Unfortunately for the Beavers, the competition of the past three weeks had been dismal at best. Caltech found themselves having to shift gears and get used to skating hard and earning their goals.

After the first period of play Caltech made the transition and began to play more like a team. The efforts of goaltender Jason Colley kept the Beavers in the game against the high scoring team from San Diego and held them to only two goals.

Although playing a strong game, Caltech fell victim to penalties. The Beavers had a total of ten penalties called against them coming mostly in the second and third periods. This was the downfall for the Caltech team as they had more talent than UCSD and could probably have scored a few more goals if they did not have to constantly skate short-handed.

The referees in this game did an exceptionally poor job in keeping things under control and calling penalties. If anyone hindered Caltech, it was the officials.

Haj Sano scored first for Caltech assisted by Dale Laird early in the first period. UCSD wasted no time in bouncing back and scored only two minutes later tying the game at 1-1. The next goal came just twenty-eight seconds into the second period by Ron Siefert assisted by Bob Lane. Again UCSD answered right back with another goal to make the score 2-2, and that is how the score remained for the rest of the game.

Caltech has two more games on the road against USC Monday night and CSUN next Sunday before they return home to play CSUN on Wednesday, February 14 at 9:45pm in Pasadena. The Beavers are looking strong and should have no problems winning their next two games on the road.

## Sam Dinkin's Bridge Column

by Sam Dinkin

- ♠ -
- ♥ -
- ♦ T98765432
- ♣ AQT8
- ♠ AKQ
- ♥ AKQJ
- ♦ AK
- ♣ KJ97
- ♠ JT9876
- ♥ T9876
- ♦ QJ
- ♣ -
- ♠ 5432
- ♥ 5432
- ♦ -
- ♣ 65432

South: I do not have to bid because we are playing whist.  
Opening lead: 7♣

Look for some exciting things happening at the Caltech Bridge Club. Saturday, Jan. 18, Caltech hosted the first-ever Caltech-UCLA Pro-Am attracting Los Angeles-area bridge experts to play

with club members. This innovative tournament attracted national attention. UCLA graduate student Mathew Merzbacher won the event and Caltech graduate student Bobby Bodenheimer won the novice division.

One of the professionals playing on the 18th was Danny Kleinman who is the volunteer coach for the Caltech intercollegiate bridge team going to compete in Atlantic City in March.

Another bit of novelty at the Caltech club starts Monday which is the first handicap game for the club. The way handicapping works is that the players with low scores over the past month are spotted up to 4 boards. For example, in a 20-board game, if the players with the lowest handicap scored 69%, the players with the highest handicap will beat them if they score a mere 50%. This method of scor-

ing is a great equalizer.

Today's hand was played in a game of whist. In whist, the predecessor to bridge, all four hands are kept hidden during the play. There is no dummy. Neither is there any bidding. Trump is determined by facing the last card dealt. In this hand, clubs was trump.

The Duke of Cumberland, son of George III, King of England played this hand in the gaming rooms of Bath. In accordance with sound whist precepts, the Duke led the 7 of clubs in order to knock out trumps as soon as possible so he could take all of his winning cards in the side suits. The Duke was challenged to take a single trick. Holding that hand, the Duke thought he could. He was wrong.

This hand cost the Duke #20,000 or over \$1,000,000 in modern terms.

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