

Ko Saipetch grins evilly as the top two teams from the car competition at the physics field day prepare to race each other.

## Science Field Day

by Golda Bernstein

Well, it happened again – you might not be aware of it yet, but a new Caltech tradition celebrated its second birthday last Saturday; the Annual Physics Field Day for High School Students, put on by the physics club.

Last year the contest was a pseudo-Ditch Day, with 12 teams from 6 schools pitting their wits against stacks prepared by evil-minded Techers.

This year, the contest was even more fun for us to watch, since the high schoolers had to do all the preparation. We modeled it after the ME72 design competition. Each team had to design and build a rubber-band race car... with a catch, of course.

Each car carried an egg passenger, which had to survive a crash into a wall of lead sync bricks at the end of the race. The amount of restraint was limited, forcing the high schoolers to use considerable ingenuity in devising methods to protect the egg. Perhaps the restraints were not severe enough, though; only a few teams actually wound up with egg on their faces. Next year we can be more cruel.

To make up for the hardships imposed on the young innocent

high schoolers, we provide entertaining demonstrations following the contests: how to have fun with LN<sub>2</sub>, all sorts of physics demo stuff hidden in the back of 201 E. Bridge, and laser demo equipment from the Aph 23 lab. SEDS also got its shot at recruiting new members, using a telescope demo to draw potential recruits.

Finally, due to the generosity of the Secondary Schools Office, the Y, ASCIT, the Deans and the Caltech Bookstore, we were able to award every participating school with a substantial set of fun and useful books, plus a digital voltmeter donated by Jerry Pine. Given the current education budget in California, the awards are sure to be appreciated.

Let's see...Ditch Day, ME72, ...? The next logical member in the progression has yet to be determined. If you have a suggestion or want to get involved, tell Mike Nassir 578-9833. He originated the Field Day concept and is the head honcho himself of the Caltech Society of Physics Students. It's fun, rewarding, and not too much work – ask anyone who was involved this year... P.S., thanks to all you guys who helped out on the day and before! Come again next year!!!

## Techers Help Needy Mexicans

by Golda Bernstein

Like thousands of other college kids free from school, a group of 6 Techers went down to Tijuana two weeks ago for spring break. Our trip, however, had a slightly different flavor: calluses and sore muscles, conversations with young would-be illegals and good home-cooked Mexican food.

Our housing was different too – the guys stayed at Casa YMCA, the home for children and teens caught trying to cross the border. The majority were boys ages 13-17, but several girls also arrived while we were there. The youngest resident, a 2-year old baby, was not actually an attempted illegal immigrant, but the child of alcoholic and drug addict parents; the authorities couldn't find anyplace else to bring him, so they took him to the YMCA.

Most of the older kids stayed at the home only until they could earn enough for a ticket back to their families in central Mexico or elsewhere (or until they had enough to pay a coyote for another try at the border). A few, with no place to return to, lived more or less permanently at the home, working both there and in the city.

One eighteen-year-old boy, Martinez, had been shot by the border police and paralyzed from the waist down. Unfortunately, Mexico has no disabled-rights act, so in spite of high intelligence, motivation and excellent social skills (not to mention being kinda cute), Martinez can't become as independent as a similarly handicapped individual in the U.S.. He is a long term resident.

But, like the others I talked to, he seemed to genuinely like the place, to enjoy the warm (but disciplined) atmosphere and the people. Besides, he was not without resources – while we were there we helped him fix a second wheelchair that he had previously modified into a more athletic style. (People in wheelchairs treat them like hot rodders treat their cars. Every little improvement counts.)

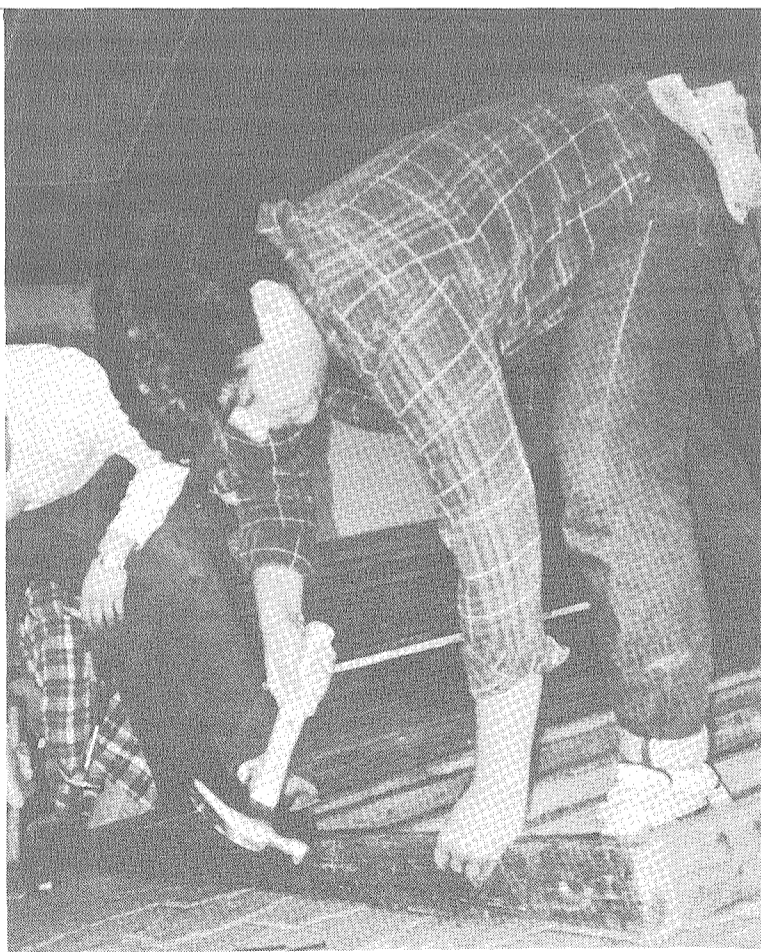
Most of our day, however, was not spent with the kids at the home (they had other jobs and chores to get to during the day) but at work constructing and demolishing buildings. As semi-skilled laborers, we made up for our lack of expertise and numbers by hard work – and by major monetary contributions from our sponsors at Caltech. The Y, ASCIT, the MOSH and the Deans each contributed \$250 towards the project.

Nearly all the money (except for a small amount for food and travel expenses) was donated directly to the YMCA of Tijuana, to help with upkeep of the migrant home and the construction of a new shelter combination schoolhouse. The Y also came up with some

spare camping equipment, which we donated to yet another project, wilderness camp for poor kids in Tijuana.

Despite several goof-ups along the way (We kind of got separated at the border and I somehow wound up going around twice...) I think all of us would do it again...and hopefully will!

If you are interested in going along on the next trip, get in touch with Brian Kurkoski (449-5446) or Rob Ellis (795-3763) and nudge them to set up another one...maybe this summer? Oscar Escalada, the director and an extremely outgoing, wonderful host, said he'd be glad to have us back...so long as we promise to work!



Jesus Mancilla closes his eyes and prays that the nail won't bend in Tijuana.

## Drugs and Alcohol

by Andrea Mejia

Third term is here and that means that summer is just around the corner. Lots of activities are planned to give you a break from work and to make sure you enjoy the great weather.

Starting is off is Drug and Alcohol Awareness Week! Yeah, yeah, you've heard all about this stuff before. Well so have most people, but there's still a big problem out there. So take some time to go to the activities. It can't hurt, you may actually learn something, and it promises to be a lot of fun.

Tuesday, April 16, 7:30 pm. David Leschke, Executive Director of BACCHUS will present a humorous yet meaningful program addressing choices about using

drugs or alcohol, and substance abuse among college students. In Winnett Lounge, refreshments will be served.

Wednesday, April 17, 7 PM. "How to help a friend with a drinking or a drug problem" This is a training workshop to provide information on indentifying and assisting students who appear to have an alcohol or drug problem. This is open to all Health Advocates, UCC's and any students interested. In Winnett Lounge, refreshments will be served.

Thursday, April 18, 9:30 AM. Mocktail Samples! Stop by and sample a variety of non-alcoholic cocktails. In Winnett Lounge, all are welcome.

Tuesday through Thursday, 11 continued on page 2

## CRIME AND INCIDENT BEAT

- 4/4 Files containing important documents were reported missing and probably lost during a move from Noyes to Beckman Institute. If found, contact the security office to return them.
- 4/7 A security officer found three persons riding in an electric utility cart in the Business Services parking lot. The cart driver began evading the officer and was asked to stop. The cart driver rammed the security car and escaped through the posts located between Kellogg and Karman.
- 4/7 Yet another bag of aluminum cans was stolen from Ruddock House, in the presence of several witnesses.
- 4/8 Two youths were observed in the recycling bin in Chester parking lot. The persons were detained by the Pasadena police and advised not to trespass again.
- 4/8 A student parked his bicycle, unlocked, in the hallway in front of room 128 in the Watson Lab. The bike was gone when he returned to it.
- 4/9 A backpack, containing only an income tax return, was taken from a student's unlocked office at 326 Steele Lab.
- 4/10 Security officers received a call that three persons were loitering around the bike rack at Millikan Library. The suspects were approached, and all three ran, leaving bolt cutters in a nearby bush. Two of the suspects were arrested by the Pasadena Police, and the bolt cutters were recovered as evidence.

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letters

# Commuter Services Replies

To the editors:

A recent letter to the editor (issue of April 5) created a great opportunity for higher visibility of the Caltech Trip Reduction Plan and the transportation survey. There's no doubt that the Campus Community needs to be better informed about the requirements of the South Coast Air Quality Management District's (SCAQMD) Regulation XV and the City of Pasadena's Transportation Ordinance.

We also need to better communicate the current incentives as well as those which are under consideration. To address these needs, the Campus Commuter Services office will be distributing a newsletter in the near future to publish the results of the survey and to provide more detailed information on Regulation XV and the City Ordinance.

A number of concerned employees submitted directly to us, with their survey responses, questions and comments regarding the survey process, the incentives offered, and concerns about the use of alternate modes of transportation. Many thanks to the members of the Campus Community who cooperated by responding and providing the necessary data. The information we received will assist in developing and updating Caltech's Trip Reduction Plan.

Although the upcoming newsletter will provide specific details about the requirements of the Regulation and the Ordinance, let me address some of the concerns raised in the letter to the *Tech*.

First, the SCAQMD Regulation requires every employer with 100 or more employees to submit a Trip Reduction Plan (TRP) targeting the portion of their employee population that normally reports to work between 6 AM through 10 AM.

An "employee" is defined by the SCAQMD as a person who is on the payroll of the employer. For colleges and universities, this includes student employees, part time and occasional employees. We are required (not "allowed") to include student employees in the TRP.

There is a strong possibility that in the future, Regulation XV will be modified to require that TRPs

for high schools and colleges include non-employee students. If that modification is adopted, all of the Caltech students will be included in the plan.

The idea behind that change is that students' vehicles cause pollution as well. We, along with other residential colleges and universities, are fortunate that most of our students do not drive pollution-causing vehicles to work. This is another worthwhile reason for spending millions of dollars for on-campus student housing.

Second, regarding last year's AVR results the data was not broken down and analyzed by employee status. The commute modes and the work locations for all employees in the targeted reporting time of 6 AM through 10 AM was compiled together to arrive at the AVR calculation of 1.82. When all the non-responses were added in as "Drive Alones", the AVR was reduced to 1.51.

Unless one has the facts regarding the number of full-time staff that normally report to work at the targeted time, the number of responses received, the distribution of the commute modes, and the number of non-responses counted as "drive alones" from that particular group, one cannot really arrive at an accurate understanding that "Caltech's AVR was actually less than 1.20 for full-time staff employees," as the letter to the *Tech* states.

Third, Caltech has made strides in encouraging ridesharing. There are certainly a great variety of ideas for incentives out there that are not currently included in our TRP. However, Caltech is certainly not stonewalling the subject. We have made a commitment to have 50 reserved carpool spaces marked on Campus by May 31, 1991, and up to 115 spaces marked by November 30, 1991.

As of this writing, 42 of the spaces have been assigned to Caltech carpools. Employees who carpool with at least one other Caltech employee a minimum of three days per week are eligible to apply for one of the reserved carpool spaces. We also offer a \$15 subsidy to employees who purchase monthly RTD passes for their own daily commute to work,

and RTD coupon books for occasional bus riders at the discounted rate of \$15 for a book of 17 coupons.

In addition, the Security Office is working on replacing the older bicycle racks on Campus that may not be compatible with the newer, more secure bicycle locks, and adding new racks where needed.

Experts in transportation management are advising employers to carefully evaluate any economic incentive programs before implementation. Some programs have been found to have an adverse financial impact on employees because the IRS categorizes most of the subsidies as taxable income. The RTD subsidy is one of the very few which is non-taxable, as long as the amount of the subsidy does not exceed \$15.

We're all agreed that environmental problems are everyone's responsibility. We all have to do what we can given our individual circumstances. Some employees can make the transition to alternate commuting modes without too many major adjustments.

Others who cannot change their modes of transportation because of dependent care and other critical commitments, may need to consider other trip-reducing options such as telecommuting (working at home), or variable work schedules (i.e., 4-day work week, etc.) if those options are appropriate for their departments and work assignments, and approved by management.

If every employee who drives alone eliminates at least one round trip to work per week by using an alternate commute mode or other trip-reducing option, there would be a positive impact on reducing the traffic and parking congestion, and most importantly, on reducing the pollution of the air we breathe.

We are always open to input regarding creative approaches that encourage the use of alternate modes of transportation. Feel free to give me a call. I look forward to hearing your views and discussing your ideas.

—Becky Campos  
Caltech Commuter Services  
Coordinator  
Personnel Department  
105-6, x8386

# Tech Talent Show

This is to announce the coming of a Caltech Talent Show. Now, some of you might think, "Yeah, yeah, Frosh Camp, house skits, bad jokes. Joy." In a word, no. Instead, we hope to bring together some of the genuine talent on campus to the stage and make an enjoyable production.

Right now the show is still very much in the planning stages. It will most probably be May 25 (Saturday night of Memorial Day weekend) in Ramo Auditorium. This would put auditions on the 11th and 12th, two weeks before the show. It will be open to undergraduates, grad students, JPL personnel, faculty and staff.

The reason this is being announced now, before many of the details have been determined is two-fold. First, your help is needed to make this puppy fly. We will need help organizing and promoting the show beforehand and in actually running the show (set-up,

lights, stage management, etc.) We are looking into the possibility of getting credit for volunteers. But in order for the show to go on, it needs your help.

The second and more important reason is to let people who are interested in participating have time to prepare. So if you sing, play an instrument, or perform; if you are interested in putting together a skit, sence, musical number, or dramatic reading; or if you just have a talent to entertain, then now is the time to get your act together (literally). We wanted to give you as much time as possible to practice, rehearse, and brainstorm. Auditions are in about four weeks.

If you can help out, please contact Ari Kaplan (Lloyd rm 225, 440-9743) or Shane Sauby (Rudock rm 233, 578-9923) at your earliest convenience. We hope to have more information next week, so stay tuned.

## Alcohol from page 1

AM. Literature Display and Hot Air Balloon Ride Raffle. Tables outside Winnett Student Center will be providing information on the effects of drug and alcohol, groups on campus which can provide help, high risk groups, etc. Also, buy a raffle ticket to win a private hot air balloon ride on the weekend of your choice!

Friday, April 19, 9:30 AM. Hot Air Balloon Rides! While you're waiting your turn, enjoy the club fair, food and a jazz concert. A do-

## Centennial

by Steve Bard

There's just one week left! Yes, that's right, one week until you can enjoy all the fun a weekend has to offer at the Undergraduate Centennial Celebration. And what kind of fun is that? It's a totally bitchin' PARTY on the steps of the Athenaeum next Friday, April 19, including a live band if y'all be wantin' ta dance (and ya better!).

Then there's sports and other activities (Volleyball!), and after all that exercise, something dear to any Techer's heart: FOOD. And not just any food, but an enormous dessert buffet catered by . . . the Ath!

PLEASE if you have even a couple of spare hours this weekend, come to the meeting today at noon at the Caltech Y or talk to Cathy Hafer (Fleming room 47) as soon as possible.

nation of 50 cents would be appreciated, and make sure you bring your Caltech ID. This will all be out at the athletic field.

All events are sponsored in part by ASCIT, the Student Consultation Program, the Caltech Y, the Housing Office, the Master's Office and the DRL, the Health Advocate Program, the Admissions Office, the Staff and Faculty Consultation Center, and the Caltech Bookstore. And, if you'd like to help with any of these events, please contact the Y at x6163 as soon as possible.

## THE CALIFORNIA TECH

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EDITORS  
Scott Kister  
Mark Lyttle

CRIME BEAT EDITOR  
Rob Ellis

WRITERS  
Golda Bernstein  
Ned Bowden  
Jim Caron  
Sam Dinkin  
Andrea Mejia

PHOTO EDITOR  
Lei Chen

ELECTRONIC COPY EDITOR  
Asim Mughal

BUSINESS MANAGER  
Sonny Arcilla

CIRCULATION  
Peyjen Wu  
Jennifer Wright

THE CALIFORNIA TECH  
Caltech • 40-58 SAC  
1201 East California Boulevard  
Pasadena, California 91125

(818) 356-6154

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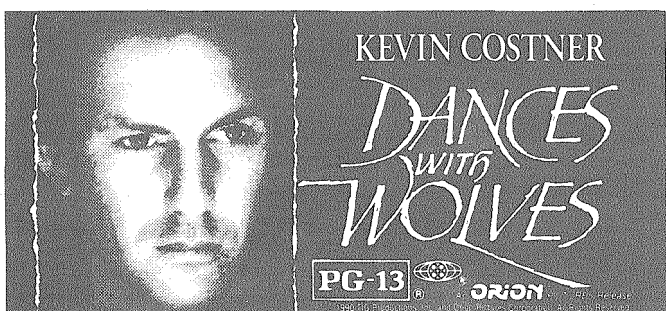
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Academy Award Winner!

Gerard Depardieu

### Cyrano De Bergerac

Daily 6:30, 9:20 p.m.  
Sat-Sun Matinees 12:45, 3:40 p.m.



Tonight's ASCIT Movie  
Baxter Lecture Hall 7:30 & 10:00  
\$1.50 & \$2.00

The Inside World

Inside World Policy:

All Inside Worlds must include the author's name. Inside worlds can only be written by current undergraduates. The editors reserve the right to edit any or all parts of an Inside World, or to not print it at all. No libelous material will be accepted. It is the author's responsibility to check material written about a person to see if they consider it libelous.

This Week's **Inside World** was written by:

Lloyd: Jeff Hagen & Scott Harris	Blacker	12	4	0	0	0
Page: Michael Simpson	Dabney	11	2	0	0	0
Ruddock: Jon Liljelblad	Fleming	13	1	0	0	0
	Lloyd	26	15	2	1	3
	Page	21	3	1	3	4
	Ruddock	25	18	3	2	5
	Ricketts	15	9	0	4	4

Ricketts

Slye On The Job

As of last report Derek Slye (a.k.a. Dexter Slyester) still does not have a job. Slye, having graduated in June of '89 with a major in aeronautical engineering right here from Caltech, says that the job market is tight. "I'm having to tailor make a resume for each company I apply to whether it be aeronautical, mechanical, or a civil engineering position," said the Slye man in a recent conversation with this reporter.

All reports that Dex is doing well in his interviews, "It's a lot of fun trying to guess at what these guys wanna hear," he once told me. There was even a rumor going around that Dex had a couple of good leads with perhaps Boeing and Parsons. But in the couple of weeks this news has been floating around there seems to be no concrete developments.

A few folks have tendered the thought that Chatting Duck (as he is affectionately known by his mother) may not exactly want a job; after all, the skiing is still WFO and his living expenses are next to nothing. "So why should he get a job," said one anonymous Tech editor, "why doesn't he just live up in Mammoth?"

-Tebroc

Lloyd

I Fought the Law

Filing suits in the hot sun. I fought the BOC and the BOC won, I fought the BOC and the BOC won.

I needed a room 'cause I had none. I fought the BOC and the BOC won, I fought the BOC and the BOC won.

I left my Mac and it feels so bad. Mac Playmate sure was fun. She's the best girl that I ever had, I fought the BOC and the BOC won, I fought the BOC.

Note says Remit! or you're done. I fought the BOC and the BOC won, I fought the BOC and the BOC won.

I lost my Mac and I lost my fun. I fought the BOC and the BOC won, I fought the BOC and the BOC won.

Dowsed my watch and it feels so bad. I guess it won't run. It was the best watch that I ever had. I fought the BOC and the BOC won, I fought the BOC.

Institute California

On a dark desert highway Cool wind in my hair Warm smell of burritos Rising up through the air Up ahead in the distance I saw a scary sight Gary grew heavy and my sight grew dim I had to stop for the night There she stood in the doorway I heard the cannon crash I was thinking to myself This could be hell and this could be hell Then she lit up a Bunsen And she showed me the way There were voices down the alleyway I thought I heard them say

Welcome to the Institute California Such a lonely place Such a lonely place Such a homely face Plenty of room at the Institute California Any time of year Any time of year You can find me here

His mind was definitely twisted He's got the BMW M3 She got a lot of pretty, pretty boys That want to be her friend How they dance in courtyard Sweet summer sweat Some dance in circles, some dance alone So I called up the MOSH Please bring me my wine He said we haven't had any spirits here since 1989 And still those voices are calling from far away Always awake in the middle of the night Just to hear them say

Living it up at the Institute California What a nice surprise Bring your HP eyes Cheap tile on the ceiling The pink cobaltamine on ice And she said, we are all just prisoners here Of our own device And in the Master's office They gather for the IHC feast They stab it with their steely minds But they just can't kill the beast Last thing I remember I was running for the door I had to find a tunnel back To the place I was before Relax, said security We are programmed to receed You can drop any time you like But you can never leave.

Most lyrics by:

-J. Hagen  
S. Harris

Page

It's a dark, muggy night in Page House. There is an eerie silence coupled with the common smell of beer-drenched carpeting. Down in the lounge, there is but the crackling of the fireplace to break the silence. You wander along aimlessly hoping to find another bored soul to share the boring evening with. Suddenly, you are inspired to turn on the television set in the lounge. At first, there is nothing but static. It's an old set; it really doesn't work very well. But you

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are determined, so you keep hitting buttons and wiggling wires until the screen clears up. You look at the screen and smile satisfyingly, pleased at your success. The program on the channel you have reached is a familiar one from your ent about the show. There is something unusual about the characters, yet you can not quite pinpoint it.

"Our ALC Grang" starring the little rascals...

- Alfalfa "Potatoe" Gomez
- Spanky "Canuck" Kovalik
- Buckwheat "The Knob" Whiteley
- Butch "Bartman" Simpson

The opening scene takes place in the secret ALC clubhouse hideout. Alfalfa is holding a meeting to discuss general topics of concern.

ALFALFA: Ok, guys. The first thing we need to talk about is fund-raising. Let's face it, we could really use a THOUSAND BUCKS!

SPANKY: But what are we going to do with the money once we get it?

ALFALFA: Why, Spanky, don't be stupid. We'll buy ROOT BEER, of course! Lots and lots of ROOT BEER!

SPANKY: But we aren't allowed to drink root beer. Our parents won't let us. It's bad for us. We'll get lots of cavities and have to go see the evil dentist.

BUCKWHEAT: Oday. It is a given that it would be against the rules that our parents have set down. But our parents have not actually said what they will do to us if we break the rules. Any sort of punishment is unclear. So I see no reason for us worrying about breaking the rules.

ALFALFA: Exactly! So remember, we need a THOUSAND BUCKS! Anyway, the next topic on the agenda is THE ENEMY.

SPANKY: Oh, you mean Butch!

ALFALFA: Yeah, Butch! He's been talking to our parents trying to foil our plan to get a THOUSAND BUCKS and buy lots of ROOT BEER. What are we going to do about him? Any ideas?

BUCKWHEAT: Oday. Violence is out of the question. Butch is way too big to get into a fight with.

SPANKY: We can't talk to him reasonably either.

ALFALFA: He must approach us first.

BUCKWHEAT: I know! We can publicly disgrace him in front of his friends! Without his friends, Butch is powerless. First, we can spread lies about how Butch is actually an undercover vice cop reporting to the big, bad Policeman WEST. Then we harass and otherwise offend all of his friends in the neighborhood and make them move. He will be powerless with nobody behind him, and we can have all the root beer we want!

SPANKY: I like this plan. This plan is good. Our ALC Gang will live long and prosper under this plan!

ALFALFA: Meeting adjourned!

Commercials come on, and you restlessly change the channel looking for a new show. You finally find an interesting looking talk show.

It's "Oh, No!" with your host, Seiya Fukuda...

SEIYA: Today, my guests are four members of Page's infamous Blackened Alley, Joe Long, Bryce Elliot, Dave Goldberg, and Tom Fink. Joe, why don't you get things started.

JOE: I really hate track. You know, I'm just tired of flinging those steel balls around. They're so heavy!

SEIYA: Oh, no...

BRYCE: Roar!

SEIYA: Oh, no...

DAVE: Ya know, I'm from New York. And in New York, you can do what you want to! You don't have to be SENSITIVE! If you want to close off entry into a hallway and turn it into a clubhouse, you can! You can say things like "Blackened Alley, love it or leave it!" and people will listen to you.

They'll find another way to walk into the house. Not here! They make you tear your clubhouse down! They're no fun. SEIYA: Oh, no...

TOM: I just don't understand. I mean cows aren't purple, but then again they don't have orange udders. How could he think they were penises? I just don't understand. I've never seen a cow with more than one penis!

SEIYA: Oh, no... Well, that's all we have time for today. Stay tuned next week when our guests will be the Fleming Basketball Team.

Again, the commercials come on and you quickly change channels. This time, you switch it to NBC where that all popular show, Saturday Night Live, is on. The current skit appears to involve a number of sports experts discussing an upcoming game.

BAPPA: Hi, welcome back to Page Sports Talk. I'm your host, Boppin Bappa, and with me is Fred Sloneker, Atul Suklikar, and Page's own Mr. Money, Eric Stout. We're discussing the upcoming clash between Page and Fleming in basketball. To get things started gentlemen, who do you think will win this game: the reds or the BEERS?

FRED: No doubt, DAH BEERS!

ATUL: Why do you insult my intelligence by asking such a trivial question? DAH BEERS!

ERIC: Look, the reds don't got a chance! DAH BEERS all the way!

BAPPA: Ok, that was a stupid question, I admit it. Let's take a different approach to this that might give us a little more insight into the true nature of the killing. What if all the Page Boys played with one hand tied behind their backs? FRED: Still no contest. DAH BEERS!

ATUL: That would probably be a close one. In overtime, DAH BEERS.

ERIC: No way, Homes. The strength of my team is so great, that we don't need both of our hands! Dan Flees has more muscle in his little pinky than Bill Swanson has in his whole flabby body! DAH BEERS in a sound clobbering.

BAPPA: Ok, let's use a little bit of imagination here. What if our tall guy, Jason MacLeod, was only 12 inches tall? Could we still keep up with the boys in red?

ERIC: Playing against Bill "Air Brick" Swanson, it would make no difference. Jason could still stuff Bill at will. It would be a closer game though. The other members of the Flem team could probably manage to shut down MacLeod. That's when we'd go to our other tall guy, Emerson Tongco. In a close one, I'd still have to say DAH BEERS.

ATUL: But what if Bill could actually jump?

BAPPA: Come one, let's try to be a little REALISTIC now! What if in addition to Jason only being 12 inches tall and Dan only being able to use his pinky, Mr. Money over here had to wear a blindfold to neutralize his outside shooting? ATUL: Bryce could pull up the slack. DAH BEERS!

FRED: No, actually I think the Flemms might have a chance then. The Flemms?

ERIC: GET OUT OF HERE! You know asack. DAH BEERS!

FRED: No, actually I think the Flemms might have a chance then. The Flemms?

ERIC: GET OUT OF HERE! You know as well as I do that Emerson would take it to the basket up and over Bill and the rest of his goons every time down the court! DAH BEERS!

BAPPA: Well, there you have it. Our experts all are in agreement that Fleming will be turned into a mass of bloody pulp by Mr. Money and the Page BEERS. Next week's show will not be shown due to the fact that I will be in Las Vegas betting on this very game. When I return, we'll discuss Page versus Fleming in tennis. So long.

-BARTMAN

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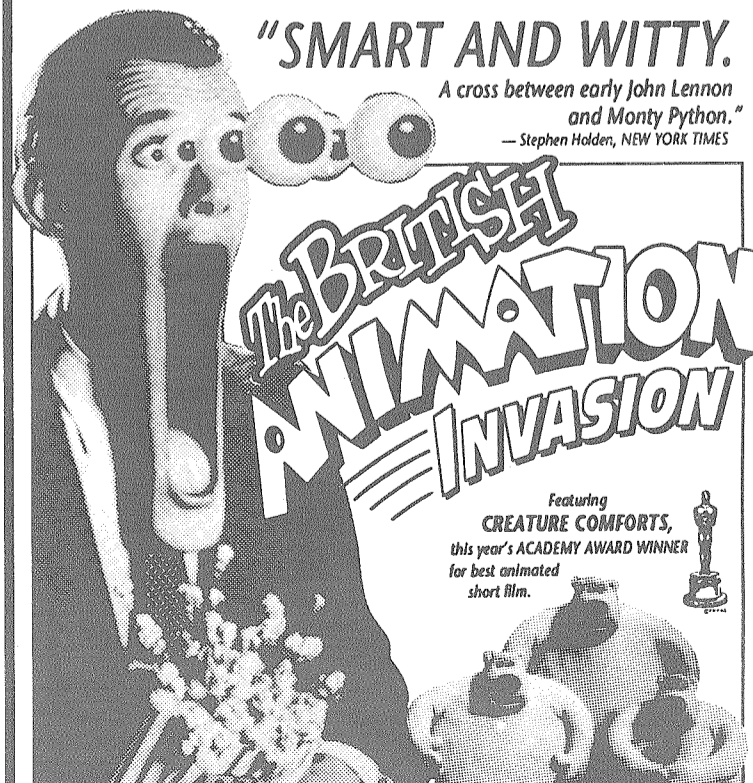
-Jami Bernard, NEW YORK POST

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April 25th  
On-Campus Interviews

## Software Engineers, Programmers, Software Architects

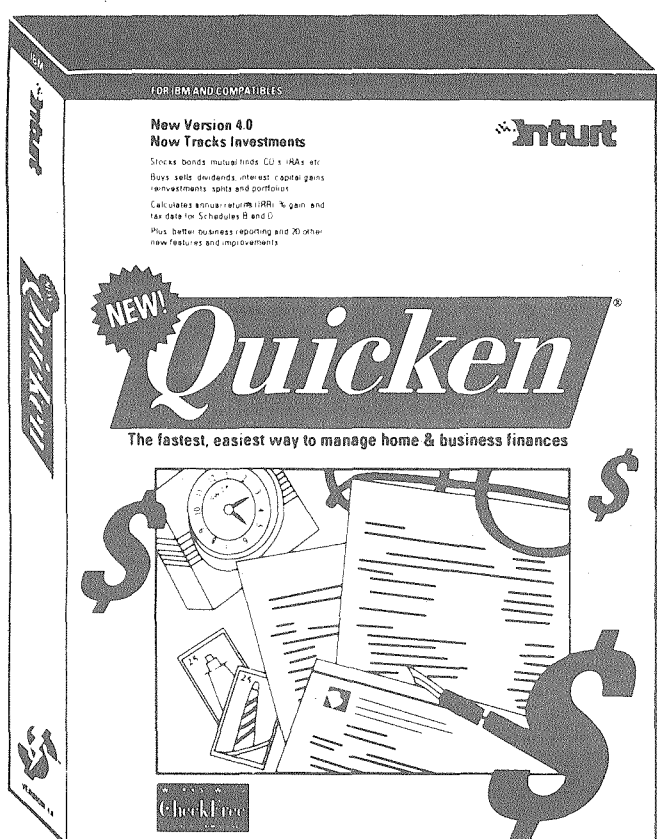
**I**ntuit, the makers of Quicken, the 3rd best selling application software on the planet for Macintosh and IBM computers (behind WordPerfect and Lotus 1-2-3), will be conducting on-campus interviews for software engineers, programmers, and software architects on Thursday, April 25th.

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sumer marketplace, as well as applying your design expertise to other product areas. We are particularly interested in engineers with strong program internals experience. We have a number of projects going on and several that are just starting out on Macintosh and PC platforms in both C and C++. We'd love to talk with you and find out what excites you.

**Q**ualifications. Exceptionally high IQ (but hey, this is Cal Tech). Bachelor's or Master's degree. C or C++, experience with the Macintosh or IBM PC's, and previous commercial software development experience would be outstanding. You must enjoy creating robust, maintainable, well-documented, and easy-to-use (and therefore not easy to program) code that will be sold to and used by millions of users. User interface design expertise is a definite plus. You must be excited about working in small teams and taking on responsibility for large programming tasks. Oh, yes. We do write product specifications, so your English classes weren't a complete waste of time after all.



**Description: Software Engineers.**  
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**On-campus interviews: April 25**  
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The Inside World

Ruddock

Random Notes

Gee gee gee I get to write the Ruddock Inside World this week.

*Broken stars that fall from the sky  
Angels alight on the heavens spires  
Alabaster gleam beneath the sky  
And muse tell of what has gone before.*

So anyways spring break was one of those things you kind of choke yourself up over and then chop off like a dead limb. I mean, have you ever looked around you and just wanted to say: "FUCK! FUCK! FUCK! Doesn't it all just totally suck?" Yeah, suppose you're write, which is the reason Tucker and I made the Great Excursion to the Land of Scott Halliday.

So Scott says: "You know Jon, if you're going to kill yourself, remember to do it in the shower so you'll clean up after yourself. And also slash longitudinally along your wrists and not crosswise—that way the doctors can't sow it back up."

Which reminds me: you ever wonder why in Japan they just kill themselves whereas in here they kill everybody in the immediate vicinity and then kill themselves? I mean, must be this John Wayne thing or somethin', 'cuz we gotta change things a little bit—remember, if you're going to blow your brains out, do as the Japanese do, kill yourself and then worry about everybody else.

Yeah, so Scott drags off down to Tijuana to get blasted, singing Marine Corps cadence songs the entire way. We're sitting in this raging nightclub with all these Americans dancin' away, and Tucker and I have had one too many but were trying to retain a grasp on reality 'cuz we dont want to spend the night in TJ when Halliday sez: Hey, you guys aren't drunk! This isn't exciting enough! Let's hit on some guys girl and get into a fight!

Matt shakes his head Awwwww, I don't know dude—  
Next thing we know, Scotts out on the dance floor doing the M.C. Hammer and points at this girl and sez "Hey baby! Let's do this hot beef injection!"

At this point a big big big guy steps up and shakes Halliday around like an elephant stomping a fly on a horse's ass, with our bud yellin: "You you piss-shit neanderthal what the fuck you think you're gonna kick my ass you lame piece of stinking fuck who do you think you are?!?!"

The guy looks down at him and says "Navy".  
Scott look up with this shit face: But the only guys in the navy this big are—  
The guys smiles and casually throws Halliday over his shoulder into the door: "SEALs motherfucker."

Which again reminds me, Tucker decides to show off his Hawaiian ass surfing skills and were out on the beach and Camp Pendleton (the finest uncrowded West Coast surfing) when we see these columns of big Big BIG buff dudes running down the sand yelling cadence in hoarse voices. They stop all of a sudden and look at us and yell: "Hey you fucks, are you fuckin' surfing? Ho-dads. Fuckin' Ho-dads!"

Scott looks up and sez: "Oh.....oh.....oh no!"  
"Scott? Uh Scott? What does that mean?" I say as the army of primordial green marched up to us. "Scott, I am not clear on the concept of oh oh oh no. Define for me now."

"Fuckin' Ho-dad surfers fuckin' up our beach!" They start grabbing our necks and shaking us around.

Tucker thinks this is a Marine way of showing affection and smiles, "Right on, dude! Whats up!"

The guy holding him starts to swing him around like a sack of rotten potatoes on safari in the nether regions of Mozambique. Tucker starts whooping it up: "Yeaahhhh! Faster dude! Whooooooo!"

Scott looks at me and sez: "Jon, let's kick some ass and take some names." Huh?

He gets this pissed expression on his face and starts screaming at the top of his lungs: "PRIVATE SHITHEAD! JUST WHAT IN CHRIST NAME DO YOU THINK YOURE DOING!?"

The grunt gets a confused expression on his face, drops Scott.  
"Private Shithead, answer me! Or are you so fucking stupid you can't even get your mouth open to insert your own foot?!?!"

By this time they're standing curiously at attention with a totally confused look in their eyes. Private Shithead in particular was ramrod straight and ashen, he stammered, "Wha-wha-why—"

The Inside World

Scott sucked in his gut, pulled out his military ID: "You thought you could abuse me didn't you? Just too good for me aren't you? WHY YOU INCONSIDERATE PIECE OF SHIT, I BET IF YOU WERE FUCKING ME UP THE ASS YOU WOULDN'T EVEN HAVE THE COMMON COURTESY TO REACH AROUND AND GIVE ME A CROTCH GRAB!"

"No sir, I would sir, yes sir, I would sir!"  
"WHAT?!?!?" Scott look stunned. "Are YOU telling me that you have homosexual desires for me!!!!"

"No sir! No sir!"  
"Are YOU calling me a liar then?!?!?"  
"No sir! No sir!" The boot was looking thoroughly shaken.

Scott pointed at the hapless man: "Clearly private shithead does not and cannot make up his puny mind! Clearly he is incapable of activating his neural pathways! Clearly I have failed to make him a better marine! I have failed because you have failed! You have failed because you have not been allowed the luxury of time to think! THEREFORE, in order to give you the requisite time to think I will engage you in a luxury activity! Does this sound fair?!?!"

"YES SIR!"  
Scott smiled, swelled up even more, surveying his men, his grunts, subservient to his total control. Within his eyes gleamed the great tradition of Drill Instructors passed down from his father and his father before him. He pointed at a palm tree: "ALRIGHT! PRIVATE SHITHEAD WILL COMMENCE CLIMBING THIS APPLE TREE AND HE WILL THEN LOOK FOR APPLES! CLIMB PRIVATE SHITHEAD CLIMB! EVERYBODY!"

Private Shithead was looking thoroughly confused. Numb with confusion and fear, he staggered to the palm tree and obediently began to scale its high trunk. Around him the company stood at attention and pointed yelling: "Climb Private Shithead Climb!"

Scott smiled his maniacal grin, shook his hair. "Alright Private Shithead throw down the apples!"

Private shithead grabbed a coconut, threw it down, placing it squarely at Halliday's feet.

Halliday looked offended: "WHAT?!?! This is not an apple," he looked at it incredulously. "This is a CO-CO-NUT! A FUCKING CO-CO-NUT! WHAT THE FUCK!" He looked pissed. "Company, Private Shithead has failed in his duties! He has failed because I have failed to instruct him properly! I have failed because you have failed! You will atone! You will suffer the utter denigration of humiliating one of your own! You will commence to pick up the apples on the ground and throw them with great force and great strength at private shithead!"

The company waived for a moment, thoroughly confused, then slowly followed the DI's example, picking up coconuts and throwing them at poor addled and now thoroughly shaken private shithead.

Satisfied, Halliday pointed at the bruised boot: "You may return to earth private shithead!"

Tucker smiled, shook his head: "Dude Scott, what a man!"

Scott turned and looked, his face a frozen mask: "Kneel before me slave."

At this point I thought enough was enough and looked over at one of the marines and asked: "Why excuse me, is that an M16 you're carrying?"

The man looked at the rifle in his arms and said: "Why yes, it is an M16 I'm carrying."

"Why thank you," I said. I borrowed the rifle, flipped the safety, secured the round in the barrel. Then slinging the rifle, I aimed it at Scotts overblown egotistical megalomaniacal head and squeezed off a nice tight grouping of 3 bullets just above his ear.

The marines smiled jumped for joy. Slapped me on the back. Tucker smiled even more, "Ho-dans! Fuckin' Ho-dans!"

They made us do cinnamon rolls for the rest of the day—you know, you run in the sand, then jump into the ocean, swim out past the breakers, then swim back in, roll around in the sand until it gets under your clothes, then start running again. Fine, until the sand starts to rub you the wrong way.

Oh Yeah. Theyre tellin' me to tell ya'll out there that there's a PARTY at RUDDOCK this SATURDAY at 9:00 P.M. with a KROQ DJ (Jed the Fish) with ALCOHOL. So be there. Its built big, with a theme being BLADE RUNNER and lotsa black. So show up, hang around, talk, gab, dance 'til you sweat, and drink 'til you pass out.

*I'm just a squirrel tryin' to get a nut  
Tryin' to move yo butt,  
Make you sweat 'til you bleed  
Everybody get goin' get goin' on the dance floor  
Get goin' get goin' 'til you cant dance no mo  
SWEAT baby, let the rhythm take control  
Let the rhythm move your soul  
SWEAT baby*

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Tech Meeting

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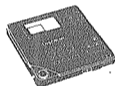
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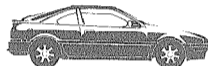
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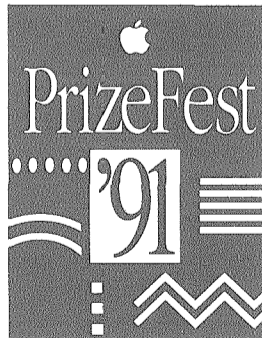
With 44 winners and more than \$46,000 in prizes in Southern California, PrizeFest might well be a historic event.

Even so, it's surprisingly simple to win. Just stop into your campus computer reseller and fill out an Easy Entry Form. While there, take a look at the perfect computer for students and faculty alike—the Apple Macintosh LC 2/40 computer.

#### Your most colorful entry into affordable computing.

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APPLE PRESENTS



work the same way.

The Macintosh LC can be heard as well as seen, because it also comes with a microphone that lets you personalize documents with the sound of your voice.

More good news: You can now buy an Apple Macintosh computer every two years! So if you purchased one in 1989 and you're ready to upgrade, go right ahead.

#### You have to enter to win.

So get to your computer reseller and enter PrizeFest. And get there today. With a little luck, you could come away with something that's really something.

Enter April 8-April 26  
Campus Computing Organization  
Jorgensen Building 158-79, 356-4612

Check out the low cost of the Macintosh LC 2/40 color system!



# what goes on

# scholarships

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.

### Caltech Ultimate

LAY OUT!!! The Caltech Ultimate Machine is at long last forming with hopes of participating in Ultimate tournaments throughout the Southwest. We encourage all disc-hucking undergrads to come practice with us on the north athletic fields Tuesdays and Thursdays from 4-6 PM. See ya there!!!

### Seniors!!!

Its not too late - submit your senior picture or contact Celina Mikoljczak at 584-6634 ASAP. If you delay any longer I can't guarantee anything. If you are having trouble your house historian should be able to help. So turn in your picture with your name, major and hometown today!!! The address is The Big T, 27-58 (the Big T mailbox in the SAC).

### The Magic Castle

The Caltech Y has spots for a party of eight people (21 years or older) to attend dinner at the Magic Castle. If you would like to coordinate this event please see Brian at the Y. For info and sign-ups stop by the Y (second floor Winnett).

### SHPE Club Meeting

Come one, come all. SHPE is having its first meeting of the term. All are invited. Meet in room 25 of the SAC at 2:00 PM on Saturday the 13th. We will be going out for lunch.

### Clubs and Organizations

The Student Activities Center is organizing a club and organization fair on the Athletic Field on Friday, April 19 from 9:00 AM to 12:00 noon or 1:00 PM. We are still working out details, but please contact Jeanine Conneally, x2935 as soon as possible if you would like to be part of the festivities. There will be a Hot Air Balloon for Drug and Alcohol Awareness Week, the jazz band, food and hopefully your club or organization. The pre-frosh will be attending, so this will be a good opportunity to show them what Caltech has to offer. Contact me now!

### Society of Women Engineers

The Society of Women Engineers are meeting on Tuesday, April 16, at 7 PM in the SAC room 35 to pick new officers. We will have pizzas, and meanwhile, think about running for office! If you have any questions, find Celia at 578-9923 or just drop by Ruddock room 236, mail code 1-55.

### Hey Frosh!

Even though the deadline to declare your major was today, it is never too late to change your mind. If you are unsure of your choice as yet, read on. The Society of Women Engineers is sponsoring the Panel of Options on Wednesday, April 24 at 7:30 PM in Winnett Lounge. An upperclassman from each major will be there to tell you about his/her major and answer your questions. In addition, the Career Development Center will have a representative there giving us information as to what Teachers do after graduation: graduate school, work, etc. If you feel like you need to know more before choosing the right major and signing up for the right classes, be there! The engineering majors (ChE, EE, E&AS) will start at 7:30 sharp, followed by the H&SS majors at 8:30. Then we'll have a munchies break followed by the Applied and Pure Science majors (AMa, Ma, APH, Ph, Bi, Ch, Ge) at 9 PM.

### Throop Peak Hike Postponed

The Caltech Y 75th Anniversary Throop Peak Hike (4/13/91) has been postponed until October, 1991.

### Ex-KGB Spy

Dr. Valdimir Sakharov will be speaking on "Affairs in the Middle East, Wednesday, April 17, 1991 at 5:00 PM in Baxter Lecture Hall. As a KGB defector and Middle East diplomat, Sakharov promises to challenge thoughts regarding the Middle East and the USSR. Admission is FREE. Sponsored by the Caltech Y.

### Undergrad Time Line

Friday, April 19th check out the Caltech Undergraduate Time Line on the olive walk featuring years of great Caltech history. At 7:15 PM stop by the Ath patio and lawn for dancing, volleyball, FREE Ath dessert and the music of Joshua's Natural Sound. Sponsored by the Y, cosponsored by the Centennial Steering Committee, the Admission's Office, ASCIT and the Master's Office.

### See Marlene

There will be a showing of *Marlene* in Baxter Lecture Hall on Thursday, April 18 at 7:30 PM with a discussion after the showing. The starting point for Maximilian Schell's film *Marlene* was a taped record. The record of a refusal. Marlene Dietrich refused to be filmed, so all that remained was her spoken word: her voice, her breathing, laughter and tears. All are invited.

### Plant and Bake Sale

The Caltech Service League will hold its annual Plant and Bake Sale on Friday, April 26 from 8 AM to 1 PM on Winnett Patio. Home-made baked goods, plants and a raffle will be available. All money goes to the Service League which helps all Caltech students. See you there.

### Book Faire

There will be a children's book faire April 18 and 19 (Thursday and Friday) at 293 South Chester (the Children's Center) from 3:00 to 5:30 PM. A variety of your favorite and hard-to-find children's books on sale.

### Women's Group

Sunday, April 14, please join us for an informal discussion of women's issues as they pertain to education and student life at Tech. Discussion is to be moderated by a counselor not affiliated with Caltech or the Counseling Center. All undergrads, grads and faculty are welcome at 7:30 PM in the Master's Office. For more information contact Jennifer Jungkuntz at 564-8545 or Yu-Chien Kuo at 578-9504.

### Gay, Lesbian Discussion Group

The Gay, Lesbian, and Bisexual Discussion Group meets the first and third 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. The topic for April 16th is "Toward a New Sexual Ethic."

### 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.

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Wed 10-6 • Mon-Tue-Thu-Fri 10-5 • Sat 10-3

### 1991 Camp UCC's and Helpers

The Deans are interested in hearing from you if you would like to attend New Student Orientation as a UCC and have not already been chosen by your house, or attend as a Deans' Helper. Camp is scheduled for Wednesday, September 25 through Friday, September 27, 1991. Submit a brief written description of your unique qualifications (campus activities, talents, and why you want to attend camp) as a UCC or as a Deans' Helper to the Deans' Office (102 Parsons-Gates) by Monday, April 22, 1991. We hope, with your help, to add to the diversity of the Camp experience for the new students.

### LA Philharmonic

The Caltech Y has tickets for a host of wonderful Philharmonic concerts at \$5.00 each. Concerts include: Sunday, April 14, 1:30 PM - Bach: St. Mathew Passion (in German), Tuesday, April 16, 8:00 PM Brahms violin sonatas featuring Anne-Sophie Mutter, Friday, April 26, 8:00 PM - Brahms: Piano Concerto no. 1, Stravinsky: Le sacre du printemps, and Sunday, May 5, 2:30 PM - Tubin: music for strings, Bartok: Piano Concerto no. 2, Dvorak: Symphony no. 6.

### Renaissance Faire

The Caltech Y has tickets for this year's Renaissance Pleasure Faire for \$9.00 (regularly \$14.50). The Faire runs April 20 - June 9, 9 AM to 6 PM at the Glen Helen Regional Park in San Bernadino. Get your tickets today.

### International Day

International Day this year will be held on May 24. It's purpose is to increase the awareness of the Caltech community of the rich international heritage of its members through music, dance, food, displays, and works of art. Anyone interested in participating in this year's program contact Brian Redin at x6163 or Jinendra Ranka at 578-9368.

### Tour of Rockwell Downey

SEDS has a tour at Rockwell Downey on Saturday, April 13. We will be leaving the Catalina III parking lot at 12 noon. Later that day, we are going on a star party to Joshua Tree National Monument. For information, call Shaun Kirby at 577-4664.

### Caltech-Oxy Concert

There will be a concert by the Caltech Occidental Wind Ensemble on Tuesday, April 16, at 8:00 PM in Thorne Hall on the Occidental College campus.

The concert will feature flute soloist Mary Rowe. Mary was the first place winner in the Phoenix Symphony Guild Young Musician's Competition, and has played principal flute in the Caltech Wind Ensemble for the past three years. She also plays flute in the Caltech Chamber Music Program and will play a Dabney Recital on May 5th.

Guest conductor for the evening will be Allen Gross, conductor of the Caltech Occidental Symphony Orchestra. Allen is Associate professor of Music at Occidental College and has guest conducted with the Louisville Orchestra and the Santa Monica Symphony.

There will be music by Copland, Holst and Bach. The concert is free and open to the public.

### Merit Awards for 1991-92

Each year, the Scholarships and Financial Aid Committee awards a number of Merit Awards to the most academically talented of the Institute's Sophomores and Juniors, and in special circumstances, Freshmen. Merit Awards are based on outstanding scholastic achievement as demonstrated by exceptional performance in formal classes and/or in independent research, and not on financial need. Last year, the Committee recommended 41 Merit Awards of full or three-quarters tuition and six honorable mention awards of \$3000 each. The level of awards this year will be determined by the caliber of applicants. Applications are available in the Financial Aid Office at 515 S. Wilson. The deadline for submitting completed applications to the Financial Aid Office is 5:00 PM on May 3, 1991.

### 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 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 Society of Women Engineers is offering six scholarships for the 1991-92 Freshman Program and one scholarship for the Reentry Scholarship Program. Applications, including supportive material, must be postmarked by May 15, 1991.

The Rocky Mountain NASA Space Grant Consortium is now soliciting applications for fellowships for persons interested in the Rocky Mountain Space Grant Fellowships. The fellowships are for 12 months and are renewable. The application package should include a transcript, a resume, a letter describing an interest in pursuing a space oriented research program, a letter from a major professor as a reference, and the names and addresses of two references. You must also be a US citizen. For address to submit applications, please contact the Financial Aid Office.

The Planetary Society invites you to apply for the 1991 scholarships and awards. For entry details please contact the Financial Aid Office. May 1, 1991 is the deadline for completed applications to be received for both the Mars Institute Contest and College Fellowship Awards. 1991 SOCAP (Society of Consumer Affairs Professionals in Business) Scholarships are available. Applications are encouraged from students anticipating careers as consumer affairs professionals in areas such as consumer education, customer service, community relations, consumer economics and family financial counseling. Applications are welcome from individuals planning to work in business, academic, government or media positions. The deadline is April 30, 1991. If you have any questions, please come by the office or call x6280.

### Harry S Truman Scholarship

The Harry S Truman Scholarship Foundation awards scholarships to juniors who have outstanding leadership potential and intend to pursue careers in public service. If interested please stop by the Dean of Students Office, 102 Parsons-Gates for more information. Deadline is December 2, 1991.

### Green Hills Software Scholarship

The Green Hills Software Corporation has announced the availability of \$5,000 Computer Science Scholarships. These renewable scholarships are to be awarded to juniors and seniors with an interest or experience in computer science. The Green Hills Scholarship is based solely on academic performance with no regard to financial need. The deadline for submitting the Green Hills Scholarship application is May 3, 1991. Applications are available at the Financial Aid Office, 515 S. Wilson, and the Deans Office, 102-31.

### Political Internship

The Beckman Internship will be available for the summer of 1991. The internship, supported by friends of Dr. Arnold O. Beckman, will pay a stipend of \$2600. 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 Friday, April 19, 1991.

### Ebell of Los Angeles Scholarships

The Ebell of Los Angeles is offering undergraduate scholarships for the 1991-92 school year. The amount of the scholarship is \$3000 per year paid in monthly checks, September through June. In order to apply, students must be U.S. Citizens, L.A. County residents, have at least a 3.25 GPA, and be attending an approved college in Los Angeles County. L.A. County residence may be proven by in-school attendance.

## CLASSIFIED ADS

### EMPLOYMENT-

**BIOLOGY OR CHEMISTRY MAJOR** wanted for summer job. We are looking for a student with computer experience to install a molecular graphics program (FRODO) on a personal Iris. The student will be expected to learn how to display proteins and nucleic acids using FRODO, and then revise a manual for students taking a protein structure course this fall. The applicant must have experience with the UNIX operating system and knowledge of protein and nucleic acid structure. A possibility also exists for the student to study aspects of protein structures currently being worked on in our laboratories. If interested, please contact Pamela Bjorkman (x8350).

### FOR SALE-

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### HELP WANTED-

**STUDENT NEEDED** to help temporarily disabled professor with paperwork and computer mail daily from 3-4 p.m. Please call Diane at x4169.

**ENGINEERING STUDENT** needed to help design and develop attorney's VCR-related invention. Send cover letter and qualifications to Mr. B. Green, 4201 Via Marisol #137, Los Angeles CA 90042.

**TEACHER/TUTOR.** Any undergraduate, graduate, or PhD student with teaching or tutoring experience. \$10+ per hour (depending on qualifications). All majors considered. (818) 912-7747.

### PERSONAL-

**BLIND, PARALYZED MAN,** a poet, would like new friends to help with reading and writing over the phone or on tape. Interested in music, nature, history, and health. Your help is much appreciated. Call Richard at (213) 938-5347 or write to 5909 W. 6th St., Hollywood CA 90036.

**RATES.** . . . . \$4.00 for first 30 words; . . . . 10¢ for each additional word. Send written ad with payment to 40-58. Deadline is 6 p.m., Monday before issue. No charge for on-campus lost & found.

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# Hockey Wins Championship

by Jim Caron

On Sunday morning, April 2, the Caltech Beavers captured the PCHA Division II state championship by beating UC San Diego with a score of 5-1. The playoffs took place over the entire weekend at the Pickwick Skating Arena in Burbank.

On Friday Caltech opened up against UCLA — a team that had never given them any trouble in the regular season — and shut them out with a score of 10-0.

This victory enabled the Beavers to continue on to play USC on Saturday morning. USC came out strong and were determined to have a good outing against Caltech. Nevertheless, Caltech was too much of a force to be dealt with and the Beavers won 5-2. This victory was a prelude to the two game series against UC San Diego for the state title.

UC San Diego had been of great concern to the Beavers all through the playoffs as well as in the regular season. UC San Diego finished first in the league for regular season and was the only team Caltech had lost to.

When Caltech played San Diego in the semifinals on Saturday evening they tried to psyche the Beavers out by sitting out their two top players. The purpose of this was to let Caltech think that they were a much weaker team than they are so that the Beavers would underestimate them in the finals. Then they would theoretically spring their top two players in the championship game and beat Caltech.

San Diego's plan was, to some extent, working because the Beavers dominated Saturday night's game and beat them. However, their plan failed for two reasons; Caltech plays with a newborn raw intensity in the playoffs and the Beavers have too much of a winning tradition and playoff experience to ever underestimate any team during playoff competition.

On Sunday morning the game got off to a fast-paced start. Both teams could taste victory and were willing to do anything to win. With 7:04 left in the first period Jeff Hall scored the first goal of the game for Caltech assisted by Bob Lane and

Jacques Belanger. Then about a minute later, with 5:54 remaining in the period, Belanger scored a back-breaking goal with a mighty slap shot from the point into the top corner of the goal assisted by Martin Brouillette.

Suddenly, San Diego found themselves with a two-goal deficit. The next goal was going to be the most important goal of the game and none other than the league's leading goal scorer was to get it — Caltech's Dale Laird at 2:43 into the third period assisted by Jeff Moore and Tom Penn. San Diego managed to get a goal midway through the third period, but it did not even dent Caltech's domination of the game. The Beavers finally won with a score of 5-1.

The Beavers captured the Warden Cup and once again reinstated their dominance of Division II hockey in California. The name "CALTECH" reads like a rash all over the name plate on the Cup that records the champions. Caltech is fast becoming a hockey dynasty in PCHA hockey much like the Montreal Canadiens are in the NHL.

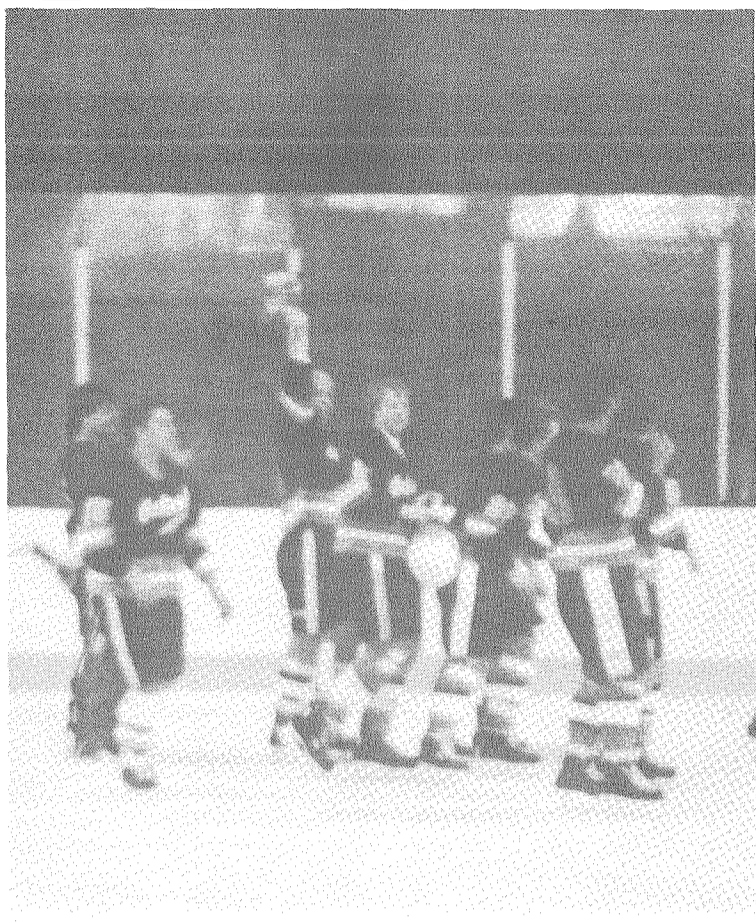


photo by Ron Seifert

The victorious Beavers hoist the Warden Cup high as they skate a victory lap.

## Sam Dinkin's Bridge Column

by Sam Dinkin

♠ 743  
♥ 2  
♦ 32  
♣ AQJ9852  
♠ 95  
♥ 975  
♦ J98764  
♣ T3  
♠ AKQJT  
♥ AK83  
♦ KQ5  
♣ 7  
Vul: E-W

had lost three tricks and was missing the queen of trumps. This deviant player slipped the queen into his pocket and leaned forward so declarer could easily see that his hand only contained two trumps. Declarer finessed his partner for the queen. He pulled the queen out of his pocket and took the trick. He was suspended for three months.

It does not take a peek into the opponents hands to read their cards. In today's hand, the opening lead goes to the ace and the ten of diamonds comes back. South wins and counts eleven tricks with the club finesse so South runs spades. On the third spade, East pitches a club. On the fourth spade, West discards another club and East pitches a low heart. On the fifth spade, West throws a diamond and East plays a club.

At this point, South knows the layout of the clubs. West would not come down to king doubleton of clubs sitting under the AQ. Hence, East has both remaining clubs. The initial plan will not work. Well, South has two choices, either he can try to squeeze or endplay East. South likes endplays better so he cashes two hearts. East plays a low heart and the queen.

South contemplates the queen. The queen is the normal play from QJT so declarer continues by cashing the queen of diamonds. East shows out and pitches the jack of hearts. Well, South has committed. Although the squeeze would have worked, if East is good enough to pitch the queen and jack from QJ9, South will be down two. South exits with his heart and East wins the ten and concedes. Making 5.

You do not want to know the bidding.

Final contract: 5 No Trump  
Opening lead: 7♦

Alan LeBendig told a story on Monday about a player who was defending four hearts. Declarer

## WEEKLY SPORTS RESULTS

Day	Date	Sport	Opponent	Results
Fri.	Apr 5	Baseball	Pomona-Pitzer	1-25
Sat.	Apr 6	Track	Australia National Team, Whittier, Christ College Irvine, Westmont, Masters and So. Cal College	Men: Caltech 173, Australia 128, Whittier 116 CCI 34, Westmont 21, SCC 12 Women: Australia 235, Caltech 76, Whittier 68, CCI 28, Westmont 19, Master's 0
Sat.	Apr 6	Baseball	Pomona-Pitzer (2)	2-21, 3-12
Sat.	Apr 6	Tennis (W)	CSU San Bernardino	7-2
Sat.	Apr 6	Tennis (M)	Southern California College	3-6
Mon.	Apr 8	Golf	Redlands & Occidental	Redlands 433, Oxy 436, Caltech 489
Tue.	Apr 9	Baseball	Pac. Coast Baptist Bible College	19-6
Wed.	Apr 10	Golf	Claremont	CMS 385, Caltech 467
Wed.	Apr 10	Tennis (M)	Occidental	0-9
Wed.	Apr 10	Tennis (W)	Occidental	0-9

## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	Apr 12	3:00 pm	Baseball	Cal Lutheran	Cal Lutheran
Sat.	Apr 13	11:00 am	Baseball	Cal Lutheran (2)	Caltech
Sat.	Apr 13	2:00 pm	Tennis (M)	Claremont-Mudd	Claremont-Mudd
Sat.	Apr 13	2:00 pm	Tennis (W)	Claremont-Scripps	Caltech
Mon.	Apr 15	1:00 pm	Golf	Redlands & Occidental	Caltech
Tue.	Apr 16	3:00 pm	Baseball	Pac. Coast Baptist Bible College	Caltech
Wed.	Apr 17	2:00 pm	Tennis (W)	LaVerne	LaVerne
Wed.	Apr 17	3:00 pm	Tennis (M)	LaVerne	Caltech
Fri.	Apr 19	3:00 pm	Baseball	Occidental	Caltech
Sat.	Apr 20	11:00 am	Baseball	Occidental (2)	Occidental
Sat.	Apr 20	11:00 am	Track	Cal Lutheran, LaVerne & Oxy	Caltech
Sat.	Apr 20	2:00 pm	Tennis (M)	Whittier	Whittier
Sat.	Apr 20	2:00 pm	Tennis (W)	Whittier	Caltech

## Track Beats Aussies

by Ned Bowden

The third Caltech Invitational Track Meet was held last Saturday with competing teams from two continents. The Australian Junior National Track Team (16 to 19 year olds) competed in the meet with Caltech, Whittier, Westmont, Christ College, and Masters.

The star of the 800m race was Ryan Naone. The frosh page boy ran a personal record of 2:08.5. Ryan is doing so well that he will be able to run the incredibly gruesome 1500m race soon and learn about true pain.

Senior John "Speedo" Pham kept up the 150 Chester tradition of running the 5,000 meter race by competing in place of his roommate (Chris claimed to be on a field trip drawing maps, but sources say that he was actually on a treasure hunt looking for gold.).

The weight men continued to be strong. Jeff "Can't Touch Me" Martin threw a javelin 132' 3". Steve Harkness came out and won the shot put with a throw of 45' 5-3/4". Frosh star William "No More Relays" Glenn took second in the shot put and first in the discus.

The sprinters had a fine day despite not being able to see the finish line until 20m away because of the smog. Gary Eastvedt and Bill "No Large Bills" Swanson both jumped higher in the high jump than the height of the average Techer. The 400m hurdles saw Greg Dudey fly away to another excellent time. Rob Whitely led the way for the Tech team in both the 100m and 200m races. When the day was over the Caltech men had won with 173 points.

The women's team took second place behind an impressive Australian team. Emmeline Nananjo flew over the 100m and 400m hurdle races (she won the 400m hurdle race again!). The 1500m race saw a fierce duel between Gretchen Mullendore and Aimee Smith. Aimee led most of the way, but Gretch came from behind with a strong kick to sneak by the Lloyd prez.

Betsy "New Jersey" Barton wins the "Me So Happy" award for running the 1500m race with a smile on her face the entire way. Who said running had to hurt? Jennifer Remine was impressive in the shot put and discus with tosses of 30' 1" and 71' 11" in the respective events.

The women's 4X100m relay team of Naranjo, Gimpel, Hodsen, and Akber set a NEW CALTECH RECORD. They roared around the track in a time of 55.0. Way to go!

Everyone knew the track meet was just a set up for the barbecue afterwards. Dan Bridges invited the Australians (10 men and 16 women) to a barbecue complete with free food and drinks. It was a nice gesture and we owe Dan our thanks.

Many track runners can be seen wearing a shirt from Australia, and the Australians will be wearing t-shirts from Tech, Desert Princess, and one with "sex wax" on it. Stories were swapped about life in Australia, how they came to be on a national team, and what they liked about what they had seen in America (smog was not high on their list).

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