Zug climbs to NCAA nationals

by Jim O'Brien

On a cold, clear, and blustery afternoon at the Oakland Acres Golf Course in Grinnell, Iowa, the NCAA Division III National Cross Country Championships were conducted. North Central College of Naperville, Illinois dominated the men’s 8k race, placing four runners in the top six, including the top two athletes for a record low 32 points. New York’s Cortland State women made a well-paced effort to emerge victorious for the fourth time in the last five years, using a strategy of going out controlled and coming on strong in the second half.

The individual winners were Dan Mayer of North Central in 18:20 and Renae Bluekamp of Calvin College in Michigan with a time of 17:46. Top runners from the Western Region were Matt Newman of Claremont Mudd/Scripps in 25:46 and Becky Kopchik of Occidental in 18:10.

On the men’s side, the teams from the Western Region struggled as none of them ran up to their capabilities. U.C. San Diego (14th), Claremont (17th), and Pomona-Pitzer (31st) all put in game efforts, however. The women’s race had UCSD placing 11th and CMS at 15th, each finishing about as expected.

Caltech was represented at the NCAA National Cross Country Meet for the first time in school history by Andy Zug, who earned his trip to the race by qualifying as an individual at the NCAA Western Regional Meet at Frio Park in Chico last week. Zug placed 16th in a time of 38:11, which is well off his personal best. The initial fast pace by the entire men’s field took its toll on him in the later stages of the race, but he courageously hung in despite a severe side stitch.

"Andy gave it his best shot and I’m proud of his efforts over the entire season," commented Coach Jim O’Brien. Zug says, "the experience at Nationals, competing among the elite Division III runners, only serves to make me more determined to excel in the upcoming track season."

Congratulations on a superb season, Andy!

Quality of Teaching

Present, November 24: Ben McCall (chair), Jon McDunn, Steven Fruutchi, Robert Grubb, Helen Linn, Thomas N. Lee, Joe Lee, Vincent McCoy, Prasanth Sanamalli, and T.A. Tombrillo. Students have been assigned to research various topics regarding the quality of teaching at Caltech. Some of the topics covered will be the effectiveness of the different types of teaching quality questionnaires, the views of students on the various ombuds programs, Nate Rutledge and students who find it difficult to give direct feedback.

Improving Communication


Two sets of goals, one short-term and one long-term, developed from these two meetings. In the short term, a survey to understand why people graduate without research experience will be drawn up. The results of this survey will be presented at the February faculty board meeting, since the focus of the committee will be on improving communications between students and faculty via research experiences. The long-term goals deal with the requirement of faculty for Avery House (for instance, by communicating with faculty members who have had experience interacting with undergraduates, such as advisors), the maximizing of undergraduate research (by increasing undergradu­ate research in the core curriculum, for example, or by encouraging more students to apply for SURFPs, since lack of funding is no longer a significant problem), and the establishment of small group student-faculty interactions based on common interests.

The bust of Robert A. Millikan, masquerading as jolly old Saint Nick, gazes thoughtfully over his watery namaskas as Heide Lippitts polishes his shiny nose.

by Flora Ho

Editor’s note: this article is part of an ongoing series of reports on the progress of several student-faculty committees, starting for the February conference.

Honor System


The South Master Key issue con­stituted the bulk of the discussion. Not only security, but the Honor System and the trustworthiness of students seem to be involved. Pro­posed solutions to the problem of key (and building) over-accessi­bility include changing the locks to a push button lock system (like Rud­dock), creating a new master key (which would involve replacing the tumblers on the door), instituting a card-swipe system (where students use their I.D. cards as key cards). The procedures of the Board of Control were also discussed. Many faculty members do not know how it operates, or what they should do after reporting an infraction. Addi­tionally, committee members talked about the contents of the Synthesis newsletter, which ad­ressed the subject of academic integrity. According to several sur­veys, schools with honor codes have lower incidences of cheating than schools without honor codes, a strong argument for retaining ours.

The results of the ASCIT Bylaw amendment vote

Amendment 1—Clarification of the BOC article Passed (135-35)

Amendment 2—BOC eligibility requirements Passed (143-32)

Please send in your C.L.U.E. reviews to Flora Ho, M.S.C. 217, or by e-mail to flhoa@cco.

Student-faculty committees discuss undergraduate issues
Got any spare time?

The end of first term is nearly here, and a few foolishly office-seekers have already begun thinking about next term's ASCIT elections. The editors have, also—with some concern, as we haven't heard the vaguest rumor that anyone wants to replace us.

Editing this newspaper is hard work. Currently, each of us spends about twenty hours per week on the Tech, and we are always hampered by a lack of material to fill our eight or twelve pages. Each team of editors has tried hard to recruit staff members, but there are never enough interested people.

Our problems have fairly simple causes. First, Caltech is too small and insular to support a big-university-style weekly newspaper. Work can pass here without a single important campus news story. Still, the school needs the Tech, as its sole voice of the students, and the only regularly published publication at the Institute that can print the news when it does happen. Second, Caltech's crushing workload (and perhaps a general apathy) discourages people from spending much time on extra-curricular activities. When Caltech students do make a strong commitment to anything other than their work, it is nearly always to a single activity. If the Tech has to compete with a job for someone's time, it will lose.

No one can improve the first situation, but we think there is an easy way to overcome the second. We suggest that a large group—say, five to seven people—run for California Tech editor. The advantages would be many. Each editor could have a specialised role (e.g., managing editor, news editor, or layout), making production better and more efficient. One of the editors could take a week off without undue strain on the others. Each editor would have more time, collectively, to keep in touch with the writers, photographers, and the business manager improving communication. Most importantly, though, a large editing team would provide an instant, dedicated staff, each of whom would be paid and would feel an overriding responsibility to the paper.

Even with a large team, the Tech will require a lot of work and sacrifice. We do not expect that it will be easy for anyone to find five people willing (or insane enough) to do the job. Still, we hope that our suggestion will inspire someone to assemble some friends and run. We should say, lest it sound like we hate this job, that we do not regret our year as editors. The California Tech editorialship is possibly the most rewarding and effective ASCIT office. We would like to see the Tech improve, and to see next year's editors have an easier time than we have.

Write for the Tech. There's no Tech staff meeting this Friday, so don't let that stop you—there'll be plenty of free pizza next term. The next issue will be out the first week of second term, on January 7. We'll need all the material we can get to fill it, so start writing now.
Angola

Representatives of the Angolan government and UNITA rebels met without their U.N. mediator to discuss conditions of a cease-fire. The U.N. estimates that civil war in Angola kills 1,000 people a day.

Armenia

Armenian forces captured Azerbaijan's last outpost on its southwestern border with Iran. Armenia and Azerbaijan have been fighting for six years over the disputed Nagorno-Karabakh enclave.

Bosnia-Herzegovina

The second attempt to evacuate women, children and the old from Sarajevo was postponed.

Burundi

The government announced that the tribal violence which has broken out between Hutus and Tutsis following the murder of Hutu President Melchior Ndadaye may have caused over 150,000 deaths. The Tutsi-controlled army led an unsuccessful coup against the Burundian government that resulted in the death of President Ndadaye and several of his cabinet members. The violence is the worst that has occurred in Burundi since 1972, when tribal fighting killed 150,000. 800,000 have fled the country: 375,000 to Rwanda, 245,000 to Tanzania and 50,000 to Zaire. U.N. refugee officials said that at least 100 were dying each day on refugee camps. 85% of Burundis are Hutus, while the other 15% are Tutsis. The Tutsis have ruled the country for centuries, and have dominated the leadership at least since 1959.

Columbia

The Columbian government agreed to talk with the family of drug lord Pablo Escobar after the family was denied asylum for centuries, and has dominated the leadership at least since 1959.

The government and UN...
Salomon Brothers

Quantitative Research Analyst

Salomon Brothers is an international investment banking firm that makes markets in securities and provides a broad range of underwriting, financial advisory and research services to governments, corporations, and institutional investors.

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• Analysis of stock and bond market returns and yields
• Analytical systems development.

Qualified candidates will have a B.S. in a quantitative field such as Computer Science, Engineering, Finance, Mathematics, Operations Research, or Statistics. Good analytical and computer skills (C/Unix preferable) are required. Because so much of the analyst’s work involves direct interaction with the Firm’s clients, strong interpersonal, writing and speaking skills are also important. While a background in finance or economics is helpful, we believe that an analyst with exceptionally strong quantitative skills can come to a deep understanding of the financial markets.

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The Quantitative Research Department will be interviewing on campus February 8, 1994

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Salomon Brothers
Research Department
Seven World Trade Center, 37th Floor
New York, NY 10048
Fax (212) 783-4615/4616

Rave Reviews

Michelle’s XXX
by Leo Fontaine

Tuesday at club 7969 (formerly Peanuts), Michelle’s is located at the same bar as Sin-a-matic, and that’s about all the two clubs have in common. O.K., you can wear the same jeans and T-shirt or basic black outfit to both clubs, but don’t dress cheap for Michelle’s. Michelle’s is a topless review aimed at lesbian women and their friends. According to Michelle, more are welcome there “if you respect the clientele.” This policy may change, so ask before you go. The club is a strange cross between Chippenendale’s and a strip bar. The dancers are very attractive women who artfully dance around on the dance floor, and possibly on your lap—for tips, typically $1. At the end of each woman’s set she will dance topless for a while on stage. Once a dancer is topless, state law forbids anyone from touching her, so tips must be thrown. At all times, patrons are forbidden to touch a dancer’s breasts or genitals.

Only the main room is used for this club, and much of the dance floor is reserved for the dancers, so the place tends to get quite rowdy. The patrons tend to get quite rowdy, too—it is not uncommon to hear women yelling “encouraging” comments at the dancers. Apparently, tables can be reserved, and this is recommended. Before, and after the show there is music so that the patrons may dance with each other.

Michelle’s supposedly has some type of membership card that gains you a discount on repeat visits, but this is unclear. I’d recommend asking about the cover, and reserving a table before going. When you go there, if you get there early, you can park on the lot at the club. Otherwise, park on the street nearby. The parking meters aren’t active after 6:00 P.M., so there is plenty of free parking.

Michelle’s XXX, Tuesdays at club 7969 (formerly Peanuts), 7969 Santa Monica Blvd, West Hollywood, (213) 654-0280 or (213) 654-0281. 18 and over.

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REVIEWS

Michelle’s XXX
by Leo Fontaine

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The players. Behind them, two large screens dominated the background. Depeche Mode was in for a big surprise. Depeche Mode made up for the fact that their music effectively "comes out of a synthesizer". It was particularly interesting to see live drumming accompany the band. It was perfectly within their rights to concentrate on newer material.

David Sylvian and Robert Fripp

"The First Day"

This is a great new album from ex-Japan guitarist David Sylvian and erstwhile King Crimson guitarist Robert Fripp. The first few songs blend stylish guitar and funky bass lines reminiscent of 80's-era King Crimson with catchy melodies and a laid-back, yet powerful feel. "Danzur," the second-to-last track, is a seventeen-minute ambient dance piece, and the last track is beautiful, atmospheric Fripp guitar. The sound is conventional enough to appeal to non-prog-rock fans, yet is still a must for any art-rock collection.

Neuewark is Lame

In the cover story of the Nov. 20 issue of Neueswark, they get the name of my high school wrong four times. When a national magazine like this gets the details I know about wrong, it makes me wonder if many of the details I don't know about are wrong, too. For that matter, is their "big picture" in error, also? One can only guess.

Barney and Friends

What's the deal with the immense hatred everyone seems to have for Barney? People forget that Barney is a children's show, and isn't intended for adults. I watched the "P" shows and listened to his album, and they appear just fine for kids' entertainment. Speaking of the Barney album, Rolling Stone gave it their lowest rating (1 star), and noted that the songs were the same length as hard-core punk songs. This is like criticizing a sound effects album because you can't dance to it. They're using the wrong standard. Furthermore more imply that Barney is "brainwashing" today's children. Well, if that means that today's children will grow up to be creative, friendly, and polite, then I'm all for it. It's really sad that the same magazine bashes on Barney and glorifies Scoopy Doggy Dogg.

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THE APOCYPLECTIC VISION OF THOMAS J. LECHNER

MR. METAL'S MOTHER'S BRAIN AND NOT REALLY A SHINY GUY BY TOM LECHNER

FORGOTTEN SHINY FORMULATES A PLAN

"RAII! CAN I RECONSTRUCT MR. METAL'S DEAD MOTHER'S BRAIN?"

PERHAPS I CAN RECONSTRUCT...

MR. METAL WITH THE HELP OF HIS MOST RECENT CORE DUMP.

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PRES MR. METAL AND A SHINY'S SHINY BY TOM LECHNER

"WHAT'S THIS AGAIN?"

I EXPECTED A PROGRAM TO DEAD SHINY RECEIVING A FAUX DEATH Message.

MR. METAL AND HIS DISSTRING'S PSYCHOSIS BY TOM LECHNER

"HEY, MR. METAL. PLEASE DON'T BURN YOUR FINGER OR I ROAST YOUR PET CAT!"

"OH NO!"

"I'M GOING TO SEE SOMETHING FROM HERE!"

"THE END"

WITH $17.50 I SPENT AT RADIO SHACK, I COULD RECONSTRUCT MR. METAL.

JERRY BRINSON

NEAR-SIGHTED

FAR-SIGHTED

ALUMINUM SIDED

NO, NO! GRAB!

AT THE STUFFED ANIMAL RANCH

FROM ACROSS THE ROOM THEIR EYES MET

EUGENE RUBIN

FAR-SIGHTED
Bridge Without Sam
by Jeff Goldsmith

Playing in a Swim team game against questionably-opposed, we are playing badly and losing. Nothing has gone right all day when I pick up the best hand I have ever been dealt.

The opponents do not leave us alone; RHO starts the auction with a weak two in spades. I can see a two-suiter with the clubs by bidding 4♣, but that’s not forcing and my hand is way too good for that, so I start with the only 100% forcing bid I have: 3♣. LHO raises me and partner and RHO pass, so I have to find another bid:

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Everyone seems to be succeeding splendidly, and with a 1- loser hand, I can do it again, so I raise to 5♣. Partner bids 6♦, and I correct to 6♦, hoping to describe a huge red two-suit. I seem to have succeeded, because partner shrugs and bids 6♣. All pass and partner gets a play problem.

West leads a small spade and partner shrugs and bids 3♥ because partner shrugs and bids 5♥. But he shrugs again and bids 4♣, so I raise to 5♣. Partner bids 6♦, and 1 feel I have to do it again, so I raise to 6♣. Partner gets a play and I correct to 5♣. Partner shrugs again and bids 6♠, so I raise to 7♠.

The Caltech Bridge Club meets every Monday night at 7:15 in Old Pasadena. From refugee to the silver screen, from manufacturing, automobiles, and much more: the club is completely run by volunteers or sponsors. Participants may do all, or none, of the events. The rules for any Bridge event are simple: show up, play a little (not really necessary) then eat and carouse. This event is completely free of charge and all members of the Caltech/JPL community are invited. Participants may do all, or part of the event, or can form a relay team with partners. The food and drink will be the usual post-race fare, including the staple of Krispy Treats. Volunteers or spectators who help time the race or generally add to the atmosphere of the race will get all these rewards without the sweat.

In the alley between Fair Oaks & Delacey in Old Pasadena –

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January 3, 1993

The California Tech

Swimming wins two against Whittier
by Some Person

Last weekend, the swim team started the season traveling to Whittier College to compete against the mighty Poets. The men's team was felt into a skeleton crew of five against a Whittier team of nine. The decision to give up the relay points and go after the individual points proved to be the turning point in the women's match.

Whittier took a large lead at the start, only to be reeled in by wins from Jennifer Ogbi in the 1000 and Virginia Leenknecht in the 200 free. When Whittier did post a first place win, Hope Chang and Lada Adamic pushed up into the valuable second and third place points to keep the score close. After the fifth event, Whittier still held on to a 40-34 advantage when Tamara Tulou won the uncontested 3 m diving and jumped up on the starting block to win the 100 yard butterfly. The lady Techers took their first lead in the eighth event, the 100 free, when Ogbi won the race, Adamic placed second, and Chang swam to a fifth. Those points gave Caltech a small margin at 55-50. The lead was taken back when Whittier won the backstroke. Needing to swim back-to-back events, Leenknecht picked up a critical second and third in the 100 backstroke and the 500 free, respectively. Then two wins by Ogbi in the 500 and Tulou in the 1-4 m diving extended Caltech's lead to 80-68. The twelfth event saw Adamic and Chang place third and fourth in the 100 breast, which gave Caltech a slim 85-82 advantage.

Because of the restriction on the number of events an athlete can swim, Caltech did not have anyone to swim in the last event, the 200 free relay. Tension was building as the starter called the relays to the blocks, but Whittier, too, had shot their wad and didn't have anyone to swim, leaving Caltech with a dramatic team victory and a 1-0 record.

"There were so many ways to lose this meet, but the women swam hard for every point and won every close race," said an excited Coach Dodd.

The men had a much easier time taking the lead after event five and, never looking back, posted a 121-81 victory. First place was taken by Jason Hong in the 300 free and the 200 IM. Eric Aanot in 1 m and 3 m diving, Mike Greene in the 500 free, Danielle Martinez in the 100 back, and Chris Buchner in the 400 free. Highlights included the 200 free relay squad of Aanot, Green, Buchner, and Hong posting an excellent time of 1:35.11, just four seconds off the school record.

The swimmers of the meet were Jennifer Ogbi, for her victories in three races, and Jason Hong, who set a lifetime best of 1:53.31 in the 200 free. Hope Chang had earned a shot at a win to swim a solid 2:15.31 in the 200 individual medley.

Homeboy Duathlon This Sunday
by Andrew Zog

Club Homeboy, the hotbed of athletic prowess in Southern California, will hold its traditional fall Duathlon at the Rose Bowl this weekend. Due to numerous requests (two), the race organizers have changed the date of the Saturday that had been announced earlier in this paper to Sunday, December 5. The course will be the same as in past Rose Bowl duathlons and consists of a 5.5 km trail run (~3.5 miles), a 30 km bike (18.3 miles), and a 5 km run on the roads. The race is scheduled to start at 10:00 a.m., but participants should arrive around 9:30 so that they can sign in and be given race numbers. The start of the race will be at the southwest corner of the Rose Bowl parking lot at the corner of Seco Street and West Drive. Anyone requiring transportation to the Rose Bowl should meet in front of the Brown Gym at 9:00.

The rules for any Homeboy event are simple: show up, wear a little (not really necessary) then eat and carouse. This event is completely free of charge and all members of the Caltech/JPL community are invited. Participants may do all, or part of the event, or can form a relay team with partners. The food and drink will be the usual post-race fare, including the staple of Krispy Treats. Volunteers or spectators who help time the race or generally add to the atmosphere of the race will get all these rewards without the sweat.

This duathlon promises to be especially exciting with many great performances expected. One of the front runners will undoubtedly be Jason Hong and he will be seeded by Coach Scott May. In the past, May has been especially powerful on the bike. Nevertheless, he has his detractors, one of whom states that "Scott runs like my Grandma." Also liable to figure in the race is professor John Doyle, and past Homeboy duathlons will undoubtedly be the target of much attention.

Mal duathlons typically charge per entry.) For more information call Andrew Zog at 577-2772.
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ASCIT BOD Minutes November 23
by Karen Shen

Present: ASCIT BOD (minus Ewald Huefmeister, Jr.), Jennifer Trittschuh, Dave Derkits, Tavyn, John Trittschuh, Tatsuya Murase.

New Business
• The California Tech requests a $50 increase in compensation for delivery to the Catalina Apartment Management Compensation Manager’s fee.

The next installment of articles is due to appear in the next Tech. The Director (with support from others present at the meeting) expressed concern over the recent issues regarding the Tech’s editorial modifications in recent articles.

CLUE: For questions go to Editors@ascit.edu, we’re interested in hearing out the editing. Some discussion ensued over the impact of the above opinions to the faculty, perhaps publicizing a tabulation of evaluations could expedite communication between family and students.

Freshman Director-at-Large
• UBOH: Over 400 requests were sent out to faculty and staff, some, over 100 positions for work during the school year/summer, or both, are available. Angie is thinking about getting the UBOH published early second term so as to place jobs with workers for a reasonable part of the school year.

A suggestion was made to possibly publish two this year, one early, one later, for summer job opportunities that might have gotten left out in the earlier version.

Director for Social Activities
ASCIT/GSC Party is Saturday, January 9th, 9:00 at Winnett.

Secretary: Motion to approve Minutes from 11/9 and 11/6 meetings present.

Next meeting will be the last of the term.

ASCIT BOD Minutes November 30
by Karen Shen

Present: ASCIT BOD, Jennifer Trittschuh, Dave Derkits, Brett Warneke, Christian Waite, Chuck Waite, Becky Green, Tatsuya Murase

New Business
• The California Tech requests approval of salaries for Editors and Business Manager for the past four terms.

Approval to move the salaries up for the next term: ($40-$80; Ass and Anndi are late).

• Breakfast on the Pizza Walk with Warneke’s Ride of the Valley—TFM will cater for 11:00. Approximately 20 people will be in attendance. Motion to pick up 1/3 of the cost ($40) approve this. (5-0-1; Ass and Anndi are late).

• The Caltech Tech requests retroactive co-sponsorship of Broomfield Day. The event was $1000, request is for $300. Discussion centers around the unfair sign-up process of rooms and the low time to finish the tournament, controversial referee calls, etc. Overall, there is a genuine appeal of the entire weekend. All those who wish to voice their displeasure are encouraged to attend the next Caltech Y Exec. Room meeting Monday, December 6th, 1993, at noon, in Y Lounge. Motion to censoree the California Tech for this and similar issues if/when the $300 is approved. (5-0-1). In the future, the BOD will not grant requests for retroactive funding.

Old Business
• The California Tech requests a $500 increase in compensation for delivery to the Catalina Apartment Management Compensation Manager’s fee.

The back of the wheel will be broadcasted from the Olive Walk by KKKG at 7:00 AM on Wednesday, December 8th.

Elections Chairman: Everything is on-track; there will be no ballot box in Mark/Braun this time.

Director for Academic Affairs
• Student Faculty Conference: Bylaw election—both proposals passed with over 40% approval. Next term’s election schedule is submitted for review.

Director for Social Activities
• UBOH: Reviews have been sent out—hard copies are to go to Flora and Krista, e-mail reviews to, epee@cco.

• Student Faculty Conference—everything is going well, the second Tech article will be published this Friday. Thanks to the chairpersons of the subcommittees for keeping everyone up to date.

Freshman Director-at-Large
• UBOH—response has been very good. The book(s) will be awesome this year. Flora, Gisela, and Karen will attend the 12/3 Faculty Board Meeting to encourage faculty response.

Upperclassman Director-at-Large
• The old van will be going on sale soon, in one form or another.

Director for Social Activities
• The ASCIT/GSC Party has been changed to January 15th, instead of January 8th so that skiers from Ruddock and Lloyd can partake in the festivities. It will be at Winnett Center, complete with a DJ and band.

Secretary: Sign-ups for Publications Board Directors will be January 11th, 9:00 AM in the MOSH’s Office.

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World News

United Kingdom

A British official released a message showing that the British government has had secret talks with the Irish Republican Army (IRA). Prime Minister British Prime Minister John Major and North Ireland Secretary Patrick Mayhew defended the talks as useful for promoting peace, and said that the talks would continue. Leaders of the Democratic Union Party called for Major and Sir Patrick to resign. John Major and his party had previously said that they would not enter discussions with the IRA.

Former U.S. President George Bush was made a Knight of the Grand Cross of the Most Honorable Order of the Bath, which is continued from page 3 continued from page 5

United States

The Senate approved the Brady Bill, which requires all those buying handguns to wait five days while the police perform background checks—convicted felons, minors, drug addicts and illegal immigrants would not be allowed to buy handguns. The bill also allocates funds to help states improve their computer background check systems and increase fees for federal firearms. The Republicans dropped their filibuster after Democrats promised them a vote in the next session dealing with some Republican objections to the bill.

President Clinton signed the Brady Bill.

President Clinton met with Salman Rushdie, author of The Satanic Verses, a book which many Muslims find blasphemous. Iran was kept blabheous. Iran.

The demands included back salaries for a number of tribemen who were fired from government jobs and an economic development plan for the tribe’s region. The U.S. State Department said that it could not confirm the release.

continued from page 5

Spaghetti

It’s Fun,” by The Dead Boys. A rendition of The Matrix’ “Attitude.” The Sex Pistols’ “Black Leather.” You Can’t Put Your Arms Around a Memory,” by Johnny Thunders. And there’s a bonus track tagged on to the end of Fear’s “I Don’t Care About You.” We haven’t figured out what it is yet.

It sounds like GVR had a really good time in the studio putting all this stuff together. There’s a kind of familial friendliness in the attitude, as if you were in the studio singing along with the band (although I’d be darned if I could hear you.)

P.S. Be careful if you try to buy this. It’s not “in” like Guns ‘N Roses any more.


“You can’t print that!”

The California Tech

Events & Notices

The 1994-95 school year to meet junior and senior undergraduate student. Successful recipients must be enrolled in a civil engineering program, or in a related field as determined by ASDSO, and must demonstrate an interest in pursuing a career in hydrology, hydrogeology, or geo-technical disciplines, or in another discipline related to the design, construction, and operation of dams. Also, a GPA of 3.0 is required. Applications must be received by ASDSO or later than January 30, 1994. Announcement of successful candidates will be made in the spring of 1994.

Applications for the following fellowships are available from Lauren Hofer, Fellowship Adviser. Please drop by her office in Lloyd House in the International Student Programs Office or call 85130 to have an application sent to you or to ask a question.

The Office of Naval Research Fellowship is part of the DOD packet described above. Other fellowships are limited to U.S. citizens who have not yet started graduate school. Doctoral study is one of the following fields: aeronautical/ astronautical engineering, biochemistry, chemical engineering, computer science, electrical engineering, geo-science, industrial engineering, materials science, mechanical engineering, ocean technology, and ocean engineering. Applications must be U.S. citizens. Awards are made for up to 36 months of study. January 19-month deadline.

The U.S. Air Force Laboratory Graduate Fellowship Program is also included in the DOD packet described above. Other fellowships are limited to U.S. citizens who have not yet started graduate school. Up to 30 months of study are within 5 consecutive years may be supported. Study in the following fields will be supported: astronautical engineering, bioengineering, chemical engineering, chemistry and chemical engineering, computer science, electrical engineering, geophysics, geology, oceanography, oceanography, oceanography, and other oceanography. January 19-month deadline.

The Office of Naval Research Fellowship is part of the DOD packet described above. Other fellowships are limited to U.S. citizens who have not yet started graduate school. Doctoral study is one of the following fields: aeronautical/ astronautical engineering, biochemistry, chemical engineering, computer science, electrical engineering, geo-science, industrial engineering, materials science, mechanical engineering, ocean technology, and ocean engineering. Applications must be U.S. citizens. Awards are made for up to 36 months of study. January 19-month deadline.

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The Nuclear Regulatory Commission Graduate Fellowship Program—The NRC fellowship program provides broadly based training for graduate students in health physics, nuclear engineering, environmental systems engineering, materials science, and related specialty areas. Participants must work for NRC at least 20 hours per week for 4 months and must stay for 4 years following the completion of a 5-year Master's program. The application deadline is January 28.

The Rotary Scholarship primarily funds four-year undergraduate or graduate study abroad. Applicants must be an upper-class junior or senior. Students would be able to fund until the fall following their senior year or spring if applying to a Southern Hemisphere country. International students may apply but must not study in the U.S. if applying through the Rotary Education Foundation. Scholarships are for their own country of citizenship. Applicants may apply to any country having a Rotary Club in it. Of course, countries that are not visible from Canada, Brazil, and Maltese Island. Applicants must come from a country that has a Rotary Club. Applicants may not be students of members or employees, nor can their close relatives work for a given Rotary Club. Awards for the 1990-91 year will be worth over $400,000 plus round-trip. Applicants must be able to attend at the intermediate level at the least language of their proposed country. The application deadline is January 1 and all materials should be submitted in Lauren Sorensen, Rotary Scholarship Advisor.

Work Abroad—The Council on International Educational Exchange (CIEE) helps students attending college full time in their home country wish to study abroad for one year the same as cash. Work outside the California/Colorado/Chicago. All Scholarships are ready to help you locate one or more career opportunities in any of these countries. Students can study abroad, but they will be able to come from a country that has a Rotary Club. Applicants may not be students of members or employees, nor can their close relatives work for a given Rotary Club. Awards for the 1990-91 year will be worth over $400,000 plus round-trip. Applicants must be able to attend at the intermediate level at the least language of their proposed country. The application deadline is January 1 and all materials should be submitted to Lauren Sorensen, Rotary Scholarship Advisor.

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Help Wanted—Mathematician, Physicist or Computer Wizard Aggressive investment bank seeks grad students. $1900 weekly. Computer science, physics or other similar field for part-time work. Successful candidates must have high-speed developed computer skills and a high degree of mathematical ability. Excellent compensation and flexible hours. Send resume to Numbers Marketing, 1757 Century Park East, Los Angeles, 90067.

Job Opportunities—International Employment—make up to $2,000-$4,000 per month teaching basic conversational English abroad. Japan, Taiwan, and South Korea. Many employers provide room & board + other benefits. No teaching background or Asian language required. Free information call: (201) 632-1146 ext. 2959.

Services—PhD Psychologist experienced in working with the unique issues of highly intelligent, creative people. Dr. Arlene Stolper, (818) 884-3129.

Scholarship Search Service—undergraduate and graduate students. Access a computerized library of 150,000 sources of financial aid. Scholarship matching based on individual academic interests, career goals, and minority background, skills, talents, etc. Many awards not based on grades or financial need. Only $60 processing fee per term. Scholarships are at www.scholarshipsearch.com. Call (209) 525-9011 or write, Scholarship Search Service, 610 Commonwealth Avenue #230, Boston, MA 02115.

Rates—$4 for first 20 words; $4 for each additional word. Send written all with payment to 45-58 Deadline is 6 p.m., Monday before issue. No charge for on-campus test. 4,000 words.

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485 VESLA LB
- Pentium override ready
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- Canon 101 keyboard
- Logitech mouse, Canon mouse pad
- Energy star compliant (EPSA)
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- Microsoft DOS 6.0 (5 value $55)
- Microsoft Works for Windows (Value $155)
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- Microsoft DOS 6.0

$1399

Fax/Modem
- 14,400 Fax/14,400 Modem (AT&T) $175
- 14,400 Fax/14,400 Modem (Rockwell) $158
- 9600 Fax/2400 Modem (Int.) $59

Tape Backup
- Conner 25MB W/W3M tape

$195
- Conner 4320RT 2GB (Ext.)

$965
- Conner 4320RT 2GB (Ext.)

$1195
- Colorado DJ1-10 120MB

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- Colorado DJ-20 240MB

$195
- Colorado DJ-20 64MB

$155
- Colorado DJ-20 120MB (Ext)

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Monitor
- 14" VGA 1024 (2B)

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- 14" VGA (2B) Non-interlace

$275
- 14" VESA VGA (2B) 72Hz

$295
- 15" VGA (2B) Low resolution $465

- 17" VGA 1024 (2B) $795

This week special
**Events & Groups**

**Swedish Lucia celebration will be held on December 9th.** 5:30 p.m. Dinner at 6:00 p.m. The program includes a collection of familiar Swedish carols and Christmas songs followed by a delicious Swedish dinner. Free for students, $12 per person for faculty. For more information, contact Professor Anna Rooth (395-7245).

**Food and Clothing Drive—It’s that holiday time of the year again!** The Campus Women’s Center is sponsoring a collection of food and clothing to be donated to the local Homeless Shelter. The collection will include clothing for all ages, food, blankets, etc. Gifts are tax deductible and will be distributed to local charitable organizations.

**Banque Baruch—The Caltech Glee Club presents its annual holiday concert, December 7th, 6:00 p.m. Concert will be held in the Fast Company Lounge. Tickets are $15 for students, $20 for faculty. For more information, contact Dr. Donald Callebaut at 395-7245.

**Caltech’s Second Annual Messiah Sing Along—Wednesday, December 15th, 8:00 p.m.** Dr. Donald Callebaut will lead a sing-along Messiah. For more information or to register, contact Dr. Callebaut at 395-7245.

**Museum of Tolerance—A guided tour of the Museum of Tolerance, December 11th, 9:00 a.m.** The Labor History Department is offering a guided tour of the Museum of Tolerance, as a part of its efforts to help students enhance their understanding of the world. The tour is open to all Caltech community members, and the number of available tickets is limited. Contact the Labor History Department at 395-7233 to reserve a ticket.

**Author and Caltech alumna Sheryl Driscoll will discuss her most recent novel, Giny Thompson, at the annual POCAL dinner on December 13th at 5:30 p.m.** The dinner is free for students, and there will be a $5 charge for faculty. For more information, contact Giny Thompson at 395-7245.

**Burger Continental**

**12 December 3, 1993**

| Note: Senator makes new announcements. |

**Notices**

**The Big T is closing its doors!** If you would like to kick back a few burgers before they are gone, stop by on Friday, December 3rd, for the last day of service. The Big T, 7630 El Camino, Pasadena, CA 91103, phone 395-1455.

**It’s time to think about Seminar Pictures for the Big T.** They will be due at 1 p.m. on the 7th, 5471-75, 7th floor of ATHE. Seminar Pictures should be directed to Carlee Hsu, chsu@caltech.edu.

**There will be a ballet danceխoreography in the Office of Undergraduate Admissions.** The performance will be held at 2:00 p.m. in the basement. Guest performers will be the Cha-Cha Panto in 7th floor of ATHE. Guest performers should be directed to Carlee Hsu, chsu@caltech.edu.

**Burger Continental is open every Monday and Wednesday for half price margaritas.**

**Easy Reader’s Digest**

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