Spring Sports Make History

The California Tech

VOLUME LXXXIX NUMBER 24
PASADENA, CALIFORNIA FRIDAY 22 APRIL 1988

SURFs Granted

by Mark Montague

In the tenth year of the SURF program, the number of SURFers is $486,000, as compared to $58,000 in the program's first year. Of this, $150,000 is awarded to individuals and corporations, $74,000 comes from the National Science Foundation, and the remaining $243,000 comes from 103 sponsors at Caltech and JPL.

SURF is having a noticeable effect on the outside world as well. A significant percentage of the projects are related to the Earth's ecology, and another of how whales' migration patterns are related to the Earth's magnetic regions.

This year, the SURF program is $486,000, as compared to $58,000 in the program's first year. Of this, $150,000 is awarded to individuals and corporations, $74,000 comes from the National Science Foundation, and the remaining $243,000 comes from 103 sponsors at Caltech and JPL.

SURF is having a noticeable effect on the outside world as well. A significant percentage of the projects are related to the Earth's ecology, and another of how whales' migration patterns are related to the Earth's magnetic regions.

Pre-frosh Meet Caltech

by Chandra Tucker

It was a busy weekend already, once again, Caltech has been invaded by prefrosh in its annual Women's Weekend for newly admitted students. These prefrosh will be wandering around the campus, talking in the atmosphere, and basically tasting student life at Tech.

The women's pre-frosh weekend essentially is designed to let admitted students see the campus before they make their college decisions. Most arrive Thursday afternoon and stay through Saturday. They stay with hosts—other Caltech women who volunteer their time and room space and, of course, experience, to share with the prefrosh.

During the visit, the prefrosh go to a reception at the Coffeehouse, meet prefrosh and hosts and important people from each house. They also attend classes on Friday (if they wish ... ) and end with an informal breakfast on Saturday.

Among the many people who nominated Lipin for this recognition are students who regard him as the person who inspired them to become leaders. In his sophomore year, Lipin was elected treasurer of Ricketts House and as a junior he became House President. As President, Lipin had the quiet strength and intelligence to guide Ricketts through a difficult process of resolution and reconciliation that preserved the unity of the house.

Lipin's contributions to the campus and local community are numerous. He co-instructs the CPR course taught by the Safety Office, volunteers in the emergency room at Huntington Memorial Hospital and is an undergraduate representative to the new Substance Abuse Prevention Program.

Through his numerous activities, Lipin has demonstrated a desire to help can inspire a person to become active and be a leader in house and campus life.

Developer Hired

by Tony Wittry

The pomp and splendor of the 1988 ASCIT Formal Dance is near. This year's gala event will be held at final exam week on June 16, 1988 from 6:30 to 12:30. Tickets are $40 per couple and will include a grand Athenaeum dinner, reception, and an evening of dancing to the glorious sounds of Scandal.

Anyone who attended last year's event knows the ASCIT Formal is not to be missed. Watch this space for a variety of special deals on tux rentals and floral arrangements. For further information, or to reserve tickets, please contact Tony Wittry 578-9755 or your house social person. Please feel free to contact me for information, but no, I can't help you find dates.
Is it necessary?

by Stephen Lew

When the United States took the initiative and decided to increase its military presence in the Persian Gulf by escorting Kuwaiti oil tankers, it also assumed the risk of becoming an unwilling target in the ongoing Iran-Iraq war. Was this level of intervention necessary? The mission to this date has been a qualified success. There have been 25 successful convoys at the cost of relatively few damaged ships.

The most recent convoy ended in tragedy when the USS Samuel Roberts struck an Iranian mine which blew a nine-foot hole in the ship. Ten crew members were injured in the blast.

This event lead to immediate retaliation by the US: strikes damaging six boats and several oil platforms that were used as weapons bases. Was this level of retaliation necessary?

As the US prepares for more action in the gulf, we must ask “is damaging six boats and several oil weapons bases. Was this level of ongoing Iran-Iraq war. Was this have been 25 successful convoys at have been a qualified success. There presents an opportunity for invit­

letters

Sexism

To the Editors:

Is the Mission Office sexist? This year’s prefrosh weekend has a record number of young women in attendance. Prefrosh Weekend presents an opportunity for invit­ed female applicants to get a taste of life on campus. While they are here, young women will be treat­ed to:

1) Reimbursement of half of their plane fares.
2) A dinner at the Athenaeum.
3) Social activities in the student houses that correspond partially by the Admissions Office.
4) Breakfast Saturday morning be­fore leaving beautiful Caltech.

Male applicants are not even in­vited to this weekend nor do they have a prefrosh weekend of their own. When these young men do visit the campus, are their plane fares subsidized? Do they eat at the Aths? Are there special House so­cial events arranged on their behalf?

Certainly we try to maintain a non-sexist atmosphere at Caltech.

Last year, mailings were sent to all undergraduate students reminding them that sexism will not be toler­ated at Caltech. Is prefrosh weekend consistent with this policy?

The objective of prefrosh weekend is to give our prospective students a chance to experience life at Caltech. However, during this weekend, the prefrosh are presented with a situation which is far from typical. The administra­tion should have the discretion for the applicants to present a realistic view of life on campus. Certainly the spirit of the Honor Code has been violated.

We are by no means against having more young women come to Caltech, but this preferential treatment to entice them to come is unwarranted. To offer a construc­tive solution we suggest that the Administration treat the male and female applicants equally and adopt a laissez faire policy toward the sex of the student houses when the prefrosh visit our lovely campus. Hopefully this will make the prospective students of Caltech as much of an untainted view as possible.

Sincerely,

Miri Zhou & Andrew O'Dea

by Stephen Lew

In 1914, the United States entered the First World War on this premise. By laying mines in the Persian Gulf, it has been shown that it is not a responsible member of the world community. To turn a blind eye to this situation would be akin to letting a known mass murderer loose in a preschool.

A “eye for an eye, tooth for a tooth” policy should be shown to be an in­effective in dealing with the current government of Iran. The United States must take a firm stance against the actions of Iran, if the United States continues to be a target in the war, perhaps a heavy dose of “negative reinforcement” is what will provide the cure for the situation.

Three Houses Receive New RA’s

Three houses experienced rota­tion in April, although it wasn’t students who were rotating. In­stead, Resident Associate (RA) candidates rotated around Fleming, Lloyd, and Ruddock. Thursday, the new RA’s were selected based on house selections and candidates’ preferences.

Replacing William and Lynn Carr Healey in Fleming are Barry Krueger and Anita Harper. Krueger comes from the University of Pennsylvania and is a graduate student in Materials Science. Harper is a registered nurse.

Bruce Patton will be taking the RA position in Lloyd, where

by Eric Fung

Jureen and Nancy Giezen used to reign. Patton did his undergraduate work at Brandeis University and is working with Dr. Mary Kennedy in the Division of Biology. Patton said he was interested in being in RA because he enjoyed the originality and energy of the undergraduates here.

In Ruddock, Ed and Amy Callaway will be giving a credit offer to Charles Rubin and Meghan Miller. Both are working in geology. Rubin is doing his graduate work while his wife is a post-doctoral fellow. Rubin comes from Calgiute University and Miller did her undergraduate study at Yale followed by graduate study at Stan­

pected, Caltech SURFers Keith Rosema and Kyusun Yun won awards for the best presentations, and Keith also won an award for the best paper on the physical sciences. Caltech will be hosting this conference in 1990.

Also, Gerard Wong won the Apker award from the American Physical Society for outstanding research as an undergraduate for a project that started as a materials science SURF, which he continued in his senior year.

This year’s SURFers will be in­volved in SURF seminar day on October 15th, as well as weekly seminars and bi-weekly round tables over the summer.

With 156 SURFers this year compared to 147 last year and 18 in 1989, the SURF program is still growing, and it will certainly continue to make great impact on the undergraduates for years to come.

SPERM DONORS NEEDED

Earn up to $105 per week. University students only. Area’s largest sperm bank.

Call: (213) 553-3270.

California Cryobank, Inc.

2080 Century Park East #306

Los Angeles CA 90067

Sat. 9-6, Sun. 9-5

The couple wanted to interact more with other students and to meet people with different interests.

braun too will be receiving new RA’s. Elliot and Mia Fried. Elliot, who did undergraduate work at UC Berkeley, is a graduate student in Applied Math. Mia works at a

Production

Brian Colder • Marla Collett

Volume LXXXIX • Number 24

The California Tech

FRIDAY 22 APRIL 1988

BUSINESS

Jonathan Chow

CIRCULATION

Michael Keating

Phone: (818) 356-6154

Published weekly except during examination and vacation periods by Associated Students of the California Institute of Technology. The opinions expressed herein are strictly those of the authors.

Letters and announcements are welcomed. All correspondence should include the author’s name and phone number and the intended date of pub­lication. The Editors reserve the right to abridge and edit letters for expe­dience, style, or length.

Turn in preferably by an email, WordStar-formatted (floppy disk) to the tech office mail­box, room 40A in the SAC. The deadline for copy is Wednesday at 5 pm; for announcements, Tuesday at 5 pm. Late copy may not be printed even if prior arrangements have been made with the editors.

Subscription requests should be directed to the business office mail­box, room 40A of the SAC. Mail orders and new subscriptions (97) should be sent to: The California Tech, 114-4411

The California Tech

ENTERTAINMENT

Andrew Hsu

PHOTOS

Alex Anthisanoua

ANNOUNCEMENTS

Josh Kurutz

SPORTS

Scott Kister

Published weekly except during examination and vacation periods by Associated Students of the California Institute of Technology. The opinions expressed herein are strictly those of the authors.

Letters and announcements are welcomed. All correspondence should include the author’s name and phone number and the intended date of pub­lication. The Editors reserve the right to abridge and edit letters for expe­dience, style, or length.

Turn in preferably by an email, WordStar-formatted (floppy disk) to the tech office mail­box, room 40A in the SAC. The deadline for copy is Wednesday at 5 pm; for announcements, Tuesday at 5 pm. Late copy may not be printed even if prior arrangements have been made with the editors.

Subscription requests should be directed to the business office mail­box, room 40A of the SAC. Mail orders and new subscriptions (97) should be sent to: The California Tech, 114-4411

The California Tech

ENTERTAINMENT

Andrew Hsu

PHOTOS

Alex Anthisanoua

ANNOUNCEMENTS

Josh Kurutz

SPORTS

Scott Kister

Published weekly except during examination and vacation periods by Associated Students of the California Institute of Technology. The opinions expressed herein are strictly those of the authors.

Letters and announcements are welcomed. All correspondence should include the author’s name and phone number and the intended date of pub­lication. The Editors reserve the right to abridge and edit letters for expe­dience, style, or length.

Turn in preferably by an email, WordStar-formatted (floppy disk) to the tech office mail­box, room 40A in the SAC. The deadline for copy is Wednesday at 5 pm; for announcements, Tuesday at 5 pm. Late copy may not be printed even if prior arrangements have been made with the editors.

Subscription requests should be directed to the business office mail­box, room 40A of the SAC. Mail orders and new subscriptions (97) should be sent to: The California Tech, 114-4411

The California Tech

ENTERTAINMENT

Andrew Hsu

PHOTOS

Alex Anthisanoua

ANNOUNCEMENTS

Josh Kurutz

SPORTS

Scott Kister

Published weekly except during examination and vacation periods by Associated Students of the California Institute of Technology. The opinions expressed herein are strictly those of the authors.

Letters and announcements are welcomed. All correspondence should include the author’s name and phone number and the intended date of pub­lication. The Editors reserve the right to abridge and edit letters for expe­dience, style, or length.

Turn in preferably by an email, WordStar-formatted (floppy disk) to the tech office mail­box, room 40A in the SAC. The deadline for copy is Wednesday at 5 pm; for announcements, Tuesday at 5 pm. Late copy may not be printed even if prior arrangements have been made with the editors.

Subscription requests should be directed to the business office mail­box, room 40A of the SAC. Mail orders and new subscriptions (97) should be sent to: The California Tech, 114-4411

The California Tech

ENTERTAINMENT

Andrew Hsu

PHOTOS

Alex Anthisanoua

ANNOUNCEMENTS

Josh Kurutz

SPORTS

Scott Kister
**Glee Club Sings**

by Carmen Shepard

On Wednesday, 13 April, the Women’s Glee Club performed at the Women’s Choral Festival at Loyola Marymount University. The Glee Club, conducted by Monica Hubbard, performed four pieces: Hasler’s “Come All Musicians,” Isbin’s “Abendlicht” and “Ich Wolf”, “Moin Liebe,” and “Noi Siamo Zangarelle” from Verdà’s La Traviata.

The Women’s Choral Festival is held each year in Loyola’s Sacred Heart Chapel, a wonderful place to sing. The acoustics are tremendous. (Perhaps the building has some available for singing influences the quality of the singing; Loyola’s choirs always sound magnificent as well.) Several colleges and high schools participate. This year, the eleventh festival, seven schools performed, three high schools (Holy Family High School, Notre Dame Academy, and Saint Pius X High School) and four colleges (Catholic, CSU Long Beach, CSU Northridge, and Loyola Marymount). USC had planned to come but could not make it this year.

At 7:30, after each choir had tried out the acoustics in the chapel, the performances began. The order was chosen by lot, with the exception of LMU which traditionally goes last, to end the evening with a bang. Caltech drew the fifth spot. Long before then a major difference between Caltech’s Glee Club and all other choirs became apparent. While the Caltech Women’s Glee Club had about twenty-five singers at the festival, the number of the other choirs had upwards of forty-five; Loyola had about sixty singers. This makes us more determined to recruit for next year, starting with the pre-fresh but including anyone around next year.

On May 21st the Caltech Glee Club will give their Spring Concert; come, listen, and decide to perform next year instead of merely listening.

**Guitarjam Plays Tech**

by Curtis Ling

Combining fusion guitar picking with smooth, flowing technicalities and precise bossa nova rhythms, Guitarjam shaped the air with its versatile and textured sounds at Beckman Auditorium last Saturday. The group is directed by Sharon Isbin, and includes Larry Coryell and Laurindo Almeida as the other two members in this guitar trio. Isbin is famous for winning several international competitions, touring Europe as a youth, and for her performances in countries such as Canada, New England, South America, Japan, and Israel. For those of you who keep close track of the jazz and fusion scene, Larry Coryell should be a familiar name. In addition to his own composition work, he has played with John McLaughlin, Chick Corea, Charles Mingus, and Gary Burton. Brazilian artist Laurindo Almeida is responsible for helping introduce the sounds of bossa nova to the United States, through his leading roles in sound tracks such as A Star Is Born, The Godfather, and Camelot. Partly because of this and also his work with the Stan Kenton Orchestra and the Modern Jazz Quartet, he was awarded the Grammy award five times.

The repertoire of the evening included trio arrangements of works such as a piece by Raddames Giattali and arranged by Almeida, “Jero, Jean of Man’s Desiring,” by J. S. Bach, and original music by Coryell and Almeida. In addition to the first five trios and duets by all combinations of the three artists, the group presented the artists individually. I was particularly impressed by Isbin’s solo of Asterias, written Isaac Albenez and arranged by Andrea Segovia. It did a magnificent job of displaying her exceedingly fine finger picking control and dynamic range as well as speed and agility on the fretboard.

While I enjoy a wide range of jazz and fusion, I was surprised by the potent combination of musical styles, quite different from say, the Dimeola-McLaughlin-De Lucia trio on Passion, Grace and Fire. The guitars emphasized the contrast styles rather than the combination of similar techniques and sounds, and each player in the trio covered specific roles. For example, Almeida would lay down a solid groove, providing rhythm for Isbin, and Coryell, who traded solo/melody with supporting rhythm and provided highly contrasted fingerpicking and picking sounds. In addition to this, music arranged by the artists themselves moved between the classical, jazz, Spanish, and bossa nova genre with a fluidity and grace that makes this group quite unique.

**Tubular Rock**

by Mark Montague

Being the only person with a TUBES sticker on my car in Blacker House, er on Campus, er, well, in Pasadena and maybe all of LA, I feel obligated to report on the TUBES’ impressive show at the Strand in Redondo Beach last Thursday. I think that the Tubes are a fantastic band for small shows such as this one, and the Strand show reinforced this idea. It also proved to me that the Tubes have a dedicated following in LA much like their devoted San Francisco fans.

Thursday’s show was an outstandingly spirited club band act, carried out with professional quality but a classic Tubes casual style. It reminded me of the Tubes’ performance last Friday.

In any case, the “Boy’s Rap” confirmed that the rest of the Tubes Group is still in operation—Bill Spooner provided the vocals while the “mystery guy” wasn’t singing, and the boy’s sound was certainly preserved despite the lack of Fee Waybill’s vocals by the rest of the band.

The Tubes’ potency was, in fact, very impressive and typical of their shows. Bill Spooner was the one who did most of the talking, and acted as the lead character for the most part, and his guitar along with Roger Steen’s provided a well-practiced exchange of guitar riffs.

Please see TUBES, p. 4

**Margaret Jenkins at UCLA**

by Andrew Hsu

With Margaret Jenkins being one of the leading innovators in the modern dance scene, I approached the performance of her dance company at UCLA with a great deal of enthusiasm. While I was quite unfamiliar with dance, except for a one act opera performed in conjunction with the Paul Drucker Ensemble. In this opera, the dancers embodied characters that came from recent news papers and showed how these dissimilar characters could interact and converge forming an “accidental community.” While the dancers were busy expressing their ideas about the interaction and combinations of the characters, Rinde Eckert provided the narration of a writer/traveler that somehow “merged and shared thoughts.”

While my main reason for attending the dance concert was to see the live performance of Shelf Life, the other two operas proved to be quite interesting also. Unlike Shelf Life, the choreography and set of the last two pieces seemed much more effective in displaying the ideas and music of the Miss. Jenkins.

The first of the two pieces was Georgia Stone. Composed by Yoko Ono, the music had a very haunting and evocative feeling reminiscent of early compositions by Orchestral Manoeuvres in the Dark. One audience member commented that the sets reminded him of a nuclear reactor while I felt that the performance symbolized a futuristic nuclear Armageddon.

The last piece was titled “Deadly Steal” and was the only piece in which Ms. Jenkins performed in the piece herself while the drama of the West and capitalized heavily on a backlit and forward-lit screen. It was in this piece that the choreography and rhythms best expressed the motifs presented in the soundtrack.

While seeing the Margaret Jenkins Dance Company perform Shelf Life, the concert proved to be quite educational, showing me how dance, just like music, could be used as a means of communicating ideas.

**International Fair**

Caltech’s First Annual International Fair will take place on Friday, May 20 in front of the Winnett Student Center. The Fair will feature an open-air dinner with food from many nations, live entertainment, and various cultural and artistic displays.

In order to have a successful International Fair, we need the input and assistance of many members of the Caltech community. If you come from a foreign country and would like to cook an ethnic dish, display your cultural heritage, or just like to help, we encourage you strongly to attend the next organizational meeting, which will be held on Monday, April 25, in the Student Activities Center, Clubroom A, at 7:30PM. Refreshments will be served. For more information, please contact Bassem Mora at 578-9344.
**The Inside World**

This week's Inside World was brought to you by: Blacker: HERES YOUR BIG CHANCE! Ever looked at the Inside World and thought "Gee, that's really lame" or "I could write a better Inside World this week"? Well this is your big chance to show everybody what you're made of. So, if you have any interest in what the Inside World is about, I will focus the following part of this issue to introducing you to the Inside World.

**Blacker ROYCE OFFICIAL DO-YOURSELF INSIDE WORLD KIT**

Well, it's been another very, very good week in Blacker House and will, and they're almost, and they became in and with tuna today.

_________ made an interesting discovery about Gummi Bears, and_________ , , and her prefroshings of everywhere in Blacker House. We played into the . There we and

Blacker: HERE'S YOUR BIG CHANCE!

**ODE TO HEAD BANGING (the head banger)**

Of moon-bleached shades of grey and black,
A Metal-Demon's aural fest:
And finally the housequote of the week is "_

**The Ass Tea is becoming more and more of a_ with each passing day._

The reason that there are so many Mormons in Blacker House is

**CONSUMPTIVE (Foot)**

Of moon-bleded shades of grey and black,

**REFLECTIONS (anonymous)**

With a brain no larger than a dried pea.

It's really quite sad.

Dr. Kawamoto: hero always will be

(He was so happy.)

**Oscars alone cannot render your glory.**

The perfect virtuoso of the dismal story

With you for contrast, what is there to fear?

Make me envy your stage-screen princes.

Life's pain is real, and must reign free.

Vanity is seductive but only a lie.

REFLECTIONS (anonymous)

We Live For Those We Love And Die.

behind those sheets. I've been told that please see INSIDE WORLD, 3:30 p.m. Sunday ....

**In the Far Future:**

Robert Smith at the Forum on Tuesday, June 14. Tickets go on sale May 15 at the Wiltern Auditorium .... AND FINALLY ... The Ahn, with special guests Robert Dylan, Sunday, July 31, at the Pacific Amphitheatre. Tickets go on sale May 15 at outlets at 10 a.m. on Sunday ....

- Ian Dutton and Andrew Hsu

**Tubes, cont'd.**

This was augmented by Rick's keyboards, and, of course, Patrice Prince's high-power drumming.

The Tubes played all of the old standards of Tubedom, including "She's a Beauty," "Talk To Ya Later," "Smash Girl," "Remote Control," and, of course, "White Punks on Dope." They also did less nationally known but equally Tubes-like songs such as "Attack of the Beef Tongue," and "What Do You Want From Life," and a cross between "I Don't Want to Wait Anymore" and "They Kicked Me Out of the Band," which was dedicated to Fee Waybill with the words: "Well, he decided to go to New York, so we said 'Bye.'" In the spirit of the Tubes show, they performed "Rock and Roll Hospital" with the official guitar for that song, and also they did a "Scar Search" to find the most interesting/ugly scams in the audience. A teenage boy was disappointed, though, that Patrice Prince didn't play a long drum solo as he's typically done in the past.

All in all, though, I felt that the Tubes show at the Strand typified the role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.

Preston Smith and the Crocodile opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I am an avid rock fan. I look forward to seeing him again, since, apparently he's getting big in the LA club scene.

The band at the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their role as a classic club act. I recommend seeing them, and I plan to see them again at every opportunity.
Ricketts: Hi Prefresh! Welcome to Caltech! And welcome to the Ricketts House Inside World. As you wander through Ricketts House wondering if Caltech is the place for you, don’t be shy. Ask us questions! Like- how do we like Caltech? Or- how many bicycles can fit in Mark Lytell’s room? There are many sights to see during your stay at Caltech. Be sure not to miss Randy’s rendition of “Poisoning Pigeons in the Park”. Its worth screaming for. And come out at night to see Mark Lytell, John Rag并通过朋友骑自行车到头附近阿什。如果找到为什么他们这样做，说，好吧。我们要么是真想知道。展示我们的他的态度，要么是说“杂乱无章?”或者给你一个机会体验SAC。但不要担心，我们会远离你，远离你的这种令人愉快的享受。你和我们希望能看到你。”

Well, it’s been a whole year since Jason and Drew tried to guess the name of a short entitled prefresh and for some reason couldn’t do it. There aren’t that many different girl’s names, are there? A curious fact: all of the Ricketts prefresh from last year are now living in Ricketts. This year I hope Brian will restrain himself and not spit milk all over the prefresh. That sort of thing isn’t really encouraging.

Events: John Beanhead’s favorite senior rang the breakdram Monday night and confused the heck out of a lot of people. Those who watched the pre-foil show saw Johnson and Karena running at full speed away from Davelee, and Johnson and Karena stopping suddenly and only the upperclassmen who could make it before the upperclassmen who could possibly catch them. If you know what you’re doing.)

Ruddock: Top 10 things Wayne has seen through the hole in his wall:

1. Disappearing Frank ball trick
2. Disappearing beach ball trick
3. Disappearing ping pong ball trick
4. Bets and Kathleen playing naked resister fister twister with his sister
5. A Random Party this weekend so show up and be random. TWBM also this weekend. And Midterms next week! Everyone have fun.

BLOOM COUNTY
by Berke Breathed

More Inside World

NEW ROOMMATE

There once lived a Prater named Jack. Whose cap thought his front was his back just as Spud is so lean. He can hardly be seen.

Gazelle-like he bounds round the track.

Ricketts: Hi Prefresh! Welcome to Caltech! And welcome to the Ricketts House Inside World. As you wander through Ricketts House wondering if Caltech is the place for you, don’t be shy. Ask us questions! Like- how do we like Caltech? Or- how many bicycles can fit in Mark Lytell’s room? There are many sights to see during your stay at Caltech. Be sure not to miss Randy’s rendition of “Poisoning Pigeons in the Park”. Its worth screaming for. And come out at night to see Mark Lytell, John Rag

Well, it’s been a whole year since Jason and Drew tried to guess the name of a short entitled prefresh and for some reason couldn’t do it. There aren’t that many different girl’s names, are there? A curious fact: all of the Ricketts prefresh from last year are now living in Ricketts. This year I hope Brian will restrain himself and not spit milk all over the prefresh. That sort of thing isn’t really encouraging.

Events: John Beanhead’s favorite senior rang the breakdram Monday night and confused the heck out of a lot of people. Those who watched the pre-foil show saw Johnson and Karena running at full speed away from Davelee, and Johnson and Karena stopping suddenly and only the upperclassmen who could make it before the upperclassmen who could possibly catch them. If you know what you’re doing.

Ruddock: Top 10 things Wayne has seen through the hole in his wall:

1. Disappearing Frank ball trick
2. Disappearing beach ball trick
3. Disappearing ping pong ball trick
4. Bets and Kathleen playing naked resister fister twister with his sister
5. A Random Party this weekend so show up and be random. TWBM also this weekend. And Midterms next week! Everyone have fun.

BLOOM COUNTY
by Berke Breathed

More Inside World

NEW ROOMMATE

There once lived a Prater named Jack. Whose cap thought his front was his back just as Spud is so lean. He can hardly be seen.

Gazelle-like he bounds round the track.
Baseball History!!!

by Brian Colder

For the first day of practice, it was obvious to everybody that something was different for this year’s baseball team. The pitching was just a little stronger than in the last couple of years, a lot of start­
ers were coming back that could play good defense, and the offense showed a lot of promise. Last weekend the team finally managed to put all three ingredients together, and the Beavers made (recent) his­
tory with their first league win in six years, during the first game at Pomona­Pitzer. The manner in which Caltech won the game showed that they had finally ar­
rived as a legitimate SCIAC base­
ball member.

After being down by 5-0 at the end of five innings last Saturday, winning pitcher Brian Colder held Whittier scoreless for the rest of the game, enabling Caltech to come back. The first burst of offense came in the fifth inning when Doug Roberts tripled, scoring two runs. Roberts scored on Colder’s single.

The winning run came in the bottom of the eighth when Pete Bowditch, scoring on a ground ball by Jeff Flint. This gave Caltech a long edge on the game and set up the final outcome for the Beavers.

Despite this loss, our team had an­
other extremely strong performance when they came back and defeated league rival Redlands 9-0. What made this victory especially dominating was the fact that not only did no Caltech player lose a match, but none lost even a set while ousting the Bulldogs.

For those of you who haven’t been to our games this year, this weekend was a spectacular match in so many ways for Caltech. Playing for the first time since spring break in the number one singles slot (She’d been playing at 2nd or 3rd singles while recovering from an illness), Carol Choy defeated Lisa Cozad 6-3, 7-5. Laura Hernandez posted a shutout victory in the first game of the three game series against Whittier, Caltech jumped out to a 5-2 lead after five innings thanks to the strong play by Roberts and Keating. Keating was on base four times in the game and Roberts was steady both offensive­
ly and defensively for the Beavers.

The wheels came off the cart, however, in Whittier’s half of the fifth when they scored seven runs. The Beavers had announced its presence as a team to be reckoned with.

One of the main concerns of the day was that the Beavers were one game away from setting a new SCIAC record since 1972, and you can already see the throaty cheers of Caltech fans’ voices in your head. The team had a chance to better every record since 1972, and you can help by coming out and cheering on our boys.

Tennis Records Shutout

by John Haba

History was made last Saturday by the women’s tennis team, also. The team recorded its first shutout ever, defeating league rival Red­

lands 9-0. What made this victory be a day in which everything went in the Beavers’ favor, including the elements. As the team arrived at Redlands, the clouds parted, the skies brightened and the gods of tennis smiled down upon Caltech.

It was a spectacular match in so many ways for Caltech. Playing for the first time since spring break in the number one singles slot (She’d been playing at 2nd or 3rd singles while recovering from an illness), Carol Choy defeated Lisa Cozad 6-3, 7-5. Laura Hernandez posted Caltech’s most crushing win of the day, as she hammered Krista Waters 6-1, 6-1. In her first match back from an illness, Jane Seto was not rusty at all, pounding Sarah Bowditch 6-1, 6-4.

At fourth singles, Jennifer Low, who began the season as the sixth seeded player, continued her impressive season by beating the hard-to-pronounce Boihan Huynh 6-2, 6-0. Linda Schlaeuter surpris­
ingly held her considerable vocabu­
luary intact check despite the lack of a referee at the match. She easily won 6-3, 6-2 over Kris Lerosien. And Carol Mullenax strengthened her way to a pair of 6-3, 6-2 victories against Annie Heppenstall.

Despite their decisive single wins, the word “shutout” stood out in the minds of every Caltech player. A shutout would not only devastate Redlands, but would send a message to the rest of the confer­

ence that Caltech’s women’s tennis team is a dangerous force to be reckoned with in the future. A major obstacle in their path was Redlands insertion of Anna Le, sister to one of Caltech’s own men’s tennis superstars (Anh Tuan Le), into their second doubles tandem with Sarah Bowditch. Fortunately for Caltech, the hot rockets of Her­

nander and Schlaeuter overcame the Le family magic as Laura and Lin­
da won 6-3, 6-2.

Comeback players of the year Carol Choy and Jane Seto played well together while taking out Cozad and Waters 6-4, 6-4. Final­
ly, the deadly M&M duo of Carol Mullenax and Junko Munakata provided Redlands with its only do­
nut of the day in a 6-2, 6-0 win over Huynh and Lerosien.

Thus the day ended in a 9-0 tri­
umph for Caltech, the first shutout ever in Caltech’s women’s tennis his­

tory. With a smile and a tip of their

rackets, Coach Giny Marum and

an exciting new season.

WEEKLY SPORTS CALENDAR

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Time</th>
<th>Sport</th>
<th>Opponent</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fri.</td>
<td>4-22</td>
<td>10:00 am</td>
<td>Track</td>
<td>Pomona-Pitzer Invitational</td>
<td>Pomona-Pitzer</td>
</tr>
<tr>
<td>Fri.</td>
<td>4-22</td>
<td>3:00 pm</td>
<td>Tennis</td>
<td>Tenis (M)</td>
<td>Caltech</td>
</tr>
<tr>
<td>Fri.</td>
<td>4-22</td>
<td>3:00 pm</td>
<td>Tennis</td>
<td>Tenis (M)</td>
<td>Caltech</td>
</tr>
<tr>
<td>Sat.</td>
<td>4-23</td>
<td>11:00 am</td>
<td>Baseball</td>
<td>Pomona-Pitzer</td>
<td>Pitzer</td>
</tr>
<tr>
<td>Sat.</td>
<td>4-23</td>
<td>11:00 am</td>
<td>Baseball</td>
<td>Pomona-Pitzer</td>
<td>Pitzer</td>
</tr>
<tr>
<td>Sat.</td>
<td>4-23</td>
<td>11:00 am</td>
<td>Baseball</td>
<td>Pomona-Pitzer</td>
<td>Pitzer</td>
</tr>
<tr>
<td>Sat.</td>
<td>4-23</td>
<td>11:00 am</td>
<td>Baseball</td>
<td>Pomona-Pitzer</td>
<td>Pitzer</td>
</tr>
<tr>
<td>Mon.</td>
<td>4-23</td>
<td>All Day</td>
<td>Golf</td>
<td>Pomona-Pitzer</td>
<td>Pitzer</td>
</tr>
<tr>
<td>Wed.</td>
<td>4-27</td>
<td>3:00 pm</td>
<td>Tennis</td>
<td>Tenis (W)</td>
<td>Caltech</td>
</tr>
<tr>
<td>Fri.</td>
<td>4-29</td>
<td>12 noon</td>
<td>Track</td>
<td>Pomona-Pitzer</td>
<td>Caltech</td>
</tr>
<tr>
<td>Fri.</td>
<td>4-29</td>
<td>10:00 am</td>
<td>Track</td>
<td>Pomona-Pitzer</td>
<td>Caltech</td>
</tr>
<tr>
<td>Sat.</td>
<td>4-30</td>
<td>12 noon</td>
<td>Tennis</td>
<td>Tenis (W)</td>
<td>Caltech</td>
</tr>
<tr>
<td>Sat.</td>
<td>4-30</td>
<td>All Day</td>
<td>Track</td>
<td>Pomona-Pitzer</td>
<td>Caltech</td>
</tr>
</tbody>
</table>

HOPE AND GLORY

Golden Globe Winner-Best Picture

ESQUIRE

2670 E. Colorado Blvd. (818) 793-6149

EXCLUSIVE

Sat-Sun 1:50, 5:10, 7:30, 9:50 pm

Fri-Sat 7:30, 9:50 pm

LAEMMILE THEATRES

COLORADO

2588 E. Colorado Blvd. (818) 796-9704

Sun-Sat 1:50, 5:10, 7:30, 9:50 pm

Sat-Sun 1:50, 5:10, 7:30, 9:50 pm

THE LAST EMPEROR

Mon-Fri 7:30, 9:50 pm

License #456757

Special discounts to Caltech community
Defeated both Caltech teams. The Meet results are not available because of millions of loyal Caltech fans, the team could not pull ahead in the second half as it had planned.

Unfortunately, though the game started at 3:00, most of the Caltech team was still asleep when they arrived on the field, letting the Spin-offs get 3 easy goals in the first 20 minutes. Finally Carmen Shepard, playing the position of center full-back, got the team in gear and sent several successive shots up to the front line, where Lynn Hilderman, Terri Engelhard and Chandra Tucker fought to keep the ball in the other half of the field. The half-backs, consisting of Bibi J-N, Sue Gerhart and Robin Thegrad student, supported the frontline in this onslaught, resulting in many shots on the enemy goal.

Invigorated by this goal, Caltech continued its strong offense, resulting in Lynn scoring the next goal with a powerful attack from the frontline. The efforts of these two goals tired Caltech slightly and the Spin-offs edged another ball past Betsy "Good Eyes" Andrews into the goal just minutes before halftime.

The score stood at 4-2 through the second half due to Caltech's strong defensive line. Dee Morrison and Junko Munakata faced tough Spin-offs forwards time and time again as that team tried unsuccessfully to break through the Caltech line.

The Women's Soccer Team will play its final game for this season against the Misfits at 3:00 on Sunday and join the millions of Caltech soccer fans to cheer the team on to victory.

---

**Soccer Team Scores**

by Bibi J-N

Last Sunday the Women's Soccer Team broke a nonscoring streak, which it has been fighting most of the season, to score 2 goals against the Spin-offs in a close game which unhappily ended in another sad defeat for Caltech. Despite the cheering of millions of loyal Caltech fans, the team could not pull ahead in the second half as it had planned.

Unfortunately, though the game started at 3:00, most of the Caltech team was still asleep when they arrived on the field, letting the Spin-offs get 3 easy goals in the first 20 minutes. Finally Carmen Shepard, playing the position of center full-back, got the team in gear and sent several successive shots up to the front line, where Lynn Hilderman, Terri Engelhard and Chandra Tucker fought to keep the ball in the other half of the field. The half-backs, consisting of Bibi J-N, Sue Gerhart and Robin Thegrad student, supported the frontline in this onslaught, resulting in many shots on the enemy goal.

Invigorated by this goal, Caltech continued its strong offense, resulting in Lynn scoring the next goal with a powerful attack from the frontline. The efforts of these two goals tired Caltech slightly and the Spin-offs edged another ball past Betsy "Good Eyes" Andrews into the goal just minutes before halftime.

The score stood at 4-2 through the second half due to Caltech's strong defensive line. Dee Morrison and Junko Munakata faced tough Spin-offs forwards time and time again as that team tried unsuccessfully to break through the Caltech line.

The Women's Soccer Team will play its final game for this season against the Misfits at 3:00 on Sunday and join the millions of Caltech soccer fans to cheer the team on to victory.

---

**Track Wins**

by Scott Koster

Not to be outdone by the baseball or tennis teams, the Caltech women's track team won their first conference dual meet ever last Saturday. Both the men's and women's teams beat LaVerne in the meet at Redlands. The powerful teams of Occidental and Redlands also participated in the meet and defeated both Caltech teams.

The individual performances from the meet are not available because the University of Redlands failed to get the meet results. However, Caltech has a chance to compile more stats today at the Pompone-Pitzer Invitational. Many teams will participate, including all SCIAC teams. The meet starts at 11:00, so if you would like to spend a Friday afternoon in the sun watching the best athletes in the conference compete, Pomona is the place to go.

---

**Soccer**

*Ten Engelhard maintains perfect control of the ball in the women's soccer game against the Spin-offs. Techer kickers managed two goals in the game.*

---

**Sidewalk Cafe**

*Family Restaurant*

**FOOD MADE THE OLD FASHION WAY**

- Nice Easy Atmosphere
- With Outside Patio
- All American Favorites
- Mediterranean Dishes
- Large Portions
- Reasonable Prices
- Breakfast, Lunch & Dinner
- Greek Dishes

**GREEK DELICACIES**

"YOU CAN EAT FOR LESS AT SIDEWALK CAFE THAN YOU CAN AT HOME."

1616 East Colorado Blvd. • (818) 584-3912

---

**IHC Minutes**

IHC Minutes 7:30pm 20 Apr 1988

1. Carol, Carol and Co. propose that one of the singles spots in Interhouse Tennis be reserved for women. This would put it in line with swimming and track as far as providing individual events for women. The motion passes and will be effective for this year.

2. Nancy Mathews says that Nancy Carlton is mistaken about charging SAC damages to the student body charge (administrative fee). Nancy Mathews says that she's pleased that there hasn't been much vandalism in the SAC. Bob says why not have the money come from Freshman Admissions, and no alcohol is to be served to prefrosh who are under 21.

3. Jimbob comes up with some official rules for powerlifting. Unfortunately Cable Chris is still giving him the run around. More on cable next week.

4. Jimportion has the official Ultimate rules for the athletic committee.

5. Bob's Corner

a. Bob passes around an ad for a summer job.

b. Ath dinners are on hold for now due to lack of money. The Everharts will be invited soon (Tuesday the 17th).

c. Seminar Day - May 21st

d. Sports Day - May 22nd

6. Just a clarification on prefrosh weekend. $50 is from Freshman Admissions, and no alcohol is to be served to prefrosh who are under 21.

7. Bob says lets talk about Rotation rules, but it is decided to wait until later.

8. Vivian Brown and Dr. Harald P. Rhetz (head of the counseling center at UCLA) give a talk about crisis intervention.

9. Dave J. has more to say about the charge for officials. Apparently Warren doesn't like it because no one picks up their money. It is decided to discontinue paying refs.

---

**Track**

*Goalie, Karen Oegema is caught in an embarrassing situation during the women's water polo club game with Occidental last Friday. Caltech lost this game and another one against Claremont the week before, but beat Pomona this week.*
**CALIFORNIA TECH FRIDAY 22 APRIL 1988**

**classified ads**

**MALE STUDENTS WANTED!**
University students at sperm donor by California's largest sperm bank. Money paid weekly. Call 990-1661.
---

**PROGRAMMERS WITH KNOWLEDGE OF WINDOWS 3.1**
Strong Windows programming background desired in Alhambra, CA. Has a full-time consulting position with DEC. Information on how to develop the interface for a new moving talk audio computer system. An extensive working knowledge of Windows 2.0 is required. Applicants should call Werner Martin at (213) 236-2813.

**FOCAL BOOK SALE**
The 6th Annual Book Fair to benefit all Caltech libraries is scheduled for Friday, May 6, 1988 in the Anezka E. Ahearn Room on the Caltech campus. The fair is sponsored by Friends of the Caltech Libraries (FOCAL). A wide selection of books will be on sale, with all proceeds going to support the libraries. Attendees will be available for purchase of the following categories:
- General paperbacks-
- Literature paperbacks-
- Science paperbacks-
- Graphic novels-
- Magazines-
- In addition, rare books, maps, and other special items will be offered for sale at a higher price. Information about FOCAL and the book fair will also be available at the fair book.

**Focal class Announcements**

**Announcements for Focal Classes**
Most professional, courteous, economical and efficient service for your official and personal travel needs.

Freer service to you.

**Airline, Cruises, Tours, Hotel, Car Rentals**

**Individual, Commercial, Groups.**

(818) 577-8200

468 S. Sierra Madre Boulevard, Pasadena

---

**CLASSIFIED ADS**

**HELP WANTED—**

---

**MALE STUDENTS WANTED!**
University students at sperm donor.

A sperm donor can make $70 to $300 per month.

Call 990-1661.

**FOR SALE—**


---

**INSURANCE WAR:** We'll beat anyone's prices or don't want your business. Sports cars, multiple tickets, good-driver discount.

**PASadena, California 91125**

---

**L O S T A N D F O U N D—**

***LOST:***

Silver Parker Ballpoint Pen.

If found, please contact Jon, ext. 6653.

---

**S O U R C E S—**

---

**INSURANCE WAR:**
We'll beat anyone's prices or don't want your business. Sports cars, multiple tickets, good-driver discount.

---

**PARIAN TRAVEL**
Caltech Officially Approved

---

**TOURS**

---

**DEFY GRAVITY (ALMOST)**
The Caltech Flying Club is continuously looking for those who may or would like to be pilots.

If you fit this description, contact Dr. Bernhard in Room 3 Dabney or in Pasadena, 29 at 8:00 pm. Greg has lived in the area for 10 years and made its residents and atmosphere the topics of his songs, written in nely narrative style. Accompanying himself
tell a few bad jokes before we kick him out the door. The Caltech Science Fiction Club, of course, reasonable price of $10. (Interest? Con
tell a few bad jokes before we kick him out the door. The Caltech Science Fiction Club, of course, reasonable price of $10. (Interest? Con