

Spring Sports Make History



The California Tech



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SURFs Granted

by Mark Montague

In the tenth year of the SURF program, the number of SURFs is still growing rapidly, and the program is still a trendsetter in undergraduate research. As of last Monday, there were 156 SURFs awarded, with the possibility of awarding still more out of the 195 applications this year. Of those not accepted yet, only three determined to be unworthy, while the rest were rejected only because of lack of funds.

Of the 195 applications, fifteen were from off-campus, including applicants from UCLA, Harvard, Berkeley, Stanford, Irvine, Oxy, Amherst, and even France. So far, 11 off-campus students have been awarded SURFs.

The SURFs awarded this year include about 60 in physics, 50 in engineering (mostly electrical), 25 in Biology, 20 in Chemistry, and a smattering in other fields. Some of the more interesting projects include a field study of India's ecology & conservation, and another of how whales' migration patterns are related to the Earth's magnetic regions.

This year, the SURF budget is \$486,000, as compared to \$36,000 in the program's first year. Of this, \$129,000 comes from individuals and corporations, \$74,000 comes from the National Science Foundation, and the remaining \$243,000 comes from 103 sponsors at Caltech and JPL.

SURFs are having a noticeable effect on the outside world as well. A significant percentage of the living undergraduate alumni have been involved in the SURF program. In fact, the SURF program is now one of the most prominent programs at Tech- Dr. Everhart mentioned it in his inauguration speech. Also, the SURF program itself has inspired a number of other schools, and, in fact, Rockefeller University is calling their new program SURF.

This respect is not undue - four SURF students from Tech, (Rachael Clark, Vivek Dave, Bassem Mora, and Dawn Sumner) and six off campus SURFs (since the NSF paid their air fares) are going to the second annual National Conference on Undergraduate

please see SURF, p. 2



Celina Mikolajczak (left) laughs with Robin Bond during the reception in the Coffeehouse as Women's Weekend begins. The women were invited by the Admissions office and will be hosted by Techers.

photo by Alex Athanasopoulos

Pre-frosh Meet Caltech

by Chandra Tucker

If you haven't noticed already, once again, Caltech has been invaded by pre-frosh in its annual Women's Weekend for newly admitted students. These pre-frosh will be wandering around the campus, taking 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 pre-frosh.

During the visit, the pre-frosh go to a reception at the Coffeehouse to meet other pre-frosh and hosts and important people from each house. They also attend classes on Friday (if they wish...) and

go to a dinner with the faculty at the Alumni House. The weekend ends with an informal breakfast on Saturday.

Of 83 women admitted to Caltech for next Fall, 46 came to the pre-frosh weekend. This is a large increase over last year, when 30 of the 82 women admitted came.

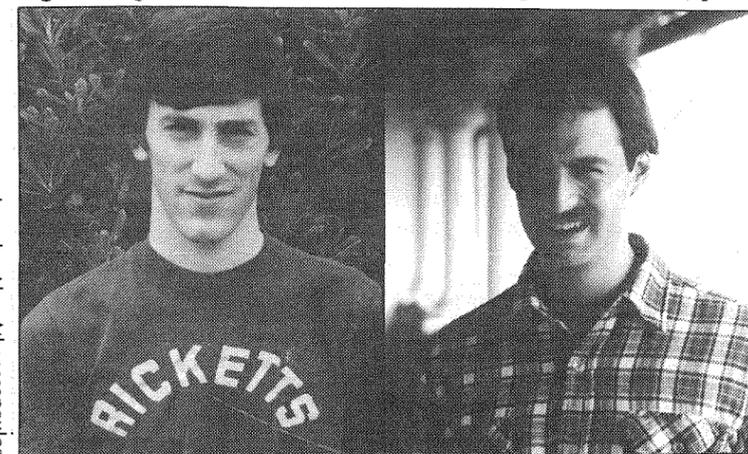
In general, the pre-frosh seemed to be receiving a good, positive image of Caltech. Says Nancy Hong, one pre-frosh, "Caltech has this image of people being quiet and serious...The people seem a lot more diversified than I thought...People are more outgoing."

Added Jeannie Barrett, another pre-frosh, "I expected it to be more conservative--more studying...This visit lets me see what I'm getting into."

Pre-frosh seemed especially impressed with the closeness and unity of the campus. Rachel Schwartz was pleasantly surprised upon "seeing how people get along...Everyone knows everyone else..."

Each year, the women's pre-frosh visit brings up controversy among Techers concerning fairness (males admitted to Tech are not given this special visitation opportunity: though they are

please see PRE-FROSH, p. 2



Seniors David Lipin (left) and Andrew Huntington have won the Noland Leadership Awards for their activities.

photo by Alex Athanasopoulos

Huntington, Lipin Honored

by Marda Collett and Gary Lorden

Two Noland Leadership Awards were presented at dinner in the Athenaeum on April 4. Each of this year's winners received a check for \$1,500. The Noland Leadership awards are made available by the Ametek Corporation in honor of its president, Mr. Robert L. Noland, who graduated from Caltech in 1941.

These awards are intended to encourage and reward the development of leadership qualities amongst the scientists and engineers who, they hope, will one day be heads of industry. Ametek wishes to recognize not only those who take charge in leading others but also those who inspire and encourage others to fulfill their leadership potential.

Andrew Huntington, a senior in Engineering and Applied Science, receives the award for the positive influence he has had on other students.

As Dabney House president, Huntington tackled his responsibilities with characteristic seriousness and commitment. For example, he led the way to successful resolution of the thorny issues involved in preserving some of Dabney's traditional wall art in the wake of renovation, forging compromises that both the students and the administration could live with.

Huntington's contributions to the campus life beyond the houses are also noteworthy. As a student shop commiteeman he has been critical in keeping the Student Shop going, and it was his initiative and hard work that led to the establishment of the Caltech Bike Shop as part of the Student Activities Center.

Huntington is a wonderful example of a dedicated leader who has guided and motivated others to be active and constructive participants in campus life.

David Lipin, a senior in Engineering and Applied Science, received the award for inspiring

and helping other students in many important ways.

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 how a desire to help can inspire a person to become active and be a leader in house and campus life.

Developer Hired

[CNB]-Herbert E. Newman will return to Caltech in August as Assistant Vice President for Development. Newman, who is currently the Vice President for Development, Public Relations, Alumni Relations at De Paul University, served as Director of Foundation Relations at Caltech from 1967 to 1974.

In 1974, Newman moved to the University of Chicago as Director of Development. Three years later, he assumed the same position at Northwestern University in Evanston, Illinois. In two decades of fund-raising experience, Newman has been involved in four capital campaigns. At De Paul during his eight-year tenure, donations to the university endowment fund have tripled under his leadership.

"Herb Newman brings to the California Institute of Technology a great deal of experience, including direct dealings with foundations, corporations, annual giving, and major gift programs," said Theodore P. Hurwitz, Caltech Vice President for Institute Relations. "He has been personally involved in major capital campaigns and is prepared to plan, organize, and implement any public campaign that might be appropriate for Caltech."

"This is the most important appointment I will ever be asked to

make," said Hurwitz. "It comes at a time when Caltech is faced with greater financial needs from the private sector than ever before. I am convinced that the development experience and the knowledge of Caltech that Herb Newman brings will position us appropriately so we can meet the challenges that we face."

please see HIRING, p. 2

Formal

by Tony Wittry

The pomp and splendor of the 1988 ASCIT Formal Dance is near. This year's gala event will be held at the Athenaeum May 18, 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.

The California Tech

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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 led 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

this really necessary?" The answer to this question is YES. To be a responsible member of the world community, the United States is obliged to do everything in its power to protect the rights of independent nations against international terrorism.

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

An "eye for an eye, tooth for a tooth" policy has 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.

letters

Sexism

To the Editors:

Is the Admissions Office sexist? This year's pre-frosh 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 sponsored 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 pre-frosh weekend of their own. When these young men do visit the campus, are their plane fares subsidized? Do they eat at the Ath? Are there special House social events arranged on their behalf?

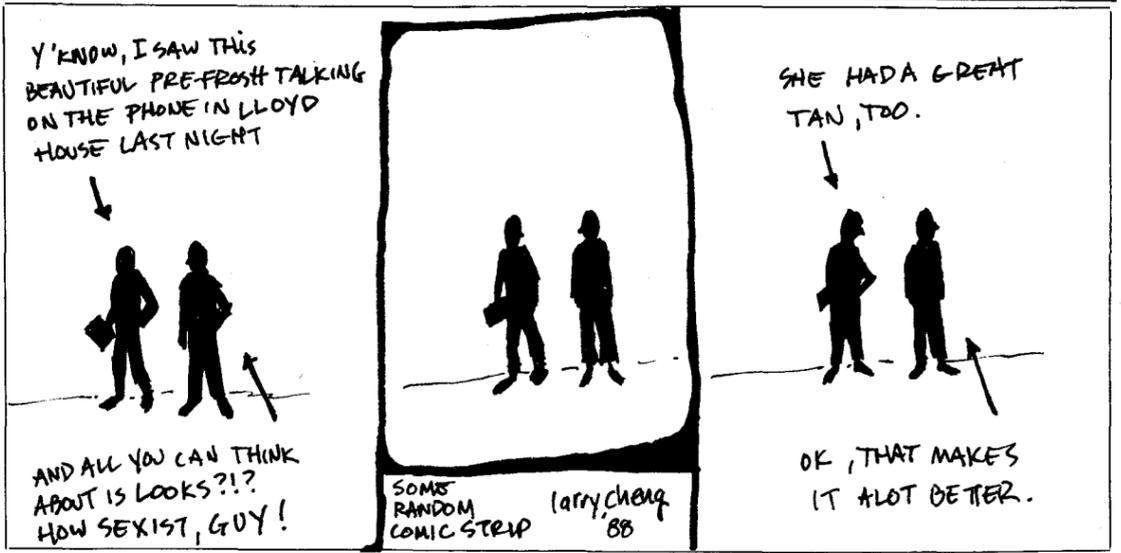
Certainly we try to maintain a non-sexist atmosphere at Caltech.

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

The objective of pre-frosh weekend is to give our prospective students a better understanding of life at Caltech. However, during this weekend, the pre-frosh are presented with a situation which is far from typical. The administration should have enough respect 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 student houses when the pre-frosh visit our lovely campus. Hopefully this will allow the prospective students of Caltech as much of an untainted view as possible.

Sincerely,
Minei Chou &
Andrew O'Dea



Three Houses Receive New RA's

by Eric Fung

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 Material Sciences. Harper is a registered nurse.

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

Jurgen 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 RA because he enjoyed the originality and energy of the undergraduates here.

In Ruddock, Ed and Amy Callaway will be giving way 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 Colgate University and Miller did her undergraduate study at Yale followed by graduate study at Stan-

ford. The couple wanted to interact more with undergraduates and to meet people with different interests.

Braun too will be receiving new RA's, Eliot and Mia Fried. Eliot, who did undergraduate work at UC Berkeley, is a graduate student in Applied Math. Mia works at a credit office.

Pre-frosh, cont'd

welcome to visit the campus and are provided with a host, they are not treated to dinners with faculty, etc). The controversy will continue, but as of now, the Women's Weekend remains, according to various pre-frosh: "good," "successful," "nice," and "an experience that has definitely affected my decision to come here."

SURF, cont'd

Research at the University of North Carolina in Asheville this year. Last year, despite the fact that eight times as many students showed up for the conference than were ex-

pected, Caltech SURFers Keith Rosema and Kyuson 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 1991.

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 material science SURF, which he continued as his senior thesis.

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 its first year, the SURF program is still growing, and it will certainly continue to make great impact on the undergraduates for years to come.

Hiring, cont'd

Newman, 53, and his wife, Tuto, who is from Denmark, have two teenage sons, Oscar and Christopher. During his earlier years at Caltech, Newman was involved with several locally based groups, including the L.S.B. Leakey Foundation, the Pasadena Art Museum, and the American Friends Service Committee. While living in Illinois, Newman served on the boards of Chamber Music Chicago and the Jazz Institute of Chicago, and he was an adviser to several groups, including Family Counseling of Evanston.

In announcing Newman's departure, The Rev. John T. Richardson, president of De Paul, asked his colleagues to join him in "extending to Herb our appreciation for his many contributions to De Paul University and in wishing him well in his new role at Caltech."

At Caltech, Newman will head a department with a staff of 17 professionals, who raise funds for Caltech.

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entertainment

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: Hassler's "Come All Musicians, Come"; Mendelssohn's "Abendlied" and "Ich Wollt' Meine Lieb"; and "Noi Siamo Zingarelle" from Verdi's opera *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 one has 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

(Caltech, 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 chorus 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 the other choruses became apparent. While the Caltech Women's Glee Club had about twenty-five singers at the festival many of the other choruses had upwards of forty-five; Loyola had about sixty singers. This makes us more determined to recruit for next year, starting with the pre-frosh but including anyone around next year.

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



The Guitarjam Trio: (from left to right) Laurindo Almeida, Sharon Isbin, Larry Coryell. They had an outstanding performance last Friday.

photo courtesy of Caltech Public Events

Guitarjam Plays Tech

by Curtis Ling

Combining fusion guitar picking with smooth, flowing classical techniques 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 Radames Griattali and arranged by Almeida, *Jesu, Joy 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 *Asturias*, written Isaac Albeniz and arranged by Andres 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 this potent combination of musical styles, quite different from, say, the Dimeola-McLaughlin-De Lucia trio on *Passion, Grace and Fire*. The guitars emphasized the contrasting 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 contrasting 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 obliged to review 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 attitude. After a short slide show on the Tubes Group's contributions to America, the Tubes began the show by introducing themselves with the "White Boy's Rap," which, though amusing, was a little annoy-

ing in that it didn't let me catch the name of one of the members. Since Fee Waybill left the group, I'm not sure if Michael Cotton was singing Fee's parts, or if the unidentified guy joined the group since the release of *Outside Inside*, their last album.

In any case, the "White Boy's Rap" confirmed that the rest of the Tubes Group is still in operation- Bill Spooner provided the vocals when the "mystery guy" wasn't singing, and the Tube'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

AMATEUR PHOTOGRAPHERS
ARISE!!!

Have you shot a photo of the Caltech campus that you especially like? Well, here's your chance to see it in print. Work is now being started on the 1989 Caltech Calendar, which will contain 13 color photos of the campus taken by the Caltech community. You're invited to submit your favorite 35mm color slide or color photo to Dlorah Goforth, Graphic Arts Facilities, Mail Code 17-6, Extension 6705, by June 1. Winners will receive a free calendar and \$25!

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 as a logical extension of alcohol consumption at parties, I walked away with a much better understanding of dance as an art form.

The three part program opened with *Shelf Life*, a one act opera performed in conjunction with the Paul Drescher Ensemble. In this opera, the dancers embodied characters that came from recent paperbacks 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 convergence of the their characters, Rinde Eckert provided the narration of a writer/traveler that imagines the result of books 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 sets of the last two pieces seemed much more effective in displaying the attitudes and ideas of the music and Ms. 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 "Pedal Steal" and was the only piece in which Ms. Jenkins performed in. The piece dealt with attitudes and 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 my main interest for seeing the Margaret Jenkins Dance Company was to view *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.

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The Inside World

This week's Inside World was brought to you by:

Blacker: Marty O'Brien

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Ricketts: Su-Lin Wu

Ruddock: Betsy Andrews, Wayne Leukens, Milton Tinkoff, Biff, Munir Bhatti

Blacker: **HERE'S YOUR BIG CHANCE!** Ever looked at the Inside World and thought "Gee, that's really lame" or "I could write a better Inside World than this trash," or even "Gosh, I think I'd like to rag on Anna some more this week"? Well this is your big chance to show everybody what you're made of, to see if you have what it takes to write the Inside World. This is ...

BLACKER HOVSE OFFICIAL DO-IT-YOURSELF INSIDE WORLD KIT
Well, it's been another very _____ week in Blacker Hovse.

_____ made an interesting discovery about Gummi Bears, and about the _____ of the waiting staff, too.

Interhouse _____ season is still stirring up great feelings of _____ everywhere in Blacker Hovse. We played _____ Hovse and we lost. Then we played _____ Hovse and we won. It was _____'s fault. But it was a good game and everybody was really happy because _____ scored. Watch for the _____ conclusion to the Interhouse season when Blacker plays _____ House later today.

All of the prefrish girls came this week. My favorite one is _____, who is staying with _____ (and _____). Last night they all went to the R.A.'s apartment for Thursday night food, and it reminded me of a _____.

Later, I went off with _____, and her prefrish into the _____. There we _____ and _____.

So did _____. Right when we were in the middle of this, _____ and _____ came in and _____ with tuna fish. I hope they all decide to come here next year.

Ditch Day is coming up. You can tell by the way all the seniors are _____ behind those sheets. I've been told that _____ will have a good stack, as it will involve a lot of _____, vasoline, and _____.

And if you didn't already know, Ditch Day is _____.

The Ass Tea is becoming more and more of a _____ with each passing day. _____ won't be there, but _____ and _____ will, and they're almost as young. Personally, I thought _____ and _____ should have been invited. _____, too, even though he probably wouldn't come.

The reason that there are so many Mormons in Blacker Hovse is _____?

_____??! I think not.

And finally the housequote of the week is "_____."

4 / ____ / 88

-by _____

Lloyd: The Lloyd Inside World, excited by the outstanding level of literary creativity in the house, present samples of work from various artists soon to appear in an anthology entitled: *We Live For Those We Love And Die*.

ODE TO HEAD BANGING (the head banger)

Of moon-bleached shades of grey and black,
Proud colors draped upon my back,
Pin Hades' icon to my breast.
A Metal-Demon's aural fest:
Tempestuous fire of iron and steel,
The white-hot coals my heart to feel,
Hot flames erupting, setting free
A soul-scorching cacophony.

THE LAST DINOSAUR (Chaney)

He was so happy
So very happy.
One of the greatest minds of our century
Met with Mesozoic destiny
Crushed by a giant, quite a footprint to see!
King of the Tyrant Lizards, carnivorously
With a brain no larger than a dried pea.
Dr. Kawamoto: hero always will be
(He was so happy.)
What a sanguine ending for he.
It's really quite sad.

CONSUMPTIVE (Foot)

O Meryl, sweet, thou art a rose
Of pallid face, of languid pose.
The perfect virtuoso of the dismal story
Oscars alone cannot render your glory.
Tubercular coughs, your moans and wincings
Make me envy your stage-screen princes.
Your muttered dialect caresses my ear;
With you for contrast, what is there to fear?
Your sickly visage cannot scare me
Life's pain is real, and must reign free.
Greatest of all is what you deny
Vanity is seductive but only a lie.

REFLECTIONS (anonymous)

Leather, denim, and flesh
A sinewy mesh
'Tis the Trinity
Of Masculinity
The crown of metal
Like a chrome rose petal
'Tis the one divinity!

please see INSIDE WORLD, page 5

entertainment

Happenings Around LA

ON CAMPUS:

Armchair Adventurers may want to check out "Two Tickets to Timbuktu," the story of Kenneth Richter's journey across the Sahara in a station wagon, tonight at 8 p.m. at the Beckman Auditorium. Call x.4652 for info....the **42nd Annual Coleman Chamber Competition Winners Concert** will be held at Beckman Auditorium at 3:30 p.m. Sunday....

OFF CAMPUS:

Concerts:

Sinead O'Connor will be putting on a show at the Wiltern Theatre in Hollywood tomorrow night at 8 p.m. Catching this new Irish songstress should be a real treat; although the show was sold out at last check, I plan on trying to see if anyone there has "extra tickets" for sale....The **Grateful Dead** are also going to be performing this weekend, and they too are completely sold out. Shows will be tonight, tomorrow night, and Sunday at the Irving Meadows Amphitheatre....The **Gaye Bykers on Acid** will be with **The Swans** tonight at the John Anson Ford Theatre on Cahuenga Blvd. West, near the Hollywood Bowl, in Hollywood....Tomorrow night at 8:15 p.m. **The Kinks** will be stopping at the Universal Amphitheatre....The U.K./L.A.

Cultural Exchange will be presenting **Bass Dance**, one of England's leading Reggae groups, in a *free* show Sunday from 11 a.m. to 5 p.m. at the Watts Towers Art Center, 1727 E. 107th Street. Joining Bass Dance will be **Joe Higgs**, **Ras Michael**, and L.A.'s **Sons of Negus**.

Dance:

The **Twyla Tharp Dance Company** will present three L.A. premieres at UCLA's Royce Hall. This modern troupe has not been around since the 1984 Olympic Arts Festival. Shows will be tonight at 8 p.m., tomorrow at 2 p.m. and 8 p.m. Want more information? Try (213) 825-9261....The **Big Flood Dance Company** will be, well, dancing at Occidental Sunday at 7:30 p.m. Call (213) 259-2727 for more....**Jo Anders** premieres *Lucid Perception* at the MOCA in the Ominson Auditorium until this Sunday. Some call it dance, although it's more like a Liquid Cinema. For more information - (213) 626-6828....

Upcoming:

Fender's Ballroom in Long Beach will present **Gang Green**, **Bad Religion**, and more on Friday, April 29....Jazz great **Wynnton Marsalis** will appear at 8 p.m.

on Friday the 29th at the Marsee Auditorium at El Camino College....Also on Friday the 29th, **Billy Bragg** will be playing at 8 p.m. at UCLA's Ackerman Hall....L.A.'s own **The Dickies** will appear with **Agent Orange** over at the John Anson Ford Theatre in Hollywood on Saturday May 7....**Love and Rockets** will put on their last show of their American tour with **Jane's Addiction** at the Wiltern Theatre on Monday May 9. Tickets are available at Ticketmaster....On Wednesday May 11, **Ziggy Marley** will drop by the Hollywood Palladium....The **Dave Brubeck Quartet** will team up with the **Joe Williams Quartet** at the Universal Amphitheatre on Sunday, May 15....The **Smithereens** performs at the Roxy on the 18th and 19th of May....The Roxy will also host **Thomas Dolby** on May 25....

In the Far Future:

Robert Plant at the Forum on Tuesday, June 14. *Tickets go on sale Monday morning at Ticketmaster....AND FINALLY....The Alarm* with special guest **Robert Dylan**, Sunday, July 31, at the Pacific Amphitheatre. *Tickets go on sale at Ticketron outlets at 10 a.m. on Sunday....*

-Ian Dutton and Andrew Hsu

School Dazed and Confused

by Earl Taylor

Some compare it to *Animal House* and the similarities are present, but *School Daze* (rated R at selected theatres) has more plot and substance than that familiar glorification of unleashed fraternal fervor. The movie is set on an all-black college campus during homecoming weekend and reveals many activities and experiences unique to such a situation.

The story revolves around a socially conscious activist and his friends against an outrageous frat. The first scene in the movie draws the lines between the factions quite clearly and sets the tone for the conflict as well as outlining other conflicts. Happily for the intelligent viewer, the lines become more hazy as the movie continues.

The movie is filled with wonderful views of black college life. The homecoming swimsuit party with everyone "Doin' da Butt" is definitely something to see. Feel the adrenalin pump as the football coach spits fire and brimstone to arouse his players. This reviewer particularly enjoyed the fraternity show with all of its startling precision and energy.

Spike Lee, the writer and director, also goes to great lengths to show us the flip side of every coin. The playful banter between a group of guys crowded into an old car as they take their "revolutionary friend" to eat fried chicken is simply hilarious. We also get a glimpse of girl talk behind the closed dormitory doors. The Gammas give us some idea of what the inside of a fraternity is like, while "Da Fellas" show us everyday Joes hangin' out. This device gives the viewer a better perspective of the situations presented by the movie.

While the the movie was pleasant to watch, and had many very funny moments, it also challenged the audience to "Wake Up!" to many very real issues. It exposes some of the strife that exists within

the black race as well as some of the great strengths. It asked questions about the lack of support from blacks for the many fine black private institutions in the United States. It forces us to wonder if we give implicit support of Apartheid by investing in South Africa: It presents many other quite chilling questions about problems unique to blacks such as the tension that sometimes arise between dark-skin "pure stock" and light-skin "high yellow" blacks. On the other hand, we are warmed by the strength of close family ties and how support-

ting of family takes precedence over other causes. The most powerful scene in the movie is a short but compelling soliloquy on college opportunities and the protection and realization of dreams.

Spike Lee presents for our examination and understanding the black community and builds our awareness of its problems and strengths while entertaining us. To see more of Spike Lee's work, venture to the Coffeehouse and watch *She's Gotta Have It*, a wonderful, critically acclaimed film, on videotape.

Tubes, cont'd.

This was augmented by Rick Anderson's bass, Vince Wellnick's keyboards, and, of course, Pairie Prince's high-power drumming.

The Tubes played all of the old standards of Tubedom, including "She's a Beauty," "Talk To Ya Later," "Sushi 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 Fifty Foot Woman," "The Tip of My Tongue" and "What Do You Want From Life," and a cross between "I Don't Want to Wait Anymore" and the Michelob theme song. They also did a medley of random songs which was rather impressive in that it covered the most powerful parts of several Tubes songs.

The Tubes also did a modernized "I Saw Her Standing There," and a touching song written with called "They Kicked Me Out of the Band," which was dedicated to Fee Waybill with the kind words "Well, he decided to go to New York, so we said 'F_____ him'."

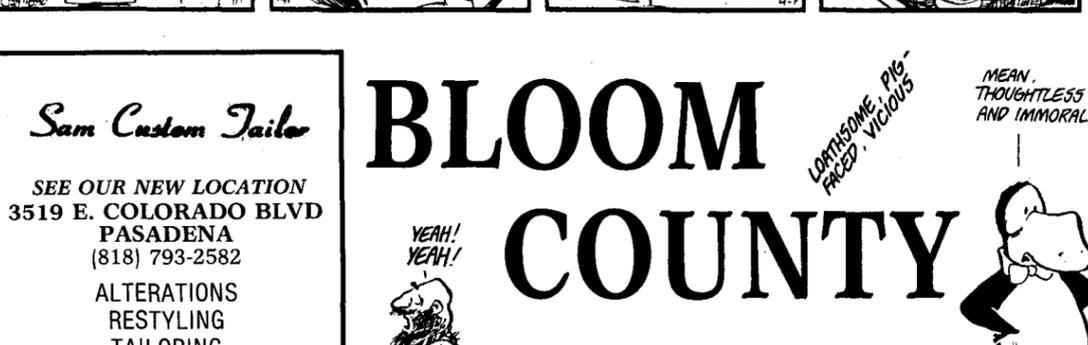
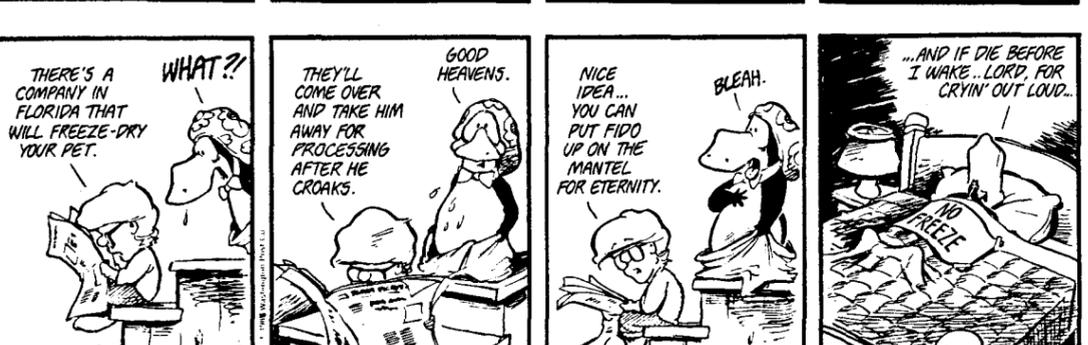
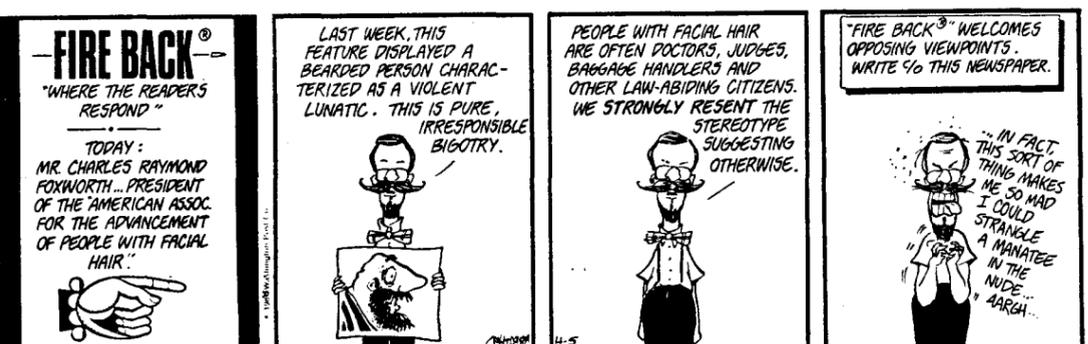
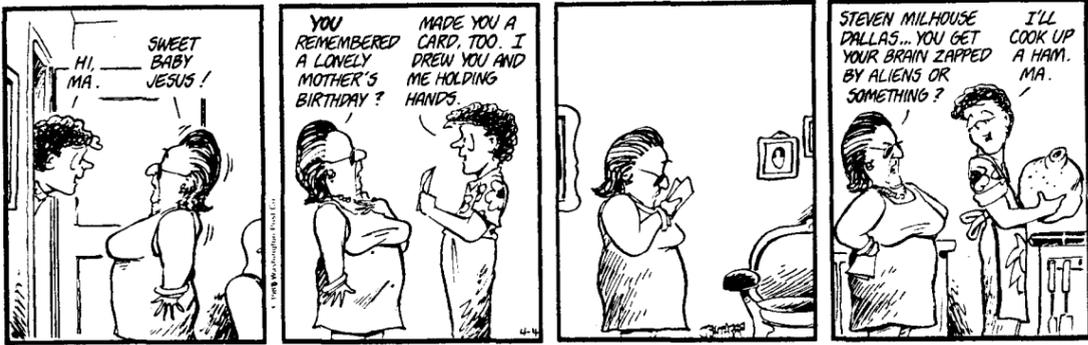
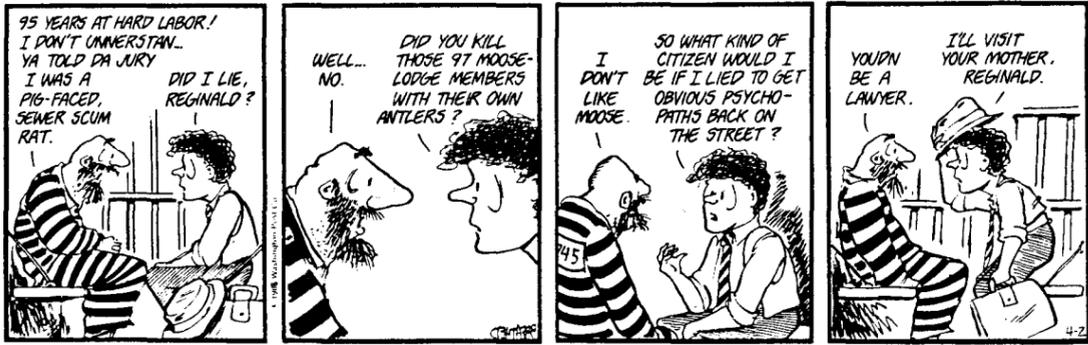
In the spirit of Tubes shows, they performed "Rock and Roll Hospital" with the official guitar for

that song, and they also did a "Scar Search" to find the most interesting/ ugly scars in the audience. I was a bit disappointed, though, that Pairie 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's show at the Strand typified 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 Crocodiles opened for the Tubes on Thursday, and I was impressed by him and his band as well, since I hadn't expected a good opening act. I look forward to seeing him around the clubs, too, since apparently he's getting big in the LA club scene.

I found the Strand Supper and Dance Club (in Redondo Beach) to be a worthwhile club, even if their best beer is Corona, but if you want to guarantee a good view without standing for the whole show, you pretty much have to eat dinner there. Also note that it's over 21 only, with ID's checked at the door. (The Tubes played with Preston Smith opening at the Strand Supper and Dance Club 1700 P.C.H., Redondo Beach on Thursday, April 14th. They may be back in the area next month.)



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More Inside World

from page 4
NEW ROOMMATE (Ida)

There once lived a Prater named Jack
Whose cap thought his front was his back
Just as Sprat is so lean
He can hardly be seen
Gazelle-like he bounds round the track.

Ricketts: Hi Prefrosh! Welcome to Caltech! And welcome to the Ricketts Hovse Inside World. As you wander through Ricketts Hovse wondering if Caltech is the place for you, don't be shy. Ask us questions! Like- how do we like Caltech? Or- what is our major? Or- how many bicycles can fit in Mark Lyttle'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 Lyttle, John Raguin and friends bicycle at top speed around the Ath Lawn. If you find out why they do this, tell somebody. We'd like to know too. There is just one thing to be careful of: A short, strawberry blond southerner built like a brick, seen wandering through the alleys of Ricketts. Be sure to avoid this strange person at all times, especially if he says "WhaaaaaT!" or offers to give you a tour of the SAC. But don't worry, we'll protect you from this menace. Enjoy your stay and we hope to see you in the fall.

Well, its been a whole year since Jason and Drew tried to guess the name of a short ornamental prefrosh 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 prefrosh from last year are now living in Ricketts. This year I hope Brian will restrain himself and not spit milk all over the prefrosh. That sort of thing isn't really encouraging.

Warning! Do not borrow any of Kitt's books without obtaining prior permission in writing! She gets incensed when people borrow her books without permission. She'll make your life a living hell until she gets her books back. If you offer her lots of chocolate she might be distracted enough for you to get away.

Sam Dinkin just loves 22 Gates when it is cold enough to freeze his assets. Sorry Sam, Eric declines to sit in your lap to warm them.

Looking for a few minutes of fun? Into torturing Samer (he's the nose with the most, Baby)? Here is something new to try: Find him and tell him a fact and ask him to guess whether it is true or false. And if he guesses wrong (don't worry, he will) stick out your finger and say "Bzzzzt!" And enjoy the results. Serves five.

You know your creative juices are running low when you start writing about Samer.

Events: John Beanhead's favorite senior rang the brakedrum Monday night and confused the heck out of a lot of people. Those who watched the pre-pile show saw Johnson and Karena running at full speed away from Davelee, and Johnson and Karena stopping suddenly and only the upper half of Davelee stopping suddenly. Diamond Dave decided that lying on his back was a fine thing to do. The mighty freshman piling machine once again asserted its superiority against all comers. The frosh-soph team mauled the upperclassmen who could not withstand Jim's determination and Joe's Laugh From Hell. Then the frosh bullied their way to victory through everything the upperclassmen could throw at them. Kitt was smashed around as she gamely took on the big goatcheese himself, Sammy Sweaver. Brian and Laura entertained themselves by tossing frosh this way and that, but Russell took on three older and more experienced wimps and piled his way through them. I'm sure this is what Russ came to Caltech for: to learn to tunnel his way through people with a black donut. Everyone had fun, even John Beanhead who found that laying in the ground was a fantastic idea.

There is a Random Party this weekend so show up and be random. TWBM also this weekend. And Midterms next week! Everyone have fun.

-Hovse Hey You,
Pip-Squeek.

- Ruddock:** Top 10 things Wayne has seen through the hole in his wall:
10. Milton in a gorilla suit
 9. Milton outside a gorilla suit
 8. Betsy's tiddies
 7. Kathleen wearing Betsy's tiddies
 6. The guy who was built into the wall when they constructed Ruddock. (He screams for food and I laugh)
 5. Munir in a hot pink spandex body suit
 4. Bets and Kathleen playing naked resistor fister twister with his sister
 3. Disappearing ping pong ball trick
 2. Disappearing beach ball trick
 1. Disappearing Frank ball trick

House Social Event last week was a very special trip to Magic Hell (Mountain). Milton tried to win a bit of tail but 13 bucks wasn't enough. Should've gone to T.J., guy.

After examing all RA's in a scientific and unbiblical fashion, we have decided that all RA's are great. As to whether or not all prefrosh are OK, attend the high society BBQ/volleyball/weightlifting/track/ultimate/naked-resistor-fister-twister-wrestling against Warren Emery Competition. The prefrosh will get a two-move head start on the twister boards. (Two moves makes a difference if you know what you're doing.)

Joke of the week:
What's the difference between a Democratic girl and a Republican girl? A Republican girl has Bush in her heart and a Democratic girl has Hart in her bush.

Now it's time for dream of the week:
I, Milton, being of sound mind and gorilla like Gody, dreamed that Betsy and I were blah blah... and then we... blearek blearek blearek... and finally... bluah bluah glee... Oh, you mean the other dream. You see, David Knight (the CIA cyborg) was talking on a CB radio, which he owned.... Get this: as his handle he used--OLD DAVE! HA! HA-HA! HA!!!

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sports

Baseball History!!!

by Brian Colder

From the first day of practice, it was obvious to everybody that something was different about this year's baseball team. The pitching was just a little stronger than in the last couple of years, a lot of starters 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) history with their first league win in six years over the then third-place Whittier Poets. The manner in which Caltech won the game showed that they had finally arrived as a legitimate SCIAAC baseball 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 Beavers continued their onslaught in the sixth inning when Jim Bob Coykendall and Jon Hamkins, running for David Bruning, scored on the amazing Manny Aranda's triple to right. A scoreless seventh inning left the score deadlocked and ensured an exciting finale.

The winning run came in the bottom of the eighth when Pete Richardson, running for the terminally slow Bruning, scored on a ground ball by Jeff Flint. This gave the Beavers the lead going into the ninth and a chance to win a big ball game. Whittier would not go down quietly, however, as they put men on second and third with one out. But Colder proved to be too much for the Poets, as he coaxed an easy ground ball and a pop-up from two of Whittier's best hitters to end the game and give Caltech a long awaited and well-deserved league win.

The prolonged celebration by the team did not take away from their performance when they came out to play the second game of Saturday's doubleheader. Freshmen Ken Campman pitched a great game to keep Caltech within striking distance. In the bottom of the ninth the Beavers had the winning run on base, but they were unable to cash it in. The final score was Whittier 6, Caltech 4. Flint's two hits in the game combined with his two in the first game made him super-sub of the day.

For a while last Friday it seemed as though the Beavers league losing streak would end a day earlier than it actually did. 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 offensively and defensively for the Beavers. The wheels came off the cart, however, in Whittier's half of the fifth when they scored seven runs. Despite this loss, our team had announced its presence as a team to be reckoned with.

Last weekend showed that the ability was there for Caltech to compete with anybody in the league. The best thing about the strong play was that every man on the team made a contribution. There were strong individual performances, but the overall team effort was what made last weekend a special one.

For those of you who haven't seen your team play this year, this weekend is your last chance. Today's game is away at Pomona-Pitzer, but tomorrow the almighty Beavers will play a doubleheader at home beginning at 11:00. The team has a chance to better every record since 1972, and you can help by coming out and cheering on our boys.



Jeff Flint gets a hit in Caltech's historic victory over Whittier. The baseball team managed its first conference victory in six years.

photo by Michael Keating

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 Redlands 9-0. What made this victory especially dominating was the fact that not only did no Caltech player lose a match, but none even lost a set while downing the Bulldogs.

Last Saturday began as every other Saturday has for the women tennis players this season: An ungodly early morning awakening, a visit to Jaye the trainer, a meal of muffins provided as always by Coach Giny Marum, and a long sleep-filled car ride to a faraway campus.

One of the main concerns of the day was the rain which poured from the sky, even as the team made the hourlong trek to Redlands. There had already been one wasted trip to Redlands this season, and the prospects of another rainout put the team in a foul mood. However, April 16 was to

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 Liza 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.

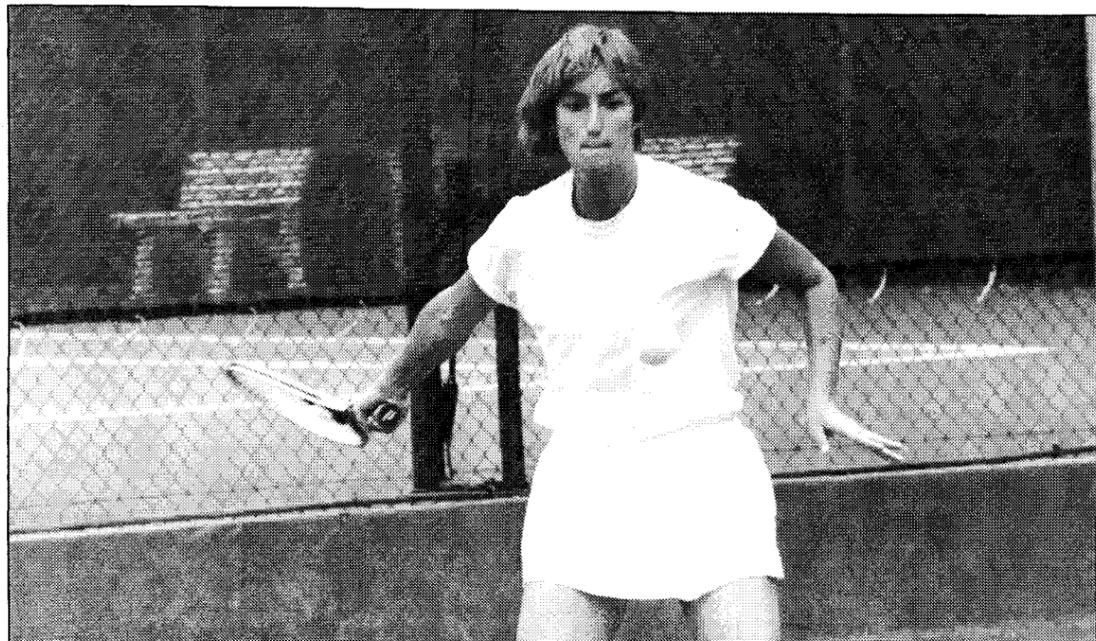
At fourth singles, Jennifer Low, who began the season as the sixth seeded player, continued her impressive season by beating the hard-to-pronounce Boihan Huynh 6-2, 6-4. Linda Schlueter surprisingly held her considerable vocabulary in check despite the lack of a referee at the match. She easily won 6-3, 6-2 over Kris Lersten. And Carol Mullenax strongarmed her way to a pair of 6-3 set victories against Annie Heppenstall.

After their decisive singles sweep, 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 conference 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 rackets of Hernandez and Schlueter overcame the Le family magic as Laura and Linda won 6-3, 6-3.

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

Thus the day ended in a 9-0 triumph for Caltech, the first shutout ever in Caltech women's tennis history. With a smile and a tip of their rackets, Coach Giny Marum and Caltech's Magnificent Seven (Choy, Hernandez, Seto, Low, Schlueter, Mullenax, and Munakata) rode off into the sunset.



Linda Schlueter shows good form as she concentrates on her forehand. The women's team recorded its first shutout ever, against Redlands.

photo by Theresa Griffie

WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	4-22	10:00 am	Track	Pomona-Pitzer Invitational	Pomona-Pitzer
Fri.	4-22	3:00 pm	Tennis (M)	Christ College	Caltech
Fri.	4-22	3:00 pm	Baseball	Pomona-Pitzer	Pomona-Pitzer
Sat.	4-23	11:00 am	Baseball (2)	Pomona-Pitzer	Caltech
Sat.	4-23	11:00 am	Tennis (W)	La Verne	La Verne
Sat.	4-23	1:30 pm	Tennis (M)	La Verne	La Verne
Mon.	4-25	All Day	Golf	SCIAAC Tournament	La Verne
Wed.	4-27	3:00 pm	Tennis (W)	Cal Lutheran	Caltech
Fri.	4-29	TBA	Tennis (M)	SCIAAC Conference Finals	Occidental
Fri.	4-29	12 noon	Tennis (W)	SCIAAC Tournament	Caltech
Fri.	4-29	TBA	Track	SCIAAC Championships	Occidental
Sat.	4-30	12 noon	Baseball (2)	Pac. Coast Baptist Bible College	P.C.B.B.C.
Sat.	4-30	TBA	Tennis (M)	SCIAAC Conference Finals	Occidental
Sat.	4-30	All Day	Tennis (W)	SCIAAC Tournament	Caltech
Sat.	4-30	TBA	Track	SCIAAC Championships	Occidental

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sports

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 Hildermann, Teri 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 Thegradstudent, supported the frontline in this onslaught, resulting in many shots on the enemy goal.

Inigorated 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 at the Caltech field. The Misfits lost to the Spin-Offs recently by the same score as Caltech, so it should be a close game. Come by on Sunday and join the millions of Caltech soccer fans to cheer the team on to victory.



Teri 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.

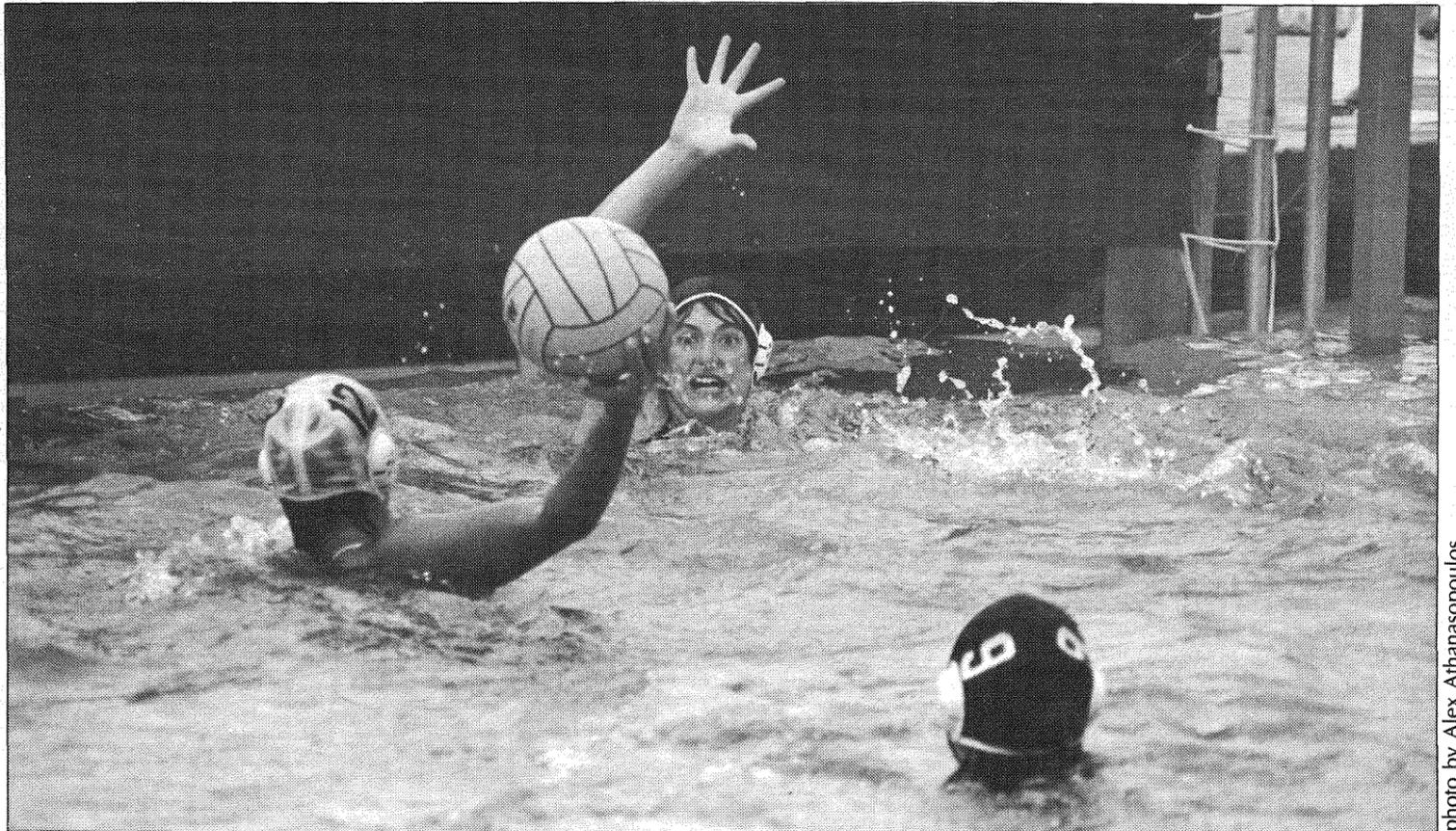
Track Wins

by Scott Kister

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 send the meet results. However, Caltech has a chance to compile more stats today at the Pomona-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.

Photo by Alex Athanasopoulos



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.

photo by Alex Athanasopoulos

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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 houses. The money for repairs comes from the increase in the board 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 the general fund?

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. Jimerly 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
Sports Day— May 22nd

6. Just a clarification on prefrash weekend. \$50 is from Freshman Admissions, and no alcohol is to be served to prefrash 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. Harlod P. Rhett (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 either since nobody picks up thier money. It is decided to discontinue paying refs.

what goes on

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

Sail the Oceans!

Learn how to sail a tall ship in open water and study the oceans! Sea Education Association offers 12-week programs throughout the year (SEA-semester); 6-weeks in Woods Hole, 6-weeks at sea. Informational meeting and video TODAY (Friday, April 22) at noon in 151 Arms. Be adventurous!

Concert Info In SAC

If you're interested in knowing what major events the Caltech Ticket Office has tickets or will have tickets for, drop by the office of Nancy Matthews, Student Activities Coordinator, Rm. 64 SAC. On her door there is a listing of events and when tickets will become or become available. Check it out!

Gems, Jewels And Sparklies

The Gem and Lapidary Dealers Association will sponsor a wholesale/retail gem and jewelry show at the Pasadena Convention Center, 300 E. Green St., Pasadena. The show will take place on April 29 and 30 from 10 am to 6 pm, and on May 1 from 10 am to 5 pm.

Exhibitors will offer an excellent selection of quality merchandise including a large variety of fine jewelry, beads, gold and silver jewelry, precious-colored and loose gem stones.

General admission price is \$3 for each day.

FOCAL Book Sale

The Annual Friends' Book Fair to benefit all Caltech libraries is scheduled for Friday, May 6, 1988 in the Millikan Library Board Room on the Caltech campus. The fair is sponsored by Friends of the Caltech Libraries (FOCAL). A wide selection of books and publications on various subjects will be available for purchase at the following prices: hardbacks—\$1, paperbacks—50¢, magazines—10¢. In addition, some special books will be offered for sale at higher prices. Information about FOCAL memberships also will be available at the book fair.

Finals Today At Noon!

Out of the 10 teams (40 undergrads, grads and staff) that put their trivia knowledge on the line, 3 teams have made it to our Caltech Championship Finals! "Trivial Solutions," 4-0, includes Mack Rhinelander, John Salmon, James Shih and Celina Mikolajczak; "Random Walk" (formerly "The Champions") 4-1, includes Shannon Gwon, Matt Tyler (formerly Peter Cappofreddi) [Matt Tyler was formerly Peter Cappofreddi?], Koichi Sayano, and Jim Pendlay; and "CS Team", 3-1, includes Pieter Hazewindus, Nanette Jackson, David Schweizer, and Steve Burns/Bill Athas. Come watch these teams battle it out to determine the Caltech Championship team. Today—Friday, April 22, noon in Winnett Student Center Lounge. Questions? Contact Nancy Matthews, SAC, x2935.

Plant And Bake Sale

The Caltech Service League annual Plant and Bake Sale, the proceeds of which are to benefit projects for Caltech students, will be on Winnett Patio from 8 am to 1 pm on Friday, April 29. There will be a raffle, along with the sale of flowers, fresh fruits, breads, houseplants, cakes, cookies, outdoor plants, pastries and general goodies.

You Belong In The Funny Farm

The Caltech Y is sponsoring a Knotts Berry Farm Trip on Sunday, May 1, leaving at 9:30 am. Purchase tickets in the Y, \$6 for Caltech students, \$16 for all others. Tickets are good for all rides on any one day, if you want to go but can't go then.

Betty Friedan's Books

Paperback copies of *The Feminine Mystique* and *The Second Stage* are still available for \$3.25 and \$6.00, respectively, but I need to send unsold books back to the publisher soon. Please contact Erica, x6538, by April 29.

Arlene Blum's Book, T-Shirts

Paperback and hardcover copies of *Annapurna: A Woman's Place* as well as expedition t-shirts (*A Woman's Place* is on Top—Annapurna) are available. Call Erica, x6538 by May 6.

Renaissance Pleasure Faire

The Caltech Y is coordinating trips to the Ren Fair on May 7, 1988. The cost is \$5 for students, \$6.95 for others. Transportation is provided, and will leave at 10:00 am. Sign up at The Y, upstairs in Winnett.

BANDORAMA Approaches

The Caltech Wind Ensemble and Jazz Bands, under the direction of William Bing, will present their annual BANDORAMA concert on Saturday, May 14 at 8:00 pm in Ramo Auditorium. Featured artist will be the great drummer, Steve Houghton. Steve has played drums for Woody Herman, Freddie Hubbard, Doc Severinson, and on the *Tonight Show*. He is a clinician for Yamaha Drums, and has been featured in clinics and concerts all over the world!

There will also be a world premiere of a composition featuring the music of Caltech which was arranged by Raymond Burkhart.

James Blinn, a computer graphics expert who works at the Jet Propulsion Laboratory, will present a visual accompaniment to the music of *The Planets* by Gustav Holst.

The concert is free and open to the public.

Voter Registration

If you would like to vote in the California June 7 primary, you need to register to vote by Monday, May 9. Information about registration, as well as the formal affidavit, can be picked up from the Student Activities Center during the Coordinator's open office hours M-F 1:30-3:00 pm. At other times (M-Th and Sat 10-6), the mail-in registration affidavit is available at the Hill Ave. Branch Library, at 55 S. Hill Ave.

Ultimate Players Needed

We're putting together a Caltech Ultimate team to go to College Sectionals at UC Irvine on April 30th. All grads and undergrads are welcome.

We practice on Sunday afternoons at 3:30 pm on the football field. If you're interested but can't make it, call Mark at 577-9029.

Europe By Train

For a free information packet about Eurailpass and Britrailpass, or to order a pass for your traveling convenience, call toll free 1 (800) 4-EURAIL. Phone line open Mon-Fri 9am-9pm, Sat 10am-3pm PDT.

FREE MONEY

Groups or clubs in need of money for equipment or durable goods may apply to the Student Investment Fund by April 26. To apply, please send a written request of 200 words or less that tells how much money is desired, and for what purpose to Randy Levinson at 156-29. Call x3961 for information.

Fabulous Prizes

The Children's Center at Caltech announces its 8th Annual Spring Fundraiser drawing. All are welcome to join in the fun on May 6th from 5 to 7 PM at the Center (293 S. Chester). Refreshments will be served as the winning tickets are drawn for trips to Hawaii and Frankfurt and many other great prizes. Tickets will be on sale each day at noon at the Winnett patio or through the Center at x6860. Tickets are \$2.50 each.

Go To The Mardi Gras!

Hurry to the Y and buy tickets for the UCLA Mardi Gras! The Mardi Gras takes place on the athletic field at UCLA on May 13, 14 and 15. Tickets cost only \$2. Come see the big party (zoo) and meet all sorts of people with "alternative personalities."

Book Fair In Glendale

The Fifth Southern California Book Fair will be at the Glendale Civic Auditorium, 1401 N. Verdugo Rd. in Glendale on Saturday, April 30 from 10 am to 6 pm. In addition to maps, prints, autographs, graphics, and free book appraisals, the Fair will abound with books of special appeal to children, parents and people who collect rare children's books.

AABHAWs, April

The Abigail Adams Beer Hour for the Advancement of Women in Science is back for April, and the biology women are in control! Stop by Alles courtyard (south of Kerckhoff) for a cold drink, munchies, and a chance to relax with nice people on Tuesday, April 26 at 5:30 pm. A 50¢ donation for the beer, wine, soda, etc. would be greatly appreciated, but scholarships are available in case of dire need. Bring a friend! For more info contact Judy (x6822).

1988 Frosh Camp UCCs

The Deans are interested in hearing from you if you would like to attend Freshman Camp as a U.C.C., and have not already been chosen. Submit a brief written description of your unique qualifications (campus activities and why you want to go) to the Deans' Office (102 Parsons-Gates) by Wednesday, April 27th. We hope, with your help, to add to the diversity of the Camp experiences for freshmen.

Books Wanted

The Friends of Caltech Libraries will be having a book sale on May 6, and are looking for donations of all kinds of books—hardbacks, paperbacks, magazines—to sell in order to raise money to benefit the various libraries on campus. Please deliver donations to Millikan Library, 1st floor, as soon as possible. For information, phone Janet Jenks (x6419) or Louis Creveling 286-5618.

Love, Dating And Snakes?

InterVarsity Christian Fellowship at Caltech welcomes Paul Friesen to Caltech. He speaks tonight at 7:30 in the Millikan Boardroom, on the subject of Christian dating relationships. Everyone is welcome! Maybe Paul will tell us about snakes, if we ask nicely. See you there!

French Movies at Caltech

The Francophile Club of Caltech has been presenting a series of French films, admission free to the campus community, on Thursdays at 8:00 pm in Baxter Lecture Hall. All films have English subtitles. For information, call Josette Banroques, x3782. This week's film is: *Forbidden Games*, a film by René Clément.

Caltech's Women Faculty

Ellen Rothenberg, Assistant Professor of Biology at Caltech, will give the seventh lecture of the OWC-sponsored series "Presenting Caltech's Women Faculty" on Tuesday, April 26 at 12 noon in 151 Braun. Her topic will be the recent immunological research she has been doing at Caltech, and the presentation will be aimed at a general audience. Please bring a lunch and learn a bit of neat science!

Caltech SEDS Meeting

At our next meeting, on Tuesday, April 26th at 7:30 pm, in Clubroom B (Rm. 15) of the SAC, we will present a talk by Dr. Thomas McDonough on "The Past, Present and Future of the Space Program: A Personal View." Dr. McDonough is the author of "Space: The Next Twenty-Five Years." Refreshments will be served.

S.P.E.C.T.R.E. of Time Bandits

If you want fun, if you want excitement, adventure and the thrill of your life, then come to the next meeting of S.P.E.C.T.R.E., the Caltech Science Fiction Club, on Wednesday, April 27, with host Mark Looper. Mark will undoubtedly ramble on and on and on, act strangely, and tell a few bad jokes before we kick him out so that we can view our feature film: *Time Bandits*. Oh, by the way, S.P.E.C.T.R.E. T-shirts are still available for the very reasonable price of \$10. (Interested? Contact Eric Christian, x6630). For questions about S.P.E.C.T.R.E. in general, contact Mark Looper, 304-0006. Remember, that's S.P.E.C.T.R.E., the club in which men are real men, women are real women, and small furry creatures from Alpha Centauri are real small furry creatures from Alpha Centauri.

Spring Into Folkdancing

The Pasadena Folkdance Co-op meets every Friday night at Throop Memorial Church at the corner of Del Mar and Los Robles. Beginning dance instruction starts promptly at 7:45 pm with intermediate instruction following. A donation of \$2 is requested. Dancers must wear soft-soled shoes to protect the wood floor. Start this spring off with an active program of dancing. Couples and singles are invited to join the club in dancing after instruction is finished.

Software Toads On Mars

The Division of Geological and Planetary Sciences is still building a camera that will fly on the Mars Observer mission in 1992. Right now, we are looking for a student for the summer to write software in C. Previous experience writing drivers would be useful. The hours can be flexible, but the work needs to be done at our off campus site (a couple of miles west of campus). If you are interested, please call Mike Ravine or Scott Brylow at the Mars Observer Camera Project office, 796-4266. It's an opportunity to work on what little is left of the U.S. space program.

Research Opportunities

The SURF Office has received information from the Oregon Graduate Center Summer Undergraduate Research Experience (OGC/SURE) about research opportunities in such areas as groundwater contamination, fluid dynamics, environmental chemistry, or microbiology. For further information, come to the SURF office, Room 3 Dabney Hall.

Defy Gravity (Almost)

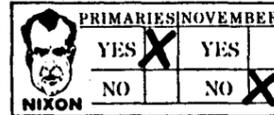
The Caltech Flying Club is continuously looking for those who are or would like to be pilots. If you fit this description, contact Jay Ebersohl in Ruddock, x6182; or Jim Kaufman in W. Bridge, x3807. Either would be more than happy to give you the details on how to become a pilot.

On Science And Mountains

On Friday, April 22 at 12 noon in the Judy Library in Baxter, Arlene Blum will lead an informal talk/discussion on the general themes "Science and Mountains" as part of the ongoing program of OWC noon events. Since receiving her Ph.D. in biophysical chemistry from UC Berkeley, Blum has taught at Stanford, Wellesley, and UC Berkeley, where her research was instrumental in banning a hazardous chemical used as a flame retardant in children's sleepwear. She began mountaineering in 1963, and has participated in more than 15 successful high-altitude expeditions including the Great Himalayan Traverse of 1981-82. Bring a lunch and come meet a fascinating woman!

More Folk

In a rare treat for West Coast inhabitants, John Gorka and Roy Forbes (aka Bim) will be playing Winnett Lounge on Friday, April 29 at 8:00 pm. Gorka has lived in the Bethlehem-Easton area of Pennsylvania for the past 10 years and made its residents and atmosphere the topics of his songs, written in wry narrative style. Accompanying himself on guitar, he sings about a cast of characters from drunks to sidewalk crazies, and places from diners to cow-filled snowfields. Roy Forbes, a Canadian native, had a brief flirtation in the '70s with rock stardom, and these musical roots are reflected by his dazzling guitar technique. Fellow folksinger Connie Kaldor says, "If other singers are lightbulbs, Bim is a laser." Tickets for the concert, co-sponsored by the Caltech Folk Music Society, The Y, and the GSC, are \$6.00 in advance, \$7 at the door, \$3.00 for Caltech students.



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