

Hey, diddle diddle
the cat and the fiddle
The cow jumped over
the moon

THE CALIFORNIA TECH

The little dog laughed
to see such sport
And the dish ran away
with the spoon
—Nursery Rhyme

VOLUME 85

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NUMBER 27



At the largest party in recent Tech history, the Untouchables perform in front of over 1000 students from Caltech, Oxy, and Claremont colleges.

Photo by Min Su Yun

Epstein Is Leonhard Geo Prof

Caltech News Bureau

Dr. Samuel Epstein, professor of geochemistry in Caltech's Division of Geological and Planetary Sciences, has been named the first William E. Leonhard Professor of Geology, President Marvin L. Goldberger has announced.

The Leonhard Professorship is named for its donor, Mr. William E. Leonhard, chairman and chief executive officer of The Parsons Corporation in Pasadena.

Mr. Leonhard began his career in the Army and Air Force, from which he retired at the rank of brigadier general. He next served as director of the Titan III program at the United Technology Center before joining The Parsons Corporation in 1966. He is a member of the National Academy of Engineering and the Council on Foreign Relations. The recipient of numerous awards, Mr. Leonhard was recently named Southern California Engineer of the Year by the Institute for the Advancement of Engineering.

"This chair gives us the opportunity to recognize Sam Epstein's long record of scientific achievement," said Dr. Goldberger. "The new chair is yet another of many 'firsts' for Dr. Epstein, who introduced stable isotope chemistry to Caltech in 1952, and is widely known as one of the earliest, most productive, and creative scientists in this field."

Much of Dr. Epstein's career has been devoted to studies pertaining to the origin and history of geological formations by analyzing their stable isotope composition. Stable isotopes are non-radioactive variants of any given atom which differ only in their mass. Dr. Epstein has used studies of isotopic abundances of hydrogen, oxygen, carbon, and silicon to understand the history of lunar and terrestrial rocks, including ore deposits and petroleum, glaciation, ancient climate, fossils, archeological finds, and to ex-

amine photosynthesis and animal physiology.

Originally from Poland, Dr. Epstein received his higher education in Canada, earning a BSc in 1941 and MSc in 1942 from the University of Manitoba and his PhD in chemical kinetics in 1944 from McGill University in Montreal. He spent the next three years with the Canadian Atomic Energy Commission, extracting and purifying rare gas fission products.

Dr. Epstein began his distinguished career in isotope geochemistry in 1947 as a research associate at the University of Chicago. There he joined the research team of isotope chemist and Nobel laureate Harold C. Urey, working with him on studies that have since become classics of geochemistry. One of their most famous collaborations was to develop

the paleotemperature carbonate scale, which allowed them to deduce the ancient temperature of oceans as far back as 140 million years to the Jurassic era, by measuring the relative amounts of the oxygen isotope

continued on page 4

Nancy Carlton Directs Housing

by Karla Peterson

Caltech has a new director of student housing. He does not wear pin striped suits and he doesn't mind being addressed by his first name. In fact, he isn't even a he. She is Nancy Carlton. Nancy, as she prefers to be called, graduated from UCLA in 1973 and was with the UCLA housing department thereafter. Most recently she headed a 1000-student housing project which had its own food

service, also under her direction.

Nancy started at Caltech just two weeks ago, so she is busy digging out from under the pile of work left by Robert Gang's resignation first term. But she still is interested in meeting students. She's even been seen eating lunch in the student houses.

After getting adjusted, her major concerns are:

Summer Housing—Even though the Master's office has

taken over some of the responsibility this year, there is still a lot of work to be done in summer housing. One problem seems to be the number of outside groups requesting housing this summer. Nancy ran the 2-million-dollar conference program at UCLA and she feels confident that she will be able to deal with whatever situation arises. Her first concern is to house Caltech students where they want to be and then fill in with outside groups—which she sees as merely revenue to subsidize our housing program.

Staffing—A first priority in this area is to find someone to fill the position left by Ivan Zwelling. Further on down the road Nancy would like to hire more undergraduates—part time during the year or full time during the summer.

The New Catalina Grad Apartments—This facility will be ready for viewing late this term and ready for occupancy in September by old and new grad students. (Models of the complex and pictures of the new furnishings are on display in the housing office.)

Food Service—Since Nancy ran her own food service at UCLA she is sensitive both to student needs and the reality of food service costs. Her major concern is increasing food quality and exploring cost-reducing options such as cafeteria style dinner—but only if it met with student approval.

Nancy is very excited about her new job and is looking forward to interacting with students, so drop by and say hello.

SPORTS DAY, MAY 4th, 1984

Sport	Time	Location
Basketball	2:30-5:00 pm	Gym
Football	2:30-5:00 pm	Field south of Gym
Running	12 noon	Track
Softball	2:30-5:00 pm	Field north of Gym
Soccer	12:00-2:30 pm	Field north of Gym
Swimming	2:00-4:00 pm	Pools
Tennis	2:30-5:00 pm	Tennis Courts
Triathlon	4:00-5:00 pm	Track
Volleyball	12:00-2:30 pm	Gym

Faculty-Student Sports Day is Today

by Stewart Peebles

The second annual Faculty/Student Sports Day will be held today, from 12 noon until 7:00 pm. There will be sports activities between 12 noon and 5 pm, followed by some fun games and a barbecue on the Olive Walk. The schedule for athletic activities is included above this article. For each sport, there is a group of grads, faculty and undergrads who are organizing the sport. If you signed up for a sport, you may have been contacted by the organizers. Even if you weren't, show up and expect to play. Anyone in-

terested who did not sign up, but would like to participate, should show up at the appropriate time and place.

Anyone having specific questions should call the Deans' Office.

The run, to be held at 12 noon on the track, will consist of a 5-mile and a 3-mile run and various shorter running events. The triathlon will start at the track at 4:00 pm. It consists of teams of 3 persons: one will run from the track, one swim in the pool, and one bicycle through San Marino. People interested in participating

in the triathlon should show up at the track at 3:30 pm. The teams will be arranged there. Bring your own bike.

Beer and soft drinks will be available throughout the afternoon near the gym.

There will be a barbecue on the Olive Walk and fun events on the Athenaeum lawn, both starting at 5:30 pm. The barbecue is FREE for undergrads-on-board and for faculty; the cost to others will be \$2 per person. A band will be playing between 5:00 pm and 7:00 pm. There will also be a drawing for three prizes.

Come and have fun!

An Unusual Art Show in LA

By Michael Wengler

There's actually something sort of interesting going on in L.A. It's an art show at a building called the Cotton Exchange. It's not exactly like the usual art show. The Cotton Exchange is a big old building which is about half way demolished. A non-profit corporation called Los Angeles Contemporary Exhibitions (LACE) managed to get this building for random artists to do whatever seemed right. Over 200 artists showed up in April to stake out their favorite corners, walls, bathrooms, ceilings, windows, exposed pipes and everything else within the large portion of the building they were allowed to use. By the April 27 opening, all this hectarage was occupied by art made from garbage, grass, pictures, shopping carts, masking tape, paint, sand and an old coffee shop. In addition to the

intentional art, at least a few of the people at the opening of the show should have been on the list of *oeuvres*. In particular, there was a 2m. individual with a blond body wave, black leather pants, high-heeled boots and gloves, a black tank top, and a 2m. boa wrapped around his shoulders. Constrictor, not feather. If I'd been braver I would have gotten his picture, or at least his phone number.

It's free. It's at 106 W. 3rd St., near Main. It's Thurs. through Sun. 11 a.m. to 6 p.m. It's within 3 blocks of an RTD 485 stop (you get them at Lake, 75¢ to downtown). It's liable to be filled with people who are not like you. Students, Attend! It's within a block of the Rescue Mission, which has Free Food and still more people who are not like you. Go now.



Joanna Cazden

Folk Music

Joanna Cazden Will Perform

Joanna Cazden is certainly the most popular performer to appear on campus in the last few years. Since her first concert on campus, organized a few years ago by the Caltech Y, she has been invited back for several more appearances at OWC events. Plus, Joanna helped inspire the founding of the Caltech Folk Music Society and she was the featured performer at the first Society concert. Now, 18 months later, the Folk Music Society is proud to invite Joanna back for their 20th concert. Joanna also made a recent surprise appearance at the Winnett for her friend, Fred Small. Rumor has it that if Joanna Cazden appears on campus just a few more times, the administration may require her to register for classes.

Joanna will appear tonight in Dabney Hall along with a *cappella* trio, Hotte Ayre. Tickets for the concert are \$5 in advance or \$6 at the door, but Caltech students can purchase tickets for \$3, thanks to a sub-

sidy from the GSC. Additional information and tickets are available through the Caltech Office of Public Events box office, (818) 356-4652.

Joanna Cazden is a singer, actress and songwriter who brings an outspoken commitment to justice and world peace to her audiences. With her powerfully beautiful voice, she inspires her audiences with her humor and contagious optimism. Originally from the Boston area, she made concert appearances with Malvina Reynolds, Holly Near and Pete Seeger before moving to L.A. in order to study voice and theater at CalArts.

Lois DeArmond, Aletha Tremain and Robert Lowry perform unaccompanied songs of the British Isles, America and Ireland under the name Hotte Ayre. Seasoned performers from the Renaissance Faire, as well as from other musical endeavors, they will bring to this concert their own unique arrangements, primarily of traditional songs. While a

Yang, Kragh GM Scholars

Sophomores Joseph Yang and Frank Kragh have been named Caltech's General Motors Scholars for 1984. Joe, whose option is Mechanical Engineering, is from Alexandria, Virginia. Frank, an Electrical Engineer, comes from Goshen, New York.

General Motors Scholars receive full tuition for the junior and senior years, a \$200 book allowance, and summer work experience at one of the GM labs.

Each spring the General Motors competition is announced to all eligible sophomores. Freshmen who have interest in working in the automotive industry should watch for their notification letters next March.

Current GM scholars are juniors Richard Murray and Steven Roy, and seniors John Chang and Tom Kupiczewski.

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SAM PECKINPAH NIGHT—
Bring me the Head of Alfredo Garcia 7:30

The Killer Elite 9:40

Saturday Evening in Baxter Lecture Hall
Students, \$1 All Others, \$2

The Caltech Y Fly-by

Friday... May 4

Today is Sports Day... Be there! No Noon Concert but Caribe will be on the Quad at 5:30 pm.

Monday... May 7

Peter Zimmerman, East German minister and peace activist will be in the Y Lounge at 7:30 pm for a World Affairs Forum discussion. Co-sponsored by the Caltech Y.

Thursday... May 10

"Making the World Safe for Conventional War," a discussion with Dr. Freeman Dyson, Princeton physicist and author of "Weapons and Hope," Winnett Lounge at noon.

Saturday... May 12

Day Hike up Mt. Baldy. Leaves at 8 am. The Y will provide transportation to the Renaissance Faire. Sign up at the Y.

Last Chance! To vote in the California Democratic primary on June 5, you must register in the state by May 5—you can register at the Y. It only takes two minutes, so don't miss your chance to have a say.

For more information, contact the Caltech Y office at 356-6163, or just drop in.

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The Body Shop

Guide to an Ideal Protein Diet

In the ideal diet, protein should comprise only 10-15% of daily calories and fats no more than 30% of daily calories, so it makes good nutritional sense to put more emphasis on low fat vegetable sources of protein and less on fattier animal protein. Our daily requirement of protein should be comprised of two-thirds plant sources and only one-third from animal and dairy products. A glance at what we should be doing gives rise to thoughts of a vegetarian diet. We do not have to turn towards total vegetarianism, but to incorporate some of the ideas and concepts could be valuable.

There are basically two (types) of protein: complete and incomplete. Complete proteins refer to protein sources that provide the 8 essential amino acids which the body cannot produce. Animal and dairy products are usually categorized as completes. Incomplete proteins—mostly plant sources, do not contain all the 8 essential amino acids.

To complete an incomplete protein can be a bit puzzling; you must know how to combine vegetable sources in such a way that the strengths of the essential amino acids in one source compensate for the weakness of the other source. To combine vegetable protein equivalent to the protein in meat products. Legumes with grains (rice, wheat, corn, oats, and barley), legumes with nuts and seeds (sesame, sunflower seeds, peanuts, etc.), and any vegetable source with eggs and dairy products. Legumes, especially soybeans, are the richest source of vegetable protein. Our more common green peas and beans are not high-protein foods, and should not be confused with those in the category of legumes.

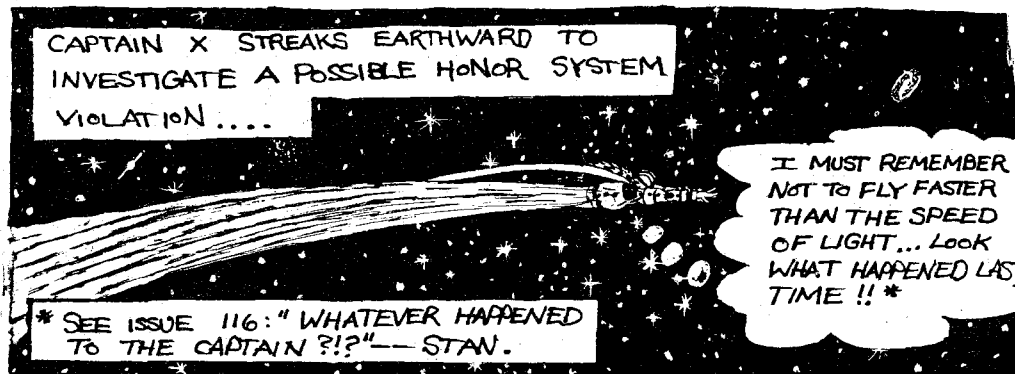
The importance of the nutrient protein has caused many to overindulge in high protein foods. Our increased consumption of protein can contribute to overweight, regardless of the fact that the protein's main function is growth and repair of tissues. Realizing that protein can be one culprit to overweight, one might believe that elimination of protein sources would be a cure—WRONG. The body does not store protein, therefore making it necessary to consume protein daily. One day without protein in our diet, and the body begins to break down the protein in the non-essential tissues, i.e. muscles, and uses it to reconstruct the protein needed by organs vital for survival. Even when the amount of protein in the diet is adequate, inactivity, illness, injury and emotional stress can cause the body to lose more protein.

Protein is probably the most difficult nutrient to balance in terms of achieving and maintaining good health. We need to become aware of not only the amount of protein we are getting, but also whether it is complete or incomplete, the amount of saturated fat it contains and how efficiently it will be used by the body. The body utilizes each protein source differently. Milk products and eggs are used more efficiently in the body than meat, poultry or fish. Also these milk products can contain less fat and cholesterol than meats, and be higher in carbohydrates. Perhaps all that is necessary may be a revision of our protein sources in order to meet our nutritional goals for better health and longer life.

—Janice Ramaeker
Young Health Center

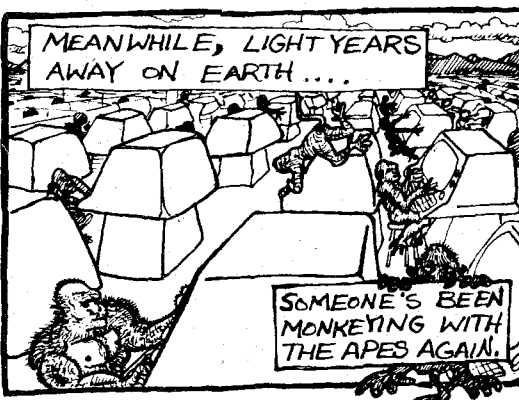
TALES OF CAP'N

UNFAIR ADVANTAGE



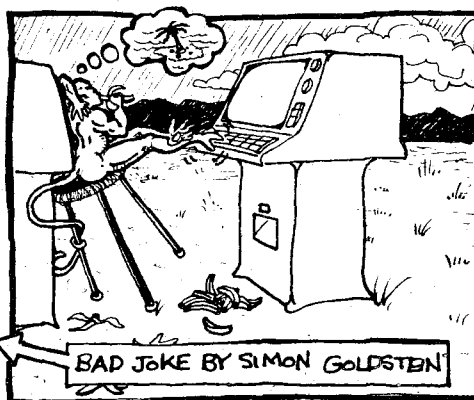
* SEE ISSUE 116: "WHATEVER HAPPENED TO THE CAPTAIN?!" — STAN.

I MUST REMEMBER NOT TO FLY FASTER THAN THE SPEED OF LIGHT... Look WHAT HAPPENED LAST TIME !! *



MEANWHILE, LIGHT YEARS AWAY ON EARTH....

SOMEONE'S BEEN MONKEYING WITH THE APES AGAIN!



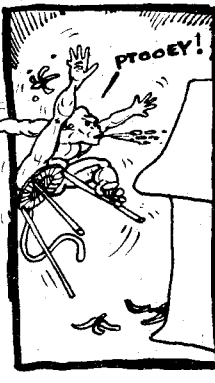
BAD JOKE BY SIMON GOLDSTEIN



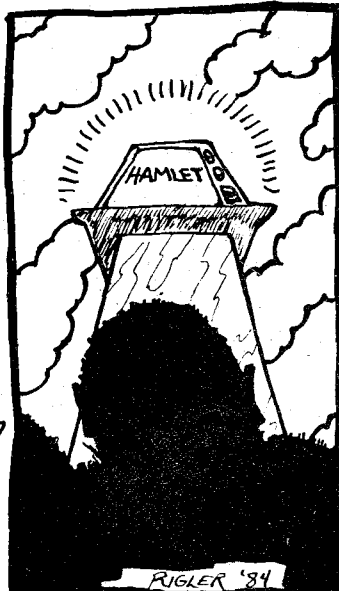
THIS REALLY BITES!



GASP!!



PROOY!



HAMLET

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Epstein Appointed

from page 1

of mass 18 compared to oxygen of mass 16 in marine fossils in sedimentary rocks.

Dr. Epstein joined the Caltech geology faculty as a research fellow in geochemistry in 1952, and was appointed professor of geochemistry in 1959.

Dr. Epstein's contributions have been widely recognized by his peers in the scientific community. In 1977, he received the Goldschmidt Medal of the

Geochemical Society, followed in 1978 by the Arthur L. Day Medal of the Geological Society of America. He was elected a member of the National Academy of Sciences and a member of the American Academy of Arts and Sciences in 1977, and served as president of the Geochemical Society for 1978-79. In 1980, he received an honorary doctorate from his alma mater, the University of Manitoba.

Inside Information

Using Current Contents

By Dana Roth

Have you ever had the experience of trying to find a reference to a journal article when you only remember a fragment of the title or the author's last name? Well, say no more. If the journal article was published in one of the 4,000 or so "important" journals covered by the Current Contents/Science Citation In-

dex, your troubles may soon be over. This, because each issue of *Current Contents* has indexes both by author's names and by title words for all the articles in these 4,000-plus journals.

Current Contents is a weekly publication that reproduces tables of contents of individual journal issues. It is published in six editions covering the major journals in all areas of science, engineering, humanities and the social sciences. It is generally used by researchers interested in regularly perusing the contents of journals in their fields.

Current Contents—Life Sciences (Millikan Library, 9th floor), for example, in addition to the tables of contents, has both an author index and a keyword index (title words) in each issue.

The publication of *Current Contents*, however, is only the first phase of an interrelated production process. The contents information—namely, the author's names, addresses, the article title and the journal reference for every article listed in each *Current Contents*—is then converted into machine readable form for production of the *Science Citation Index*, the *Social Science Citation Index*, or the *Arts and*

Humanities Citation Index. The inclusion of *Citation Index* in the titles of these indexes, however, is something of a misnomer.

The *Science Citation Index (SCI)*, for example, is actually three different indexes; The *SCI-Source Index* (contents information alphabetically arranged by first author), the *SCI-Permuterm Index* (two word combinations of significant words in the article titles), and the *SCI-Citation Index* (the citations from articles appearing in *Current Contents* alphabetically arranged by first cited author).

These *SCI* indexes are published bimonthly, superseding the indexes in the corresponding issues of *Current Contents*, and are cumulated each year. There is a ten-year cumulation of 1955-1964 followed by five-year cumulations with the latest being 1975-1979.

These three indexes are available in Millikan (2nd floor) in the printed format you are probably familiar with and are also available in an online computer searchable file known as *Sci Search*. Please contact Dana Roth (x6423) or Jean Anderson (x4521) for additional information or to have a search done for you.

The Inside World

Blacker:

Ooo. Boy. I'm hopping mad. Ooo. Censorship. It just makes me mad. Ooo. I'm just so angry, I could just throw a tizzy. Darn! Rats! Heck! Gosh! Dang! Oh, I could just stamp my foot! Beans! Doo-doo! [edited] Dag nab it! Caca! Dosh garn! Golly!

—Billy-Jim-Johnny-Fred-Cassius-boy

Dabney:

"Dabney House—A world of sighs." The term "party vegetables" was coined here last weekend. (A party animal goes to parties to have fun; a party vegetable is having so much fun that he decides to go to a party; a party mineral goes to parties and doesn't enjoy them.) Speaking of parties, there's a Dabney House Beach Party coming up on Sunday. Just comb the coastline and you'll find us. And next weekend (May 12), we're co-sponsoring a party with the GSC. Preston Smith & the Crocodiles will be there live. Room pick for the upcoming year was Wednesday, and the entirety of Alley 4 was taken over by lemurs.

—A Darb

Fleming:

This past Sunday was the Alumni softball game, and despite having Mike Kilby, the Alumni won by a couple of runs. Afterwards, Randy and Roguehamel proved they couldn't hold their beer (the normal way) in the 6-man lift, to the sickening pleasure of Steve Toner.

Saturday night is the Party of the Century for Third Term III in the Penthouse. The day after (for the boys) is the Discobolus soccer match; 12:00 at the North field.

—Al Fansome

Page: No entry.

Lloyd: No entry.

Ricketts:

Well, what more can I say? Midterms are a week behind us and the end is almost in sight. The major event of the week in Ricketts was a rally held in honor of your oppressed brothers on the other side of the Iron Curtain. That's right Lech, Ricketts held their annual tribute to the uncrushable (although perhaps showerable) spirit of people by holding a major rally on behalf of Polish Constitution Day Eve. There was also a house meeting last night on more local matters, and the weekend is the annual escape to Capra Ranch. That's about it, but remember, *Solidarnosc*.

—Bob

Ruddock:

Well, gee, it's been pretty boring around here lately. Let's see... This weekend we have a beach trip. I forget where it's to, but there will be food and drinks, and hopefully even some sun. The change of power continues in Ruddock as the appointed officers and UCCs were picked last night. But since I wrote this yesterday, I can't tell you who won. Finally we've passed the midway point of third term. Summer's not far. (How many days, Evan?) *The streets are paved with fire—I will not get burned.* But how could I forget? We have a new member of Ruddock house—Jennifer Lillian (Bubba Jean) Kremer. Congratulations to Rick and Deb.

—Hos

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Cal-Bel Teaches Cricketers Lesson

by Brian Warr

Creamed, yes, but far from disgraced. Caltech nobly took their lessons from California-Belize as they went down by 52.

Cal-Bel, currently heading the Southern California Cricket Association, are quite literally out of Caltech's league. Resting their two best fast bowlers, they could still rely on no less than six fine, accurate medium pacers. Scoring against them was impossibly difficult. In Caltech's 30 overs there were an incredible 13 maidens. The all-out total of 38 obscure what was in fact a good, solid batting performance, representing a considerable improvement from the somewhat spineless displays in March.

Amusingly, Ram struck a note of defiance at the close of the match as he hit the game's

only six with a well-timed clip to square-leg.

At the start, Cal-Bel, electing to bat, were lucky not to lose their openers in the first two overs. But then they rode their luck well, punishing balls clinically for four. The score had rocketed up to 37 off just seven overs before Rakesh found a thin edge taken neatly by Ram in the slips. This began a really fine spell by Rakesh. He bowled the next batsman first ball, bowled another for just a single, and then made a great catch off his own bowling. He and Zeta (9-2-23-2) had wrested control, reducing the score to 66-7. Spirited batting added another 24 before Rakesh came back on to take two more wickets, earning final figures 10-3-2-23-6.

That total of 90, however, was always going to be enough.

Fri.	5-4	All Day	Women's Tennis
Sat.	5-5	All Day	Women's Tennis
Sat.	5-5	All Day	Track
Mon.	5-7	2:00 pm	Baseball
Tue.	5-8	3:00 pm	Men's Tennis
Thu.	5-10	All Day	Men's Tennis
Fri.	5-11	All Day	Men's Tennis
Fri.	5-11	All Day	Track
Sat.	5-12	All Day	Men's Tennis
Sat.	5-12	All Day	Track

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NAIA District III
NAIA District III Prelims
NAIA District III
NAIA District III Finals

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Cal Lutheran
UC Santa Barbara
Cal Lutheran
UC Santa Barbara

Women's Waterpolo Team Has Mixed Success

by Skip's Niece

During the summers he drives tractors in the Indiana outback. In the winters he studies to be a plastic surgeon. His humble upbringing—son of a K-car machinist—brightens his smile and shimmers in his eyes. He is the top young coach, possessing qualities like the greats: the loud commands of Clint Dodd and the spit of Scott Laurence. Only his pool game is hurt by his under-21 age.

His position is one of the most unique and sought-after at Caltech. Not only does he work with 13 women in the sport of the Gods, waterpolo, but their average age is a mature 22.5. This is quite a feat for any undergraduate, especially a Flem. Yes, the Doc is amazing.

His team, however, was less than amazing in their April 13 outing. The game was played on the tropical island of Sagehen, at the site where the Claremont, Pitzer, H. Mudd, and Scripps Rivers join Pomona Bay. The island is named for the large chicken-like people that inhabit it. These Sagehens, plus a couple of species that live near Sagehen isle, made up Caltech's opposition.

The intimidation of Doc's women by these freakish mutants was the biggest reason for their defeat. Other unsettling factors were the unknown hour time difference between Sagehen and Caltech and the spectacular but blinding sunset over Pomona Bay. Caltech managed just two goals, both by Katie Penny forcing the ball through a forest of opposition arms on man-ups. One particular Sagehen, Queen Kong, proved to be unstoppable, terrorizing the Caltech goalkeepers into submission. She threw in the game winner several times over.

The loss was frustrating for Caltech, especially since several dignitaries had traveled quite a distance just to watch the match. The ASCIT president, the Ruddock president, Randy Reed, Harri, and Martin were all there suffering along with Doc. One of them, though, provided the best consolatory remark toward the end of the game: "Don't worry about the goal," he said. "You're a lady and she's a brute."

Next Doc's gang played in a

tournament held at Whittier College on the 28th. Due to the invisibility of the Oxy team, Caltech was relegated up into the "Far Superior" grouping. This meant being able to sleep in as well as playing brute teams in the opening round.

In an amazing switch to rational and prudent action, the athletic department made the proper preparations to the pool deck (the first time around!) and allowed the women's waterpolo team to practice with new goals all week prior to the tournament. It was certainly a treat for the ladies to use new equipment without as much as one lecture on how normal use causes abnormal wear.

Riverside A was the first opposition for the Techers that sunny Saturday. Unfortunately, it was not an auspicious start. The ladies held their own for the first half, behind a point at 4-3, in spite of losing Katie Penny on three ejections and Lark on a paranoia ejection. But in the second half the piano fell on Caltech in the form of body-crushing driving-picks, causing the score to multiply on the Riverside side. Stats are sketchy from the game. Rosik got two goals, Ute one, and two more came from

somewhere else for a total of 5, while Riverside had a score of x, where x is the solution to the solution to the transcendental equation $3x^3 + 100x + 301 = z^x$.

The second match was the match of the tournament, not worth missing for even a scuba dive in Santa Barbara. It was the third rematch between Caltech and Pomona, and everyone in the crowd was rooting for the Beaverettes. Riverside provided Doc with the Pomona game plan, as well as cheerleaders for the game. The Techerettes were tough, battling to the point of a black eye on one certain left hander. When the froth settled, Pomona had managed to be victors again, 7-4, though Doc was so pleased with the effort he almost giggled.

The last game of the day for Caltech was a breeze. The lassies dominated Riverside B more than the 10-6 score showed. Trachok played in goal the whole game, stretching her way to some finger-tip saves, while teammates pounded shots at the opposition net. Not much more can be said except that it was a fine game.

Caltech plays at home this Saturday at 10 am. Be there to see secret agent BBQ-JPL in her debut.



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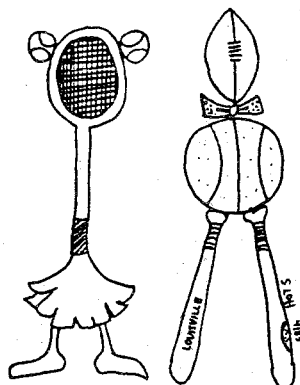
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Economy



CHEVROLET

Food For Techers

Szechuan Express

140 S. Shoppers Lane
304-9325

Looks like a fast food joint, but they share their kitchen with the main restaurant Jasmine next door. Recommendation: order a la carte, as at any other Chinese restaurant—the combinations aren't as good. Excellent Chinese food at a very good price. Walking distance. **½

Kabuki

3539 E. Foothill Blvd.
351-8963

The notable feature here is the sushi bar, where it is quite easy to consume \$20 of sushi per person. However, if you get there just when they open at 5:00 (4:30 on Sundays), you'll get a seat at the sushi bar for Happy Hour—90 minutes when all sushi is half-price. Quite a bargain for \$10. ***½

Barney's

93 W. Colorado Blvd.
577-2739

Set in the heart of Old Town Pasadena, Barney's has a very nice, youthful atmosphere. The servings are all large and extremely tasty. The ribs dinner (their most expensive, at \$7.95) is not on the menu, but is worth trying. Other features are an extremely large collection of domestic and imported beers and live entertainment of Friday and Saturday nights. ***½

Cheap Eats

By Nick Smith

There are three basic kinds of "going out to eat." The first kind is when things are going very well (or very badly), and you want to have some fun to celebrate or cheer yourself up. (This can be done individually or in groups. The principle doesn't really change.) The second kind is when you're already away from home, and it's more convenient to eat out than to return home, interrupting the rest of your activities. The third kind of going out to eat is when YOU JUST CAN'T STAND IT ANY MORE and you don't want to look at

whatever Food Service or your refrigerator have to offer.

In the first case, money isn't much of an object, since you're at least spending money in a good cause. However, in the latter two cases, what you're probably looking for is a way to get the best meal for the least money. Well, that's what this column is all about: CHEAP EATS!

Now, the first thing you should try to remember is that old philosophical principle: There Ain't No Such Thing As A Free Lunch. In practice, this means that there is usually a minimum that you can expect to spend for any type of food that you plan to: (a) Eat; and (b) Survive Eating. This minimum varies with the type of food. Thus, you can nor-

continued on page 7

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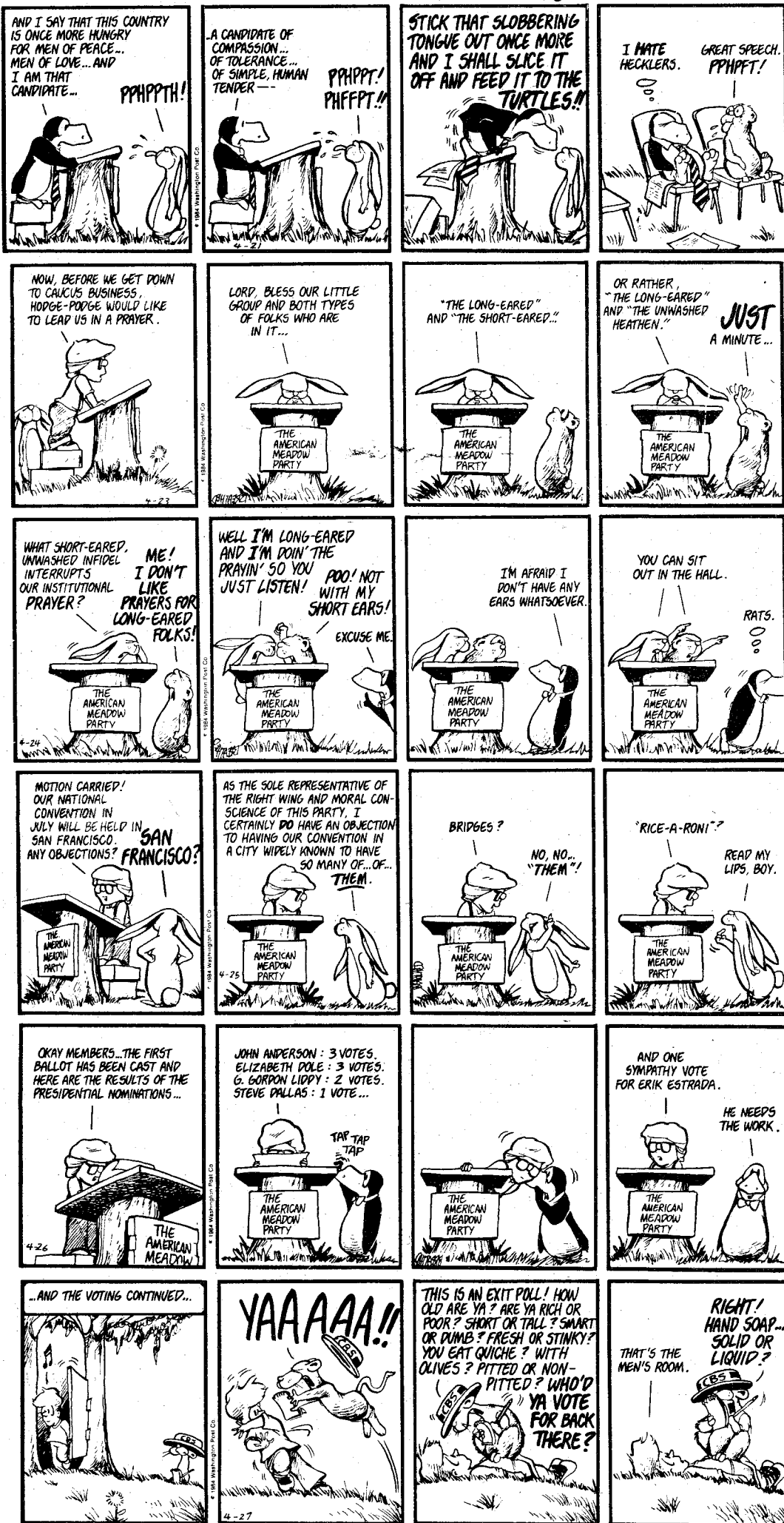
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BLOOM COUNTY

by Berke Breathed



Restaraunt

from page 6

mally expect to spend more for Veal Cordon Bleu than for a Cheeseburger, assuming comparable quality. (In practice, you can spend more for a Cheeseburger at some places than a frozen Veal Cordon Bleu would cost at your grocery store, but that's another problem entirely, and will not be mentioned again this week.)

The second thing to consider, in your quest for inexpensive but palatable food, is just how much difference the atmosphere of the restaurant makes to your enjoyment of a meal. If fancy surroundings are necessary to your enjoyment, so be it, but remember that

you've got to pay for the fancy stuff. If you just care about the food, your bill will be a lot smaller.

With these things in mind, we will begin our eating tour of establishments, broken down into two basic categories: Under \$10 for a full meal, and Under \$5 for a full meal.

First, we have a relatively new restaurant, Edokko, in the 3500 block of Colorado Boulevard, a couple of miles east of Tech. This is a unique Japanese restaurant, in that it is an all-you-can-eat buffet. The price for lunch is \$3.95, with a \$6.95 dinner. You simply wander through a cafeteria-like line and pick out your favorite munchies. The selection includes a variety of tempuras, sushi, sashimi, and other interesting dishes. The in-

redients are of good quality, although some of the seasonings are a bit unusual. Until you add a bit of soy sauce, some of the sushi are a bit sweet compared to most local sushi bars. The lunch is from 11 to 2, dinner from 5 to 9 or so. The only real rule is: No Wasting Food! Since you can go back as many times as you want, they are very touchy about people leaving food uneaten on the plates, and you will be charged a small extra fee if you waste significant amounts. The atmosphere is pleasant, sort of a light Japanese motif with rock music being played in the background. Not traditional, but fun. The staff is pleasant and helpful. Drinks are extra, but the food is such a bargain that you won't care. Stuff

yourself on sushi and other good stuff. Warning: the tempura is only good when it's first put out on display. It sogs up if you let it sit too long, so get it when it's freshest.

In the Under \$5 category, this week's entry is the Little King Deli, a new place that just opened up near Hill and Colorado, across from PCC and sandwiched (I couldn't resist) between Carls Jr. and Jack in the Box. Regular sandwiches range from two to three dollars, with larger versions as high as \$4.65. You can get something ordinary if you really want, but the good stuff are the specialties. The Taco Sandwich is a spicy hot beef and cheese thingy. The Royal Treat is a mixture of good deli meats. The Seafood Salad Sandwich is excellent. For an extra 40¢, you can get a small salad and a pickle to go with your sandwich. Soup is 99¢, or \$1.09 for

chili. Meal-sized salads range from \$2.34 to \$2.89, and include Antipasto, Seafood, Taco, and others. A slightly wider variety of drinks than some other sandwich shops, with Coke, Diet Coke, Sprite, Root Beer, Strawberry Soda, Iced Tea, Hot Chocolate (in season?), Coffee, Milk, Lemonade, Orange Juice, and sometimes, Beer (a new item, and not at lunchtime). The largest sandwich combined with the largest, most expensive drink, would run you about \$6, but a normal combination would be only about \$3 for food and drink. A good bargain. The service itself is variable, but thus far never actually bad.

Those are our Cheap Eats tips for the week. Send in your suggestions for the types of places you would most like to know about.

BLOOM COUNTY

by Berke Breathed

AND THIS, THE VOTES WERE VOTED AND THE DELEGATES DELEGATED... AND BY GOLLY, THE PRESIDENTIAL NOMINATION APPEARED ALL LOCKED UP...

OH NO... OH NO NO NO...

YES, THE PEOPLE HAD SPOKEN... AND THEY HAD SAID...

BILL THE CAT!!

...WHICH PRESENTED THE SEASON'S FIRST POLITICAL CRISIS.

HE'S DEAD!!

YEAH, WELL, SO WAS GARY HART.

POUND!

WHEW! ALL OVER! AS PREDICTED, IT PROVED TO BE A RAUCOUS CAUCUS INDEED!...

BUT NOT, FORTUNATELY, WITHOUT CONCRETE RESULTS... FOR THE AMERICAN MEADOW PARTY NOW HAS THEIR FIRST PRESIDENTIAL CANDIDATE... **BILL THE CAT**...

...WHO, AS EVERYONE IN THE FREE WORLD MUST SURELY KNOW, IS UNLUCKILY AND IRREVERSIBLY DEAD AS A HERRING...

...NEVER, BUT NEVER TO BE SEEN OR SMELLED AGAIN.

WINK! WINK! WINK! WINK! WINK!

AND NOW! AVAILABLE AT LAST! THE IBM 4000 PC SR SYSTEM... BUT NOW FEATURING TINT CONTROL!

HACKERS, AS A RULE, DO NOT HANDLE OBSOLESCENCE WELL.

OLIVER WENDELL JONES! I HAVE SOMETHING FOR YOU!

COMING MOTHER.

HERE.

A GLOVE?

A MICHAEL JACKSON GLOVE! FOR MY OWN LITTLE MICHAEL JACKSON!

WELL, THAT'S VERY CONSIDERATE OF YOU, YES. A "MICHAEL JACKSON GLOVE" YOU SAY?

LIKE IT?

I'M IN PARADISE. WHERE'S THE OTHER ONE?

SO! I UNDERSTAND YOUR MOTHER'S BEEN WORKING ALL DAY TO TURN YOU INTO "HER OWN LITTLE MICHAEL JACKSON", EH, SON?

TRAGICALLY, IT IS TRUE.

WELL, YA LOOK TERRIFIC! BOY, SHE DIDN'T MISS A DETAIL, DID SHE? NOPE! NOT A SINGLE... UH...

SON... WHERE'S THE REST OF YOUR EYEBROWS?

FLOATING IN THE HALL TOILET.

THAT BIG CLOUD LOOKS LIKE A FLUFFY CASTLE TO ME. WHAT'S IT LOOK LIKE TO YOU, OLIVER?

A LARGE, CUMULUS CLOUD.

OH, THAT'S GREAT. A TYPICALLY COLD SCIENTIFIC RESPONSE. YA KNOW, IT'S THAT VERY SAME LACK OF SOUL WHICH ALLOWS BRAINY TYPES SUCH AS YOURSELF TO GROW UP AND CREATE SCIENCE WITHOUT CONSCIENCE... LIKE THE ATOM BOMB!

SO TURN OFF THE CALCULATOR, OLIVER, AND TURN ON THE SOUL!!

NOW, WHAT'S THAT CLOUD LOOK LIKE?

AN ATOM BOMB.

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announcements

Master's Tea

Thursday, May 10. 2:30 to 4:30 pm. All undergraduates welcome. Call Carmela Kempton at x6195 for information, such as the location.

Dinner Winner 2

Don't forget that the *little t* is offering five prizes of \$20 (sponsored by the Master's office) towards dinner for two at an as-yet unreviewed restaurant.

Each week, one review is being drawn at random from all of those received, and the reviewer wins \$20 toward eating at (and reviewing) a new restaurant. Only the first three reviews of any given restaurant will be put into the drawing, and only significant changes to previous reviews will be accepted. The prizes are open to undergrads only, but submissions are welcome from everyone.

This week's winner is Julian West, who submitted reviews of Kabuki and three other local restaurants. Send your entries to *little t*, 107-51. You could be the next winner!

Shabbat Services

Friday night services will be at 7 pm instead of 5:30, starting tonight. Come celebrate the Sabbath in the Y Lounge, upstairs in Winnett Center. Sponsored by Hillel.

CLAGS

CLAGS will be meeting again this Sunday (2 pm, 210 Baxter). We'll discuss our upcoming beach trip, and make plans & posters for the May 25th dance. Everyone is welcome!

Poetry Workshop

The Y Lounge Poetry Workshop meets the second and fourth Tuesday of every month, 7:30-10:00 pm. Next meeting is May 8. Don't be shy. Bring a piece of your work for the group to discuss. All poets, poetry welcome. More info, call Kathy Watts, x6955.

OWC Open House

The Organization for Women at Caltech is having an Open House on Thursday, May 10 from noon to 2 pm and 4-6 pm in its new office. It is hoped that the room will serve the Caltech community as a Women's Resource Center and meeting place. Everyone is invited to stop by, enjoy some refreshments, meet new people, and browse through the OWC's collection of books and magazines. The office is located in the basement of Dabney House (not Dabney Hall) and there will be signs marking the way there from Winnett. For further information call x4778.

Career Counseling

The Alumni Association and the Gnome Club are sponsoring a Career Counseling Program on Monday, May 7 from 7:30 to 9:30 pm at the Alumni House, 345 South Hill. The topic is "Careers in Physics and Applied Physics in Aerospace Industry." The speakers are: Peter Mason, BS '51 Ph, MS '52 ME, PhD '62 EE, Group Supervisor, JPL; Carl Rice, PhD '70 Ph, Department Head, Aerospace Corporation; and Acey Floyd, PhD '54 Ph, Senior Scientific Advisor, Lockheed Aircraft Corporation. Refreshments will be served.

Israeli Strategist

Yoau Ben-Horin, military and political analyst at the Rand Corporation, will speak and answer questions Thursday, May 10, at 4:45 pm in the Y Lounge. Sponsored by the Caltech Hillel.

Drama Meeting

There will be a Drama Club meeting this Thursday, May 10, at 8:00 pm in Clubroom 1. Anyone interested in drama is invited. We must elect a new president and other sundry details. [And if you've ever elected a sundry detail...]

Second Annual Pi Run

The Organization for Women at Caltech will hold its second annual "Run for the Pi" on Saturday, May 19 at 8:30 am, starting at the Caltech track. There will again be a one (1) mile Fun Run and a 5K race for the more (or less) serious competitor. Prizes will be awarded for the top finishers overall and for the top age group competitors. After the races, all are invited to partake in a Pancake Breakfast at Tournament Park and to take their chances on winning a prize at the awards ceremony.

Entry fees will be \$2.50 for faculty and staff, \$1.50 for students and children, with a maximum family fee of \$5.00. The Pancake Breakfast will be \$2.50 for adults, \$1.50 for children.

Volunteers are also needed to help organize the races and breakfast and to officiate the day of the race. If you would like to participate in any capacity, please contact Chris McDade (x6576, 127-72), Patty Pratt (x6718, 202-6), or Cheryl Contopulos (x6470, 170-25). Race entries and breakfast reservations can be made with the same people.

Mark your calendar and get in shape for good competition and good food!

Pather Panchali

The Students from the Indian Subcontinent will be showing *Pather Panchali* (subtitled) at 6:30 on Sunday, May 6 in the Baxter Lecture Hall.

Admissions for Caltech Students, \$1.50, includes refreshments. For further information, call Santosh at 578-9171.

Memorial Service

A memorial service for the six million Jews and millions of others who died in the Holocaust under the Nazi Regime will be held *today* at 11:45 a.m. in front of Millikan Library. The service will be led by Rabbi Michael Perelmuter. Everyone is encouraged to come. It is sponsored by the Caltech Hillel.

Deli Dinner

Sunday May 6 at 5:30 the Caltech Hillel will be sponsoring a deli dinner in support of Soviet Jewry. Dinner will be held in the Red Door Cafe. A \$3.00 donation is requested.

Caltech Bayit

There are openings for students to live in the Bayit next year. The Bayit, Caltech's Jewish house, serves Kosher food and celebrates the Sabbath and holidays. If you would like to find out more, please call 793-3859 any time except Saturday.

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APARTMENT FOR RENT: Unfurnished studio apartment in small complex. Near Caltech, \$515 per month. Call Mary at 289-4088.

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EE GRAD STUDENT needed for circuit design, PCB layout, and prototype breadboard construction. Experienced undergrad considered. Send resume and salary requirements to: Mr. E. Brown, P.O. Box 7000-622, Redondo Beach, CA 90277.

HELP WANTED. Test question writers. \$5-\$20 per question. Mechanical comprehension, data interpretation, and general science. Call Psychometrics at (213)829-0248. Ask for David or Pat.

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