Vote To Be Held On Waited Meals

On Monday, May 14, there will be a vote concerning the style of Food Service next year. It has become clear that there are differences between the waited and non-waited styles of service beyond simple cost considerations. It is a summary of the two services submitted to the Food Service Committee by Servomation that we feel may be taken as representative and will hopefully enter into your decision on Monday.

Five Profs to NAS

Attdard, Berg, Cohen, Goddard, and Stone

Caltech News Bureau

Five members of the Caltech faculty have been elected to the National Academy of Sciences this year, just three of their distinguished and continuing achievements in original research. They are: C. Altair of the Academy in 1963.

In this year's elections, only 2 of the 5 who voted for the Academy.

The caltech members are: Giuseppe Altard of physics; William A. Berg of chemistry and applied physics; and Edward C. Stone of geophysics.

Dr. Altardi's studies gene expression in human mitochondria, and Dr. Berg's research is on the structure of quasars. Dr. Stone has concentrated his research on planetary magnetospheres and solar and galactic cosmic rays. Cosmic rays are streams of high-energy particles bombarding the earth. Dr. Berg has been working on the mechanism of bacterial motion.

Dr. Altardi received his M.D. from the University of Padua, Italy, and came to Caltech in 1959 as a research fellow.

Dr. Berg has been working on the basic mechanisms of chemical synthesis. He is the chairman of the Institute of Chemistry and Physics.

In addition to the Caltech faculty members, also elected to the Academy this year was Margaret W. Conner, currently a Bernard Fairchild Distinguished Scholar in Residence at Caltech. Dr. Bergman, a longtime Caltech faculty member, is now at U.C. Berkeley.

Sympoism on Responsibility

The symposium will be moderated by Harry B. Gray.

The symposium on Responsibility will be held at Caltech. The panelists include: Marshall Cohen, professor, radio engineering; John Barry, Edie and Lew Wasserman professor of philosophy, and Helen and William Bassett professor of history; and Brian Barry, Edie and Lew Wasserman professor of philosophy, and Helen and William Bassett professor of history.

The symposium will start at 4:00 p.m. at Caltech's Remo Auditorium. Admission is free.

The symposium will be held at Caltech on Monday, May 14.

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Food Service Vote on Monday

from page 1

which includes the same cafeteria style lunch and a staggered time cafeteria style dinner. Our intent with a staggered time cafeteria style dinner is five fold.

1. Serve each house separately at ten minute intervals, so that the house members still have the opportunity to eat together and have house announcements.

2. Provide a wider selection of choices. We plan on doing this by offering the same menu plan we have now: 2-entrees, 1-starch, 1-vegetable, salad, rolls, dessert and non-meal meeting to the needs of the students that are vegetarians.

3. Utilize batch cooking techniques, which means that all food that is better, more appetizing, and fresher because they are "right from the oven, fryer, steamer, or grill" and don't have to stand on the steam tables.

4. Cost savings in food because we eliminate the waste associated with a one-meal-a-day board contract, in which the food is served, waiters, special meals, and dorm kitchen equipment.

5. 3% savings, [3% of total costs, 14% of raw product cost]

6. Cost savings in labor because by utilizing student labor as servers in the serving line, we can cook and dish washers but have the labor spent on bussing dishes and serving instead of in the kitchen rooms.

For the two styles of meal service are as follows:

Plan 1—Cafeteria style lunch $3.21, family style dinner $3.82. cafeteria style dinner $4.21; $7.06/day, $125.20 for 170 days.

Plan 2—Cafeteria style lunch $3.21, family style dinner $3.82. family style dinner $4.21; $7.06/day, $120.00 for 170 days.

The per meal breakdown is always 40-60 lunch dinner, waited or unwaited dinner will not alter lunch service—AWJ

Letters

Getting on Board; Don't Steal

To the Editors:

As a member of the food service committee, I would like to point out that the food service committee does and also to convey to you a few more ideas.

The function of the food service committee is to be an official link between you, the student, and Servovation. This does not necessarily have to pertain to the quality of the food or the quality thereof, but it usually does. In each house we usually discuss the last week's menu item by item, commenting on each house's attitude toward the food house liked or disliked it, and if they disliked it, we tell how it was prepared, etc. The food service committee also discusses budget proposals, the manner in which the food is served, waiters, special meals, and other topics related to food service.

So far this year we have suggested the improvements you have tasted for other meals.

I am impressed with the students' views are invited to write me at 2. Religious—a note from your clergy might be required. 3. Quasireligious(vegetarian) center; a giver only.

4. Aah waiters—see the MOSH.

5. Students living off campus.

To get off board go to the Master. It's in charge of it.

First message from Servovy: they would take all their dishes, stockpile, return from the kitchen and forget to return all those fish in the inventory, if you don't, guess who pays for it?

Second message: there have been complaints that people are taking more food than they should consume in one meal. I'm not sure who this complaint is directed at, but in my opinion you should take only the food you can consume that day (milk excepted). That means stop going for the seconds. Also, if you are on a one meal-a-day board contract, then it's your privilege to take extra food from one meal and use it for other meals.

Respectfully submitted,

—Chris Hull

Bidding Opened for Food Service

To the Editors:

For the past several weeks a debate has been raging over who to hire as the food service for next year. At the end of the second term, a vote was taken in some houses concerning the opinion of opening up the bidding. The known results were 97% in favor of opening up the bidding. The petition was signed by half of the California Institute of Technology, 85 Number 28

Food service in favor in Reddick, and Page voted 100% to open it up. During the Monday... May 12

Mr. Baldy Hike leaves at 8 am.

Renaissance Pleasure Faire—The Y will provide transportation today only, but tickets are available at the Y for 3 dollars, and are good for any weekend until June 10.

Monday... May 14

"Ignore ignorance is blasé; The Genius, Art and Science," the Reality of Knowledge, a symposium, 8 pm in Ramo Auditorium. Admission is free, presented by the Y in association with the Mark Taper Forum of Los Angeles. This will include Brian W. Aldiss, Colin, and Jerome McGann, and Betty Ann Kevles. Harry Gray is the moderator.

Tuesday... May 15

"After 300 years, a new gravity equation," Dr. Lawrence Boren. Is this guy for real? Come to the Y lounge at noon and see.

Wednesday... May 16

Y will be "JFL, an Update." Lew Allen, Director of JFL.

Thursday... May 17


Saturday... May 19

Pasadena Symphony—The Y car is going. Tickets 3.50. Sign up now!

For more information, contact the Caltech Y office at 356-6165, or just drop in.

Notes

Nominations for Junior and Senior Class Officers

open Monday, May 14 and close the following Monday. The elections for these offices and for a number of amendments to the Bylaws will be held on Friday, May 25th.

Faculty-Student Committees

Institute: Mark Adams, Mark Lewis, Matt Penn, Kim Liu (Alt); Scholarship and Financial Aid: Praveen Ashiana, George Gibbs, Brian Mapes; Admissions: Rod Van Meter, Keith Bowman (Alt); Athletics and P.E.: Rod Van Meter; Academic Policies: Keith Bowman, Mike DeKay, Mark Lewis; Upcoming Admissions: Paul Graven, Rajeev Krishnamoorthy, Dave Watkins; Grievances: Mark Adams, Brian Mapes; Curriculum: Anirvan Ghosh, Andy Wolf; Relations With Industry: George Gibbs, Joseph Yang; Foreign Students: Tetsuo Fukuchi; Relations With Secondary Students: Susan Sharfstein; Health: Susanna Chan; Library: Kenneth Bell; Art: Beverly Mandell; Computer Advisory: Creighton Asato; Publications: Christopher Chen (Alt); Frosh Admissions: Glen Crawford, Mark Lewis, Teresa Solberg, Joy Watanebe, Dave Waterhouse (Alt), Warren Goda (Alt).

THE CALIFORNIA TECH

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Friday, May 11, 1984

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To the correspondence center, room 107 Westcott. The deadline is Thursday afternoon noon at 1:00 p.m. Late copy may not be printed. Previous arrangements have been made with the editors.

Editors in Chief: Kait Hahn, Kevin Wang

Photo Editor: Min Yo Un Reporters: Joe Hambrick, Stephen Forman, Steven Sadigursky


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Blacker: I'll like everybody out there to give a very, very warm welcome to the two new future members of Blacker House—the Halibuts!! C'mon people, clap your hands! One, two, One, two, One, two, One, two. Oh, I've got the Halibut Blues! (He's got the Halibut Blues) I've got the Halibut Halli... the pretty little Halibuuuuut ... bluuuuues.

Halibut ... the pretty little Halibuuuuut ... bluuuuues. 

Halibut Blues. (He's got the Halibut Blues) I've got the Hali-Hali-

room before they git throwed out. I'm serious.
San Diego Out of This World

from page 1

about magnitude 5. The asteroid appears to be made of rocky silicate material. From its brightness and reflectivity, astronomers have estimated its diameter at about three miles. The asteroid is a member of an unusual class of minor planets known as Hungaria objects, which may be derived from the same swarm of planetoids from which the Earth accumulated. Hungaria objects are distinguished by their near-circular orbits that are tilted relative to the planetary plane. The asteroids are inclined 22 degrees relative to the planetary plane and which lie just beyond the orbit of Mars. Asteroid San Diego's orbit is moderately inclined 22 degrees relative to the planetary plane. The asteroid takes 2.2 years to circle the sun, coming to within 65 million miles of Earth.

"Naming this particular asteroid after San Diego this year is especially appropriate, because to photograph it from Palomar, the telescope had to be pointed to the south toward San Diego, just above the horizon," said Helin, the planetary scientist at Caltech's Jet Propulsion Laboratory who first detected the object. She found the asteroid, which was initially designated 1982SA, on a photographic plate taken by Helin and Dr. Eugene Shoemaker, Caltech professor of geology and planetary science, using the 48-inch Schmidt telescope at Palomar.

"Our near-Earth asteroid search program, like many such search programs, is important because they yield information on the likelihood of large objects striking Earth, which has been known to happen in the past with catastrophic consequences. Asteroids also offer scientists almost pristine samples of early solar system material, which could yield insights into how the planets were born. Also, asteroids may someday be used as sources of raw materials for both future space colonies and a mineral-depleted Earth. Helin has searched for near-Earth asteroids, using the 18-inch and 48-inch Schmidt telescopes at Palomar, since 1973. Her efforts plus, more recently, those of Drs. Shoemaker and R. Scott Dunbar, have yielded about 30 percent of the new near-Earth asteroid discoveries made since then. Helin and associates have discovered 20 near-Earth objects, more than any other research group.

The Palomar asteroid search program, funded by NASA, The Planetary Society, and the World Space Foundation. Such searches are important because they yield information on the likelihood of large objects striking Earth, which has been known to happen in the past with catastrophic consequences. Asteroids also offer scientists almost pristine samples of early solar system material, which could yield insights into how the planets were born. Also, asteroids may someday be used as sources of raw materials for both future space colonies and a mineral-depleted Earth.

Drever Speaks on Gravity Waves

Caltech News Bureau

Gravitational waves—ripples in the fabric of space-time traveling through the universe at the speed of light—are a fundamental prediction of Einstein's general theory of relativity and the object of an intensive search by scientists worldwide. Ronald Drever, Caltech professor of physics, will present a talk on the hunt for this elusive form of radiation, in an Earnest C. Watson lecture entitled "Gravitational Wave Experiments—A New Challenge for Laser Techniques," at 8:30 pm, Wednesday, May 16 in Beckman Auditorium. Admission is free. Physicists believe that gravitational waves may be generated during such spectacular cosmic events as supernovae or the collision of black holes, or from astronomical phenomena such as the pulsars associated with neutron stars. Under Dr. Drever's direction, a Caltech research team is developing innovative instrumentation, its techniques that offer perhaps the best opportunity thus far to detect gravity waves emanating from these and other sources. Dr. Drever will discuss this innovative instrumentation, its use as a new tool for astronomy, and its potential for testing predictions of relativity theory.

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New Gravity Equation?! by Chris Meisl

"After Three Hundred Years, A New Gravity Equa-
tion?!" is the title of a talk to be given by Lawrence Boren at noon next Tuesday in the Dedeckers Auditorium.

Boren will present his new gravity equation which eliminates 2 of the 4 components in Newton's gravity equation. Most significant is the disappearance of the gravitational constant.

The talk will also include a reinterpretation of gravity as a downward push, as opposed to the conventional pull.

continued on page 7

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Sports

Women's Water Polo Drowned by Riverside

by Skip's Granddaughter

Spring, 2009. With the final week of the season nearing its end and the program having finished, Caltech's Water Polo team introduced a new and improved facility. The new facility included a renovated locker room, where the acclimated 7-12-year-old swimmers (who were only a year older than the average freshman) were left swimming in it. But the new facility was not only designed to accommodate the swimmers; it was also opened to the public for use as a recreational space. The money was donated by numerous Caltech alumni who had been Olympic champions and rich engineers. Mr. Emery graciously accepted these donations and immediately invested them in bacon futuros, quadrupling the sum.

The first use of the money was for a new swimming pool, restrooms, and weight room. Shortly after that, a dance/wrestling/karate room was finished above the weight room. When football was dropped in 1990 due to high costs and poor participation in the weight room, it was finally decided to make the old football field into the soccer field. That way, the existing baseball stadium was repurposed and the softball field was converted into the soccer field. That was before the construction on the old site was finished in 1991. It could be constructed on the old site without hurting another sport. (Note: Caltech used to have a cricket club which used the field, but that dissolved in 1989 when the tiny citizens were no longer granted student visas due to an anti-CIA rebel takeover). In case you don't know, Laurence Park scored 5,420, with the fence at 345 down the line and 405 in center field.

Cricketers Outbatted by Blackwater Pub

In an extraordinary match at Claremont, Caltech lost by four wickets to the sporting fraternity of the Blackwater Pub.

Let me explain to shocked readers, who correctly imagine the athletic limit of Budweiser bowlers to be a game of pool, that at the Blackwater real men drink real beer. That is to say, beer of English and Australian brew. Even the finest exporters of the professional game are partial to these nourishing fluids, and so it's traditional for pubs to raise a team, and a good one at that.

Caltech, inserted on an uneven pitch, lost their first three wickets in just two overs. But that brought in Dayalar, who was to stay for the next twenty-six. His innings of 71 was by far the highest ever by a Caltech batsman. Playing fluently from the start he hit 4 fours and two sixes, directing his shots mainly on the leg side between square and straight. In a slip, he had a sticky period in the middle of his innings, but as he progressed, he was slowly dominating the bowling.

Cricketers Outbatted by Blackwater Pub

# Record Baseball Season

by Doug Ouse

The 1984 Beaver Baseball Season ended last week. In the final four games of the season, the Beavers lost 3 games to Whitier and one close game to Pacific Coast Baptist Bible College. The scores in the series were 4-12, 13, and 1-9 in favor of Whitier.

The Beavers broke just about every school record that was worth breaking. New single season records were set by the Beavers in a total of 11 different categories, including stolen bases (56), at bats (964), games (35), runs (169), hits (212), doubles (29), triples (12), home runs (12), putouts (746), and assists (287). Despite hard luck, some of this did show in the win/loss column. The 1984 Beavers are the winningest baseball team at Caltech in the last 30 years. The Beavers had some individual record breakers, too. Although no stats are kept on hitting streaks at Caltech, Michael Kesting's string of 15 straight games with a hit must rank up there with the longest seen at Tech. Pat Harrison carved a niche for himself in Caltech baseball history by breaking the career record for RBI's. To fully appreciate this, one must realize that Harrison only played at Caltech for two years. Pat also broke his own single season record for hits in a season, in addition to breaking the records for games played, at bats, and runs. Jim Hamrick also had a good year, tying the single season records for home runs and RBI's, and breaking the single season run record (along with Harrison). Doug Shors now holds the career record for most at-bats, and Ed Casey tied the single season record for doubles.

On a sad note Scott Laurence, coach of the Beavers, won't be returning next year. We wish him well in his future endeavors on the diamond.

Sports Calendar

Take a Break... With the Masters of Break-dancing...

The L.A. City Rockers

(often featured during Laker games’ half-times) will show us their best moves and break-dance their way into your hearts – at the gala Grand Opening of Beef Bowl – a benefit for the American Heart Association.

Come enjoy live music, prize, meal deals, an eating contest, and free t-shirt drawings. All funds will be donated to the American Heart Association so join in the fun while you join in the fight against heart disease.

Friday, May 15, 1-6 pm, at 1411 East Colorado Blvd. in Pasadena, right across the street from Pasadena City College.
Oxford Wants Kousser

Caltech News Bureau

J. Morgan Kousser of Caltech is the youngest scholar in 25 years to be named Harmsworth Professor of American History at Oxford University. Currently professor of history and social science at Caltech, Kousser will fill the one-year visiting professorship in the 1984-85 academic year.

The position at England's oldest university is named for Harold Vovyn Harmsworth, eldest son of the first Viscount Rothermere, who was killed in World War I. The first Harmsworth Professor was appointed in 1922. The person selected to be Harmsworth Professor must be a citizen of the United States and a scholar in the field of American history. Selected annually by a committee consisting of the present Viscount Rothermere, the Ambassador of the United States to the Court of St. James, and several Oxford professors, the Harmsworth chair has been filled by such noted historians as C. Vann Woodward of Yale, Allan Nevins of Columbia, David H. Donald of Harvard, George Mowry of UCLA, Kenneth M. Stampp of Berkeley, and Carl Degler of Stanford.

Kousser, 46, received his undergraduate degree at Princeton in 1965, and his MA and PhD degrees at Yale, in 1968 and 1971 respectively. He has been a faculty member of the Division of the Humanities and Social Sciences at Caltech since 1969. He is the author of The Shaping of Southern Politics, and has published 23 articles and 25 book reviews in scholarly journals, and co-edited a volume of essays in honor of his Yale mentor, C. Vann Woodward.

Kousser has received research grants from the National Endowment for the Humanities and the Howard and Frances Lehman Foundation, and will be a Guggenheim fellow in 1985-86. He was an expert witness in six voting rights cases in federal courts in Alabama, Tennessee, and Washington, D.C., and in 1981 testified on the renewal of the Voting Rights Act before the Committee on the Judiciary of the U.S. House of Representatives.
Much Ado About Nothing

from page 2

Language "premier of two French comedies by one of the most famous French authors..."

...making music. I say ~i~

...knows,

language premier of two French comedies by one of the most famous French authors, directed shows as well as attitude by their casts and crews. The program is as full as a theater program at a University with a Theater Department. This requires great work and dedication on the part of all involved. And a great many students are involved. They spend weeks in rehearsal and preparation in the belief that their involvement is worthwhile and respected. I am offended for them, for myself, and frankly, for the intellectual climate of the Institute. God knows, there is precious little attention paid, and precious little money invested in on-campus cultural events involving student participation. As annoyed as I am, I will say there is a shameful lack of attention paid and money invested in the balancing of the education and participation in the arts. It certainly does not help when there is apparent student apathy about those activities in which the students are involved in presenting theater, creating visual art, making music. I say "apparent" because there obviously are students interested or none of these activities would exist. But the Tech, as forum reflecting student activities, ignores them. We depend heavily upon the cooperation of the campus newspaper to inform our student audience of our events. It, along with posters and flyers which are torn down by B&G almost as fast as we can put them out, is our sole means of reaching the vast majority of the campus. And, in an effort to cooperate with your limited staff and time, we provide stories ready-to-print and photographs. I remind you that these take our time and our money, just as I remind B&G that our posters and flyers are handsome and fairly expensive. I suppose that it is not possible to scream in a vacuum, but that's exactly the way I feel at the moment. The cumulative frustration of this entire year of neglect and deliberate ignorance has piled me off. Obviously, it is too late to print an article for opening weekend. That is history, and the if-full houses represent a loss we cannot recoup (complicated by being rained out on Friday the 27th and drowned out on Saturday the 28th by hard rock). But it is my hope that you will at least AFTER THE FACT, when it is no longer "news" run some sort of review and pictures in your next issue (a week after final closing) just as a simple courtesy to the students and Caltech family members who have worked so long and so hard with such singleness of purpose to present a beautiful entertainment for their peers. Sincerely,

—Shirley Mar muss
Director/Administrator

Boren from page 4

"In an interview," Boren said he wanted to "make science dramatic" and seeks a "basic understanding of the fundamental laws of nature."

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Here’s the Beef!!

Pasadena High School claims their football team can out-eat John Muir’s - And John Muir says NO WAY. Blair High School claims its football team can blow both of them away at the training table. Who’s talking turkey? Come find out at the great “grub match” between the schools ... a grudge match to savor ... In addition to the Beef Bowl eating contest, there will be music and dancing, prize drawings, and meal deals. And a special performance by the L.A. City Rockers – the hottest break-dancing team in the country. All proceeds will be donated to the American Heart Association – so join in the fun while you join in the fight against heart disease.

It’s all happening Friday, May 18, from 1 - 6 pm, at 1441 East Colorado Boulevard in Pasadena, across the street from Pasadena City College.
Inform the Frosh!

There will be a petition cir-
culating during next week to
allow informing freshmen of
the mechanics of rotation. This
necessitates the revision of rota-
tion rule II.5. Copies of the
petition will be posted in the
house lounges.

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**BANDONARA**
Tonight, May 11, if you aren't
gonna cut shit and die.
If you have a team, contact
ever gonna eat shit and
Dave Gallup at 65180 before
Friday the 18th; timers, pacers,
and random help are also
needed.

**Rotation Discussion**

Clubroom 1 of Winnet Student
Center, at 8:30 pm on
Tuesday, May 15. An open
meeting for anyone who wants
to help make a constructive
proposal to change rotation to
reflex freshmen's choices more.
Contact: Art Duval or Keith
Bowman, at 378-9346.

**Chamber Music**

On Saturday, May 12, the
Caltech Chamber Music groups
will present the first concert of
the spring season. The second
one is on May 18. There will be
all kinds of magic from Brass
Quintets to harpsichord with
strings. The concert starts at
8:15 pm in Danahay Hall
Lounge. Admission is free.

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**KELROF**

The event of the 80's is
rapidly approaching.
In fact, it is May 19th to 20th.
Although the Soviets are not par-
icipating, you can still glide
grazing and easily around the
track on the order of 80 times in
5 hours with a bit of training, a
bit of effort, and a ton of pain.
So get off your butt and train,
or else you're gonna eat shit and
die. If you have a team, contact
Dave Gallup at 65180 before
Friday the 18th; timers, pacers,
and random help are also
needed.

---

**BANDONARA**

Tonight, May 11, if you aren't
gonna cut shit and die,
you can't attend the fifth annual
Bandonara, featuring the
Caltech Wind Ensemble and
Jazz Band. The concert will feature
flutist Diane Chassman.
The concert starts at 8:15 pm in
Ramo Auditorium. Admission
is free.

**Course Offerings**

Lit 171: The Divided Self
in Literature and Psychology.
This course combines readings
from English and American
psychoanalytic researchers as
well as readings in 19th and
20th century literature exploring
the differing views of the self in
two disciplines. Representative
authors would be Winnicott,
F.D. Laing, Tennyson, Arnold,
Yeats and others.
Instructor: Endo.

**Ec 112, History of Economic Analysis.**
(Pre-require:
Ec 11): An examination of
the development of economic
analysis and doctrine,
particularly during the 19th cen-
tury. There will be a specific
concentration on the work of
Smith, Marx, and the
utilitarians. Instructor: Border,
Hoffman.

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**Clubs/Activities**

In an effort to update the
Clubs & Activities section of the
little t, we are looking for in-
formation on the following
groups. If you are an officer in
one of these clubs (or any other
club which was not listed in last
year's little t), please send a
short description of what it
does, along with the name, mail
code, and phone number of
someone who will be in charge
at the beginning of the next school
year, to little t, 107-51.

Cheese Club
Debate Club
Flying Club
Gaming Club
Juggling Club
Numismatic Club
Russian Language Workshop
Ski Club
World Affairs Forum

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THE CALIFORNIA TECH / FRIDAY, MAY 11, 1984