Bingo! Boingo Win Was on the Cards

by Steve Clinard

 Officials of the Honda Scooters “Back to School” Bash Promotion informed Caltech Wednesday that it had won the right to present a concert by the group Oingo Boingo. Caltech undergraduates entered the contest by filling out and delivering over 51 thousand entry cards on October 13, the official deadline.

The results of the nationwide contest were to be announced within a week after the deadline. Adam Slovick of Fleming House, who organized the effort and repeatedly called the promoters and KROQ for contest results, said that the week had a very long delay because the entries from two schools, one of them Caltech, were to be counted to determine the winner. The promoters would not, however, tell Slovick what the other school is or any other details.

The results may have been delayed by Caltech’s methods and tactics. “There was some question to the legality of the Caltech entries,” said Slovick, “but due to the enthusiasm and number of entries, they decided to give us a concert anyway.” Caltech entries were not validated at Honda dealers or mailed separately. The other school may be given a concert as well.

Since the results weren’t known soon enough for Caltech to buy tickets before November 20, stated in the rules as the last day possible for the concert, it will be scheduled for December or early January. According to Slovick, Honda and Caltech authorities have agreed to have the concert in Beckman Auditorium, but the final agreements will be pending until holding it at the Pasadena Civic Auditorium.

The concert will be open to Caltech students and their guests. The concert is announced by the Pasadena Civic Auditorium, Scripps College may also be invited, said Slovick.

Biaggini Professorship Created

The concert will be open to Caltech students and their guests. The concert is announced by the Pasadena Civic Auditorium, Scripps College may also be invited, said Slovick.

Bye Bye Bernie: Deputy MOSH to Leave Tech

by Steve Bard

The Master’s Student Housing Officers, better known as the MOSH, is one of the best-known and most respected people on campus. The Master, Christopher Brennen, is the one who gets called at all hours of the day and night to resolve any problem which occur in student life. In return, Brennen gets to live in the comfortable Master’s Quarters on Holliston Avenue. In addition, the Master has one of the most interesting jobs around, for the students of Caltech certainly get into some amazing situations.

In the fall of 1984, the Master’s Office decided to take some of the load off the Master by employing an assistant, the Deputy MOSH, to act for the Master when out of town, ill, or simply sick of the job.

Now Caltech’s first Deputy MOSH is retiring. As of December 17, Bernie Santarsiero will leave Caltech as a third-year student for a term at the University of Washington, after which he will take a position in Biochemistry at the University of Alberta in Edmonton for three to five years. Bernie got the job of Deputy MOSH by applying when the Master’s Office decided to set up the position. The job entails not only covering for the Master, but also acting as full-time resident advisor or the student, and as Master and Resident Associate for students living in off-campus housing. This means that the Deputy MOSH invites the off-campus residents to dinner during the year to find out how things are going, just as Brennen does the on-campus students.

The Deputy MOSH also gets a perk for his hard work; Bernie lives in the Deputy MOSH’s apartment at 1170 Del Mar, which he calls “a very nice apartment.” He got to furnish it himself since I was the first assistant MOSH. Before becoming Deputy MOSH, Santarsiero was an undergrad at MIT, and then he went to a company in the electronics industry before coming to Caltech.

The concert will be open to Caltech students and their guests. The concert is announced by the Pasadena Civic Auditorium, Scripps College may also be invited, said Slovick.

Since 1970, he has also been a member of the Caltech Board of Trustees and serves as chairman of its investment committee.

Anne Poyton Biaggini was born in Nogales, Arizona, and raised in San Antonio, Texas. She attended St. Mary’s University in San Antonio. Anne Poyton and Benjamin Biaggini were neighbors in San Antonio and met through family friends. They were married September 9, 1937. The Biaggins have two daughters, Constance Sue Guittard and Anne Krutelob.

Dr. Melvin J. Simon, the first Anne P. and Benjamin F. Biaggini Professor of Biological Sciences, received his B.S. degree from the University of Southern California in 1952 and his Ph.D. degree in biochemistry in 1956 from the University of Southern California. After a research fellowship at Princeton University, he joined the faculty of the University of California at San Diego. He came to Caltech in 1982 as a professor of biology.

One of Dr. Simon’s research has been the effort to understand how signals from the retina of the eye and from receptors on the surface of bacteria are transduced, or changed into a form that the living organism can use.
Virgin Houses

To the Editors:

The recent graffiti incident in Blacker House has prompted me to encourage people to lobby the powers that be to reconsider their position on the newly renovated South Houses.

And phone ~ Gilman - make moral Finest in I even comments and purposes, people who, once a year, at judgments to all (I. point, such 

endents don't want to live in a house to leave black marks on the wall the maneuver up to the window houses in continuous perfect con-

ourselves we will aid entropy, To the Editors:

ly be fixed with a new coat of paint with virgin blank walls. Perhaps they remind us too much of the

Snatch. However, if one performs a student a more active role in his education,

They give a student a more active use of our precious Constitutional rights. Mr. Cao seems to hold

right of gay people to hold and hostage crisis

job the U.S. press did in covering a detailed analysis of the wretched some weeks ago about Nicaragua. The trouble is that, of course,

headlines. Both must explain any of facts are as unreliable as they are

Edward Said’s Covering Islam. The opinions expressed herein are stricly free and necessary to reflect those of the advertisers.

Letters and announcements are welcome: All contributions should include the author’s name and the intended date of publication. The editors reserve the right to abridge letters for expedien-

tory or for any other reason they feel is necessary.

Turn in copy to the Tech office, Monday, 5:00-7:00 p.m. The deadline for copy is Wednesday at 5:00 p.m. Late copy may not be printed unless prior arrangements have been made with the editor.

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from page 2

easy to make that set more and more restrictive.

But I forgot myself. Huy Cao
nowhere says that he is in favor of
illegalizing those things he's not in
favor of. He merely feels that it's
something wrong, improper,
ungrateful for us to stretch the
rights that we've been so generous-
ly given by our Founding Fathers.

And to this end he scores those
who use their rights in "improper"
ways, and those who seek to help
them protect their rights.

Mr. Cao no doubt feels good
about never having stated that those
terms carry with them or
impose improper should be
outlawed, and perhaps he doesn't
want them illegalized. There are,
however, all too many people these
days who do, and those who think
like Huy Cao play right into their
hands. If we do not today respect
the rights of those we disagree
with, the bell tolling next week
may be the Thought Police, calling
on us.

---Jens Peter Aalfe

speaking for himself

Nicolagua

To the editors:

Regarding Huy Cao's very
thoughtful letter concerning David
Bayer's talk on Nicaragua, I'd like
to clarify some matters and raise
some objections.

First of all, I don't see why call-
ing President Reagan "un-Ameri-
can" is anti-American. Can we say
that we were anti-Philippine
because we criticized Marcos, and
suddenly we aren't because we like
Aquino? Incidentally, the 26% figure
Bayer gave was the percen-
tage of eligible voters who voted
for Reagan; the source of the con-
fusion is, above all, that the Baptist
used the inappropriate word
"calculus", that the annotics who
comprise about a half of this great
democracy didn't bother to vote at
all.

Hasok Chang:

"I don't see why calling President
Reagan 'un-American' is anti-American."

It would be a good idea for
everyone to find out what "monopo-
listic corporate capitalism" or "im-
perialism" actually means before
becoming angry at the connotations
that those terms carry with them or
the way certain people use them.

There is no space for a whole lec-
ture here, and I'm not qualified to
give one, but just look at some sim-
ple facts. In 1978, 5 U.S. industrial
corporations had total sales of over
$229 billion, total assets of over
$137 billion, and net profit of near-
by $11 billion. In the late 60's, General
Motors' yearly operating
revenues exceeded those of all but
a dozen or so countries. Of
$200,000 U.S. manufacturing firms
in 1969, 600 owned 25% of the total
asset. The list of American overseas acquisition in
history includes the Samoa Islands,
Hawaii, Guam, Puerto Rico, the
Philippines, and the Panama Canal
Zone. The countries which have
been invaded for largely economic
reasons include Mexico, Cuba,
Colombia, Nicaragua, and the
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Please call for our complete schedule.

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**LETTERS**

from page 3

**Abandoned Cars**

To the Editors:

Most of the Caltech community is well aware of the current parking difficulties at the Institute. A new parking structure, costing millions of dollars, is being constructed next to Catalina II on Wilson. The city, as we were informed by a notice in our mail, has lifted parking restrictions on the streets in the immediate vicinity of Caltech. Much attention is being given to the problem.

Why, then, does the Institute fail to enforce its own parking regulations? What continually amazes me is the assortment of abandoned and permanently parked cars in the lots, particularly in the lot next to Del Mar and Michigan. There we find an inordinate assortment of old, decrepit vehicles. Many are raked in a layer of Pasadena dust which is months old. One has even discovered them for themselves, informing us, "Do not wash this car, it is undergoing a scientific test!"

Note that the parking situations, tying up visitors to park either where spots don't exist or on distant surrounding streets.

It is time to call a tow-truck.

continued on page 9

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**OPINION**

**"Teaching People To Be Good People" Who's Responsible for Student Ethics?**

by Huy Cao

Earlier this week, the Carnegie Foundation for the Advancement of Teaching released a study about the state of undergraduate education. The report took three years and $1 million, and surveyed thousands of instructors, administrators, patrons, and students.

The study has negative observations about both colleges and their undergraduates. Since the study was about the American undergraduate college in general, some of the criticisms aren't applicable to Caltech. Some, however, are especially applicable to Caltech. For example, it criticizes research universities for emphasizing research over teaching.

But the observation most applicable to Caltech and its students is that to college mainly to attain a "detail-oriented knowledge," whereas "formulating values and goals for life" isn't so important for today's students. There's the problem. The former goal was much less important, and the latter goal was at the top of students' list of goals. The report also urged colleges to develop a more coherent core for general education. A specific suggestion was that students should be required to write a thesis about their field of study in a historical, social, or ethical context.

Since Caltech specializes students for science. Unfortunately, science is concentrated on a lot, and the humanities aren't given much attention.

The Caltech undergraduate himself can be accused of being apathetic, of not caring very much about what happens outside of Caltech. This is also a fair accusation, since most Caltech students aren't up-to-date on outside events or issues. But to be just the situation that has been put in context: the student seems to always be swamped student or not, we should admit that it is time to call a tow-truck.

continued on page 9

In security's own leaflet, we are informed that the college has moved from seven days are subject to imprisonment. Hail! A good ten to fifteen cars haven't moved in the last year. More have sat for several months. These wrecks are a dead weight on the parking situation. They take up space and forcing commuters and visitors to the Caltech where spots don't exist or on distant surrounding streets.

It is time to call a tow-truck.

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**The Outside World**

The Outside World is a weekly forum for the presentation of international news and commentary. The opinions expressed in The Outside World are solely those of the authors and do not necessarily reflect those of the Editors.

The Outside World welcomes any informed contributions from readers. If you're interested in becoming a regular writer, please contact Hasko Hash at mail code 1-59, phone 792-2659.

The current writers for The Outside World are (in alphabetical order): Huy Cao, Han and U.S.S.R., Hatori Chang, Central America, Arms Control and the Pacific region, and Manesh Jain, Asia excluding Middle and Near East.

**Nakasone Makes His Move**

by Manesh Jain

Japan's Prime Minister and emerging statesman is out to make a mark in the world. A decade ago, China was considered no threat to Japan but now it sees it as a possible future client. Whether we should blame the changes on Japan's security pact with the U.S. or we should blame the changes on the Institute itself can be accused of being apathetic, of not caring very much about what happens outside of Caltech. This is also a fair accusation, since most Caltech students aren't up-to-date on outside events or issues. But to be just the situation that has been put in context: the student seems to always be swamped

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Review:
Anna Russell Gives ‘Pasadena Farewell’ in Beckman

by Amanda Heaton

“How many times have you heard someone say, or perhaps you’ve said it yourself, ‘The thing I would like to be, more than anything else I want to be, is a singer’?”

Anna Russell, comedienne and opera parodist par excellence, gave her “Pasadena farewell performance” last Saturday, 8 November. In beginning with a joke, she set the tone for the whole performance.

“Now what you need is a glorious voice. Period.” Russell explained. The only problem with having a glorious voice, she continued, is that thousands of people have glorious voices, so, even with a trained, beautiful voice it can be impossible to find a job which pays even modestly. Thus, she concluded, “really, you not only need to have a glorious voice, but must also be an independently wealthy, sexy, politically-motivated bitch.”

After this introduction, Russell began her opera satire. Using excerpts from an entire opera which she translated to English, she pointed out the irony of the words and music. She handled duets and trios well, singing one part at a time or jumping back and forth to emphasize contrasts, giving the mood of the piece. She also made fun of the singers themselves: the flinty soprano through the over-swarthy basses, her great range and total variation making her portrayal of the different parts effective. At the end of her first piece, Russell had the audience participate in the finale of the opera.

Next, Russell gave a “Short Course in Music Appreciation—Presenting the Bagpipe.” After a series of jokes, during which she assembled a bagpipe, she brought in a real piper in full Scottish garb, ending the first half of the program.

The second half of the program lasted slightly longer than the first. She began with a parody of Gilbert and Sullivan, moving one of their typical themes into an American setting. A New York City aristocrat wants marry his daughter, Pneumonia, to a wealthy man, Claude Billibunion, to pay off his debts. Pneumonia, of course, is in love with John Smith, a nobody. Russell used hats to accompany this satire, singing a few lines of John Smith’s a cappella tenor aria “in 6/8 time” and a parody of the Maestro General’s song from The Pirates of Penzance—“I am a very miserable but rich tycoon.”

Following this scene, she continued her use of hats in a satire of “The Ladies’ Club Annual Festival” with a large, flowered straw. Although she did not sing in this segment, the audience received it well, laughing almost continuously.

She preceded the next piece, her traditional Wagner satire, with an apology for the frequency with which she had performed it, but, as expected, the audience did not protest, instead applauding even before she began. Singing many excerpts from the Ring, including the infamous “Ride of the Valkyries,” she commented, “That’s the beauty of grand opera—you can say anything—as long as you sing it.”

In closing, Russell again had the audience join her, in the chorus of an “old folk song” “Stunnahh’s a Funny Old Man.” This song, about a man and his pig, required the singers to make various animal noises with accompanying hand motions. Despite, or perhaps because of, the silliness of this song, the audience sang enthusiastically.

Russell did a superb job of entertaining her audience. Although she did not actually sing opera, she uniquely pointed out its foibles, successfully joking and keeping the audience laughing throughout the performance.

Key Opportunities

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Figure 1: Note misspelling of "creodonts". Score: Eds. 1, Fleming 0.

More Inside World

from page 3

Fleming: Well, you'd better watch out, you'd better not cry, you'd better not pout. I'm a' tellin you why: Dingo Boingo is a' comin' to town.

Yes, all that effort was actually worth while a couple of weeks ago, and it looks like we've just snagged ourselves the campus-wide party of the decade. More details later. Thanks and congratulations go especially to Brian Daniels and Adam Slovik for the bone-crushing nail-biting, blood sweat and tears put into this project (calling KROQ every day for the last couple of weeks can be rough) and also to everyone else who filled out the postcards (in nearly all the Houses). Thanks everybody. Party hearty.

By the way, those two unwords used in last week's Inside World referring to the boys across the walk should have been anarchous (that's a-n-a-r-c-h-o-u-s) creodonts (c-r-e-o-d-o-n-t-s) not anarchist creodolltes or whatever it finally ended up as. Sorry, boys, but we can't be responsible for what happens to the text between here and the press. No worries, you guys spelled it wrong yourselves (see the picture), so don't pass the buck, okay? Eds.

News Flash: Woolverton is officially in charge of the Coke fridge now (or shall I say "the expanding soft drink empire"). A new fridge inoculated at lower 6 in the coming weeks, so look out for that. Also, according to Woolverton "the evil Coke dictator," there are quarters taped on the bottom of every sixth can of Coke. Also: Coke prime means Pepsi. If you want the full details of all of the machinations involved, go seek an audience for yourself.

Social event this weekend is the keboeke. Be there and guffaw manically with the rest of us.

Work on Interhouse!

Ultimate Sunday at the Court of Man at 2:00pm. No odoribus! That means you!

Until next time... at Panomo.

Lloyd: A couple of nights ago, two of us went to see "Sid and Nancy" with Lloyd House Prez. Chris Nolle. A brief review:

John: "I liked it."

Keith: "I thought it sucked."

Chris: "Did you know that movie was about Sid Vicious?"

Friday's Halloween Party was a real blast, featuring such characters as Snow White and the Balch of Rola, Spudlank the potato, and McMahon the ninth dwarf. Speaking of parties, Interhouse in nightmarishly close. Got Thunderdome built yet, Earl? Also Jay's Musical Extravaganza is Sunday, featuring "Hands On Wheels." Will US or Oingo Boigo be there too?

continued on page 8

Figure 1: Note misspelling of "creodonts". Score: Eds. 1, Fleming 0.

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AIDS: It Could Happen Here

by Bruce Kahl, M.D.

AIDS and the Caltech Student Body

AIDS, which is the acquired immune deficiency syndrome, is one of the startling medical problems of our time. I would like to share a number of thoughts about AIDS as it relates to our student body.

First of all, everyone in our society is at risk of AIDS. Most cases occur in the heterosexually active. The disease is usually spread by sexual contact. It is not necessary to be gay to have AIDS, and the various forms of sexual activity, be it oral, vaginal, or anal, can all lead to infection. The risk of infection is greater with a higher number of sexual partners. There is also a risk with blood transfusion and the use of contaminated needles in intravenous drug use.

AIDS is a very treatable condition, although the treatment is not yet curative. The patients are able to live normal lives, but they require frequent monitoring and treatment. There is a great deal of confusion about the transmission of AIDS. It is not transmitted through casual contact, such as hugging or shaking hands. It is transmitted through sexual contact, but not via kissing. It can also be transmitted through contaminated needles used for injecting drugs. The virus is not transmitted by food or water.

AIDS is a serious disease, and the public needs to be educated about it. It is not a gay disease, and it is not transmitted by casual contact. It is a disease that affects everyone, regardless of sexual orientation. The public needs to be aware of the facts and to support those who are affected by AIDS.

Bruce Kahl

The Social Event for tomorrow night—Broomball with the Duds.

What an election day Tuesday was. The official Beck-ballot certainly solved any intra-house disputes. The spontaneous barbecue on the olive walk went off as planned. Next time, we need to get all of the R.A.'s and security to join in a chorus of "Andy The Flem." Next week we have four spontaneous events scheduled. Wear your rubbers, Ed! November is a great month for Interhouse. Build Interhouse, Frosh!

Rickets: Avast, ye Scurvy Scum! Now that the worst of midterms are past, we must celebrate! Pie night will tide us over until the parents have returned home for the holidays, but plans for Interhouse are progressing with urging by the Captain's wench.

The Scurves ate 20, count 'em, pizzas, and the upperclassmen won at brookderum, but by far the weirdest happenings have involved a spherical, inflatable, green (?) glowing thing. Rumor has it that said object took to the air. To check on this report, Triprod and Chuck have gone to Dallas. (I can call them that because they're not here to kill me.)

Bizarre word for the week: Spudamene.

Bizarre Japanese phrase for the week: Jagekoo o tabeimashii (for Sassy).

(CFM SHOWCASE)

HELLO AGAIN...

IS EVERYONE HAPPY MID-TERMS? I THOUGHT SO. NOW COLD... THIS WEEK WE'RE GOING TO TALK ABOUT THE ANALOG FORMAT OF MUSICAL REPRODUCTION THE BIGGEST ISSUE DISC IS THAT THEY WEAR OUT. I THINK WE ALL KNOW THE OBVIOUS REASONS WHY. HOWEVER, ONE THING THAT YOU MAY NOT KNOW IS THAT MUSICAL STYLUS RECORDS CAN WEAR OUT A DISC FASTER THAN ANYTHING ELSE WE MENTION THE WEAR THIS CAUSES TO THE STYLUS, MECHANISM WALLS CAUSING PERMANENT DAMAGE, THIS CAN ALSO CONTRIBUTE TO THE RAPID DEGRADATION OF SONIC QUALITY. SIMPLE ALIGNMENT OF THE CARTRIDGE IN THE HEADSH. WITH A PROPER ALIGNMENT TOOL, YOU CAN PROTECT AND PROLONG YOUR RECORD PLAYING. IF YOUR STYLUS IS WORN, WE'RE JUST NOT GETTING THE SAME SOUND THAT YOU USED TO, THEN IT'S PROBABLY THAT SOME TIME THIS WEEK, ALL GRADO CARTRIDGES ARE ON SALE FOR 20% OFF GRADO CARTRIDGES HAVE BEEN RATED AS THE BEST BUDGET CARTRIDGES AVAILABLE. IF YOU CHOOSE POSSIBLY NEED A NEW TURNTABLE IN WHICH TO MOUNT YOUR NEW CARTRIDGE, THE DENON DP-23 TURNTABLE IS ON SALE FOR $129. THE DENON DP-23 IS ONLY $249. DENON USES A VERY SOPHISTICATED SYSTEM THAT MAKES FOR A TRULY SPECTACULAR TURNTABLE, WHICH IS A DYNAMIC SERVO TRACKER SIMPLY STATED, INSIDE THE TURNTABLE IS A MICROPROCESSOR WHICH MONITORS IT'S MOTION AND APPLIED TRACKING FORCE INDEPENDENT OF GRAVITY. THE TURNTABLE IS RECALIBRATED WHEN YOU ARE PLAYING A RECORD LESS THAN FLAT RECORDS, THE RECORD IS IN A CONSTANT STATE OF MECHANISM TO GUARANTEE ACCURATE SPEED TO TOP IT OFF, THEY HAVE A 2-LEVEL CHAIN MECHANISM AND A 360 DEGREE HEADSTOCK MECHANISM, WE WILL INSTALL AND ALIGN ANY CARTRIDGE PURCHASED FROM CMS AT NO CHARGE. WE CAN ALSO CHECK THE ALIGNMENT OF ANY TURNTABLE. REGARDLESS OF MARK, IT WAS FOR $37.50 ALL RECORD CARE ACCESSORIES ARE ALSO 20% OFF THIS WEEK ONLY.

SO UNTIL NEXT WEEK...
by Hakso Chang

Leftist guerrillas in Guatemala sent an open letter to President Vinicio Cereno Arvelo expressing their willingness to negotiate with the government. They wished to have talks in In-N-Out Drive-Thru, and Spain has shown an interest in facilitating them.

Guatemala took in January 1986 as the first civilian president of the country since 1954, when a U.S.-backed coup placed the country under the auspices of the Spanish or the Mexican embassies, and Spain has shown an interest in facilitating them.

Nuclear Bombs and a Missing Technician

by Hakso Chang

More than 300 nuclear technicians who had sold secret information about the Israeli weapons program have been missing since September 1986. There is a strong yet unconfirmed belief that the Israeli government has abducted him. Vanunu, 32, had worked in the top-secret Dimona nuclear reactor complex since 1976. He was dismissed last winter as a part of a general cutback in personnel, however, he had pro-Palestinian sympathies and was probably thought to be expendable. According to his former girlfriend and the Israeli press, which had not been allowed to print any stories about him until very recently, he was a pro-Arab activist and a candidate member of the Israeli Communist Party, though he grew up in an orthodox Jewish family and served in the army engineering corps.

When he left Israel in the summer to "start a new life", he smuggled out undeveloped film containing more than 60 photographs of the Dimona complex. He told them to the Sunday Times of London, along with the information

New Mozambican Leader: A Pragmatic Marxist

by Kevin Nelson

On Monday, Josaquim A. Chissano was named the new President of Mozambique. He succeeds the previous President, Samora Machel, who was killed a few weeks before in a plane crash just inside South Africa near the South African-Mozambique border.

Chissano is generally considered likely to continue the relatively moderate and pragmatic policies that Machel had followed in the past few years, but under him Mozambique will almost certainly remain a one-party state in which all political movements outside Frelimo, the Marxist ruling party, are prohibited.

Ever since it gained independence from Portugal in 1975, Mozambique, which is in southeastern Africa and has around 14 million people, has had to deal with extremely severe problems. There is a right-wing rebellion, known as Renamo, against the government, which accuses Renamo of lacking popular support and of receiving aid from South Africa. This aid was in violation of a 1984 agreement between the two countries. The economy, already badly damaged by the protracted rebellion against the Portuguese, has declined even further since independence, and several years ago a drought caused a terrible famine that is still continuing in some areas. Despite Frelimo's establishment of a one-party state, it has made an effort to improve the life of the people. Though it first tried a radical Marxist economic policy, its lack of success has caused it to become more pragmatic.

Now the government encourages the private sector to some extent. Also, Frelimo has given the people some voice in their local government, though they must remain within the limits of the official ideology.

Frelimo's supporters claim that the people have enough voice that Mozambique is a full democracy, but even they admit that it is not the same sort of multiparty democracy found in the West. Hopefully, if the new Chissano government is successful in improving the economy, there ultimately be political reform and the toleration of opposition groups that is necessary for true democracy.

Win a Honda Elite '15 Deluxe Scooter from In-N-Out Burger.

Introducing the absolute easiest quiz you'll ever take all year. And the only one that gives you a chance to win a totally cool, red Honda Elite 150 Deluxe Scooter for getting the right answer.

So, thank you! How many sesame seeds on an In-N-Out Double-Double bun?

If you don't know, feel free to cheat. (Cramming is allowed at any In-N-Out Burger location.) Just put your answer on the entry form below or print all the info on a plain piece of paper and drop it off at any In-N-Out Burger before midnight, November 17.

You can enter as often as you like but there's just one prize per person. And you don't even have to buy anything, although your stomach will be very happy if you do. Then, on Friday, November 21, we'll draw 6 winning entries from among all the entries with the right answer to our question. And those 6 incredibly lucky college types will be cruising through the In-N-Out Drive-Thru on their very own red Honda Elite Deluxe Scooter. Outrageousness!

"Maximum lead capacity 330 lb. Not responsible for loss or damage.

**IN-N-OUT BURGER**

Win your very own red Honda Elite ‘15 Deluxe Scooter!

There are 9 sesame seeds on an In-N-Out Double-Double bun.

Name: [please print]

Address:

City State Zip

Please print your name legibly above.

[Signature]

**IN-N-OUT**
**SPORTS**

### Athletic Funding Problems

*by Steven Schneider*

When I was an undergraduate (Class of ‘81) my friends and I sometimes grumbled about the maintenance of the gym and the general level of support given Caltech athletics. The washroom in our locker room, for example, had not been painted since the gym was built, and the team uniforms were soiled and left much to be desired. The gym lighting was reduced to half strength at the moment of a basketball game. This miserly situation is unresponsive to the depression era upbringing of the Athletic Director, Warren Emery.

When I returned to the campus in 1983 I became a graduate student member of the Athletics and Physical Education Committee, to which the Athletic Director reports annually. Therefore, it was with great satisfaction that I read in sections such as the following in the report from last spring (which is representative of the one from the previous year, being only less detailed).

The following text is taken verbatim from the *Athletic Directors Report* 1985-86 as distributed to members of the Athletics and Physical Education Committee in the Summer of 1986:

**Facilities Improvements:**
- Completed – During the past year some upgrading of existing facilities has been completed:
  - Tennis Courts 5 and 6 have been resurfaced.
  - The lighting at tennis courts 1 and 5 have been improved.
- The gym floor has been resurfaced.

**Needed** – The list of needed projects is too long to print here. Some of the most urgently needed are listed below:

- The lighting on the south field should be upgraded to a competitive level.
- The area west of the new building should be rehabilitated to provide for outdoor volleyball and basketball. This would take some of the overflow from the gym during late afternoon and early evening hours.
- A laundry should be installed in the area now occupied by the drying room. We now spend $19,700 on laundry of uniforms and towels each year. The experience of every small school in our area indicates we could save a considerable amount of that.
- The seats of the bleachers on the south field should be resurfaced.
- A permanent backstop should be installed at the southeast corner of the north field.

Mr. Emery also submits an annual list of maintenance requests to Physical Plant director Mike McCaullan. Projects such as the painting of the gym have been requested for many years running without being done. It becomes apparent when looking at such reports that the responsibility for the threadbare condition of athletic equipment does not lie solely with the Athletic Director; the administration is also responsible. To get a better understanding of the situation I spent a few hours this last week talking to Mr. Emery and Dr. Morgan, the following presents a brief summary.

There are basically two budgets through which day to day operations of the Athletics facilities are funded. Projects involving maintenance of physical facilities such as the showers and the gym floor and walls are either done by or contracted out through Physical Plant. Mr. Emery submits a list of such projects to Mike McCaullan (I have a copy of the latest list, for those interested). Some of these projects are actually done depending on the amount of money budgeted for campus maintenance, and on the priority given to Mr. Emery’s requests. These compete with all other requests on the campus.

The manner in which the choices have been made is unclear to Emery, Morgan, and myself, although it is clear that priority choices have been made by Physical Plant alone. I hope to interview Mr. McCaullan sometime soon. Starting with this year, Dr. Morgan has been involving himself in this process in an effort to make sure that more money will be found for such projects.

The other main way in which Athletics Department operations are funded is through Dr. Morgan’s student affairs budget. This budget funds such things as uniforms, equipment, and travel. Guidelines are handed down for the allowable size of the budgets that Dr. Morgan and, Emery must abide. This part of operations seems to be better funded, primarily because of the active interest of Dr. Morgan, and the close Student Affairs office has with the administration. But difficult decisions have to be made here as well because of the limited nature of available funding. The lighting in the gym, and energy use in general, are paid for through a general Institute fund. In 2005, departments do not have individual budgets. Mr. Emery determines appropriate levels through a compromise between requirements of particular activities and a general attempt to conserve energy.

### Polo Stops Redlands

*by Skip Shot*

Okay, so you haven’t heard from good friend of Skip Shot for a while. Well, we didn’t have much good news. I guess it comes to this: you only hear from us when we lose. Unfortunately, they might as well have won.

Last Saturday morning, the Beavers traveled to Whittier. There was a costume party the night before, and all the polo players dressed as Clint Dodg. Of course, they all left early to get some sleep before the game. We all have to party ‘til dawn: the Beavers fell 9-17. And once again, we can be an important force on our campus. If you think something is important and ought to be improved, let me, Morgan, or Emery know in a brief tactful note or phone call.

### Hockey Skates by CSN

*by Jason*

In the season opener the Caltech Beaver’s hockey team easily defeated their Division II opponent, Cal State Northridge. The first two periods Tech totally outplayed Northridge. Linemates Jim Bower and Mike Freeman each had two goals and an assist. Martin Breulotte also had a goal. Assists were credited to Phil Askenay, Dwight Berg, Jim Toth, and even goalie Peter Dowd. Only some lucky saves by the Northridge goalie kept the score down to 5-0. In the third period Caltech relaxed. The defense momentarily eased, allowing Northridge to get a 2 on 0 breakaway, which led Northridge’s only goal. Dowd was otherwise perfect in the net, stopping 27 shots. Caltech went on to win 5-1.

Thanks to the fans who showed up, and four boys who got a chance! The Los Angeles Times had a photographer at the game, so you know this is a happening sport!

The hockey team’s next game is at 9-45PM next Wednesday at UC Irvine. The following week they will be at Cal State Fullerton. Be there!
Cross Country
Runners Compete in SCIAC Meet

by Speed Demon
La Miranda Park was the site of the SCIAC Championship meet last weekend. The times might have suffered somewhat because it was hot (85°F) and dry with the Santa Ana winds blowing. The course rules restricted the competitors from running on the track or sidewalks. They were instructed to traverse entirely on grass. This factor should also have slowed the times further since traction and stability are greater on asphalt.

However, none of this information registered in the minds of this year’s cross country squads. Every member of the men’s top seven ran from ten seconds to three minutes faster than last year on the same course under similar conditions. While the men were able to reduce their overall score by 22 points from last year, their placing remained the same within the conference.

John Gehring led the team to a fifth place finish by running a superb effort of 27:30 and placing 12th overall. For this high placing Gehring claimed second team All-Conference honors. Running 1:55 faster than in 1985, he picked up 13 places. Gehring’s improvement this season is attributable to his dedication to a disciplined training schedule over the summer.

The next Caltech harriers to complete the 5-mile course were Mike Jensen in 25th place and Chuck Lee in 28th. Jensen ran 28:58 (more than three minutes faster than 1985), while Chuck crossed the line in 29:23, shoving 1:38: from his 85 performance. Both Jensen and Lee are only now beginning to approach the fitness level they need to start moving up closer to John Gehring.

Coach Jim O’Brien feels there will be a much tighter group when Regions roll around in two weeks, with Alex Athanasopoulos making his presence felt. After running 29:55 for 31st place, Athanasopoulos was spotted swinging from tree to tree in La Miranda Park. Without inminating that he resembles an ape-man, it will be suggested here that Athanasopoulos undoubtedly is a distant relative of Tarzan. He ran 2:04 faster than 1985 and, according to the coach, should have run even faster.

O’Brien stated, “Alex needs to get more aggressive throughout the race and run with as much mental attitude as he does when running on the track over 800 meters. I’m expecting a strong performance from Alex at Regions in San Diego.”

The Closers
Closing out the top seven were John Beck (30:29), Ray Hu (30:51), and Jeff Williams (31:28), one finishing right after the other. Beck managed to run 10 seconds faster than last year but still came up 13 seconds short of catching his little brother, who runs for Claremont. With Beck making steady progress throughout the season after a dormant summer, he ought to be able to put his brother back in his place by Regionals.

Hy and Willis ran most of the race together, but a killer hill at four miles separated them. Despite the hill, Jeff ran almost a minute faster than his 1985 time. Congratulations are in order for the men for a fine effort. Additional accolades go to Darin Acosta (30:08) and Will Evans (31:22), both who cracked our top seven declared runners.

Acosta’s efforts earned him a trip to San Diego for the Regional meet at UCSD. Just in case anyone is interested, Occidental was once again crowned league champ with a fine performance and a low score of 33 points.

The Kangaroos
Our Beavers (or the Kangaroos as they humorously term themselves) were the men one better time around. Each member of the top five ran her personal best of the season.

This isn’t your normal performance; we are talking top of the line quality team effort here. The women have to be pleased with their individual improvement throughout the course of the year. Gena Barnes led up to 17th place overall with a time of 21:39. Despite an injury this season she improved on her 1985 performance. Barnes ran a cautious and intelligent race by going out at a steady pace at the start and finishing up stronger than usual.

She joins Gehring on the SCIAC All-Conference Second Team.

Jenita Holbrook (23:25), Vicki Gatewood (24:06), and Will Evans (24:03) ran together throughout the 3:1 mile course, and only the surge of the top line separated Holbrook and Lane. Holbrook is Caltech’s #1 sprinter during track season. Although the line did not show that she outdistanced Lane to the tape.

The surprise came in Holbrook’s racing almost two minutes faster than he had run all season. Lane was no slouch out there either, as she improved her best time by 34 seconds.

Margi Pollack, who seems to get better with each race, also improved by 35 seconds and displayed her tenacity throughout the race by hanging on to Holbrook and Lane. The coach feels that Pollack will be right there with them at the end in two weeks in San Diego.

Christina Garo denied the long run and staggering the course in 25:00. The heat seemed to bother Gena Barnes and Margi Pollack in the women. That is little wonder, as their race didn’t start until 11:30 AM with the sun blazing down and the temperatures rising.

Carmen Shepard handled the heat this year considerably better than in 1985 and finished in 25:53—almost five minutes quicker than last year. All of the water the coach force-fed the team at the pizza parlor the night before the race must have made the difference for Shepard. It seemed to aid everyone’s performance.

Training Continues
The top nine runners on each team now continue to train while looking forward to the final race of the season at the UCSD campus in La Jolla. The top seven runners will travel on November 14 to an oceanfront hotel and run on Saturday, November 15.

The men’s race begins at 11:00 AM, and the women start at noon. At this NCAA Division III Western Regional meet, the best runners from 17 different schools on the west coast will be competing. All are vying for berths at the National Cross Country Championships at Fredonia State University in New York.

Only the top team and the top two individuals on the list will be eligible. Go for it, Tech!

Meet America’s Top-rated Aerospace Employer.

Talk with our representatives about why in 1985 The Altman of American Employers rated Lockheed second overall among America’s largest, successful companies. Tops among aerospace firms. And talk about career opportunities at Lockheed. And about our famed “Skunk Works” facility where we developed the SR-71 Blackbird, an aircraft so advanced, it’s still the world’s fastest, highest flying airplane in sustained flight.

Just sign up in your placement office and mark this date on your calendar:

Interviews — November 21

You’ll see why we’re a company with a remarkable history. And a future as promising as your own.

Lockheed is an equal opportunity, affirmative action employer. U.S. citizenship is required.

Soccer Falls

by Joe Pelc
The Caltech soccer team lost all three of their matches this week, dropping two of their games to conference opponents.

Last Friday the Beavers played the Pomona Sagehens. The Caltech booters were staging a second-half comeback from 3:0 down, but a penalty kick erroneously awarded to the Sagehens put the game out of reach. Pomona won 4-2.

The next day Caltech travelled to Valparaiso to play the Crusaders College. The Beavers dropped this match 4-1.

Wednesday the Beavers played their final home game of the season when Whittier College visited. Caltech lost this match 2-1. Doug Roberts scored the only Caltech goal of the match.

The Booting Beavers close their season tomorrow when they travel to Christian College Irvine for a 10:00AM match.
**What Goes On**

**Announcements for What Goes On must be submitted to the **what goes on** office by 4pm Monday before publication. Office hours are 10am to 2pm Monday through Thursday.**

**New Announcement Forms**

The above guidelines have been relaxed, as you are aware— we were out of announcement forms for a while. But now there are new ones! With updated dates (i.e. for this school year!) On awesome purple paper, actually not a lie, as many of you are aware— easier on the color but ecru! We can’t guarantee that we won’t stamp on and burn announcements not received on these forms, so why not play it safe?

**Free Trip To St. Louis!**

Even your way to Amsterdam! If you play bridge, come and play in the North American Collegiate Bridge Championship. The first round of this is being held at Caltech at 6:45PM, Tuesday 18 November. Teams of four players will be scored against three other teams, and the winners will score against three other winners. The winners will receive passes to see the match play between Germany and Croatia at the World Junior Team Championships in Amsterdam! Turn up by yourself or with an entire bridge club! For more info call Jeffrey (5464), 708-0184.

**Join the Space Program**

The founding meeting of the Caltech chapter of the Exploration and Development of Space (SEDS) will be held in the same room as the bridge championship, Tuesday prior to publication. For more info call Allyson Johnson from Living Videotext (5428). Donaldson’s latest full length novel at a bargain price. Only at the Caltech bookstore.

**Attention Writers!**

The Literary Guild is proud to announce the 41st Annual McKinney Competition. The Academy & Emily McKinney Prize is awarded each year for excellence in writing. Only full-time students officially registered at Caltech as undergraduates are eligible to enter the competition. Categories will be given in three categories: prose, poine, and non-fiction essays. All submissions must be typewritten and double spaced. In the past, the number of winners has varied. The prizes will range from $100 to $500. Each student is entitled to only one entry in each category. All manuscripts must submit their work to Professor Donaldson, La Bella, Division of the Humanities and Social Sciences, no later than April 30, 1987. No entries will be returned. Each category will be judged by a three person committee from the Literature faculty. Judges will be judged on the quality of thought and the effectiveness of the writing. Winners will be announced the week of May 18. Persons winning the awards will appear in the commencement program. There will be an Awards Banquet on May 28. The Committee may divide the award on each category in case of more than one outstanding entry. Previous winners in any one category are not eligible for the competition in that category again.

If you have any questions, contact Dr. La Bella, 2200 E. Green St., (818) 992-5439.

**Off Yo Butts! SPAM ACID**

Even play your way to Amsterdam! The effect of the writing. Winners will be announced the week of May 8. Persons winning the awards will appear in the commencement program. There will be an Awards Banquet on May 28. The Committee may divide the award on each category in case of more than one outstanding entry. Previous winners in any one category are not eligible for the competition in that category again.

If you have any questions, contact Dr. La Bella, 2200 E. Green St., (818) 992-5439.

**McKayValley Meeting**

The McKay Valley Group announces that its November general meeting will be held Tuesday, 18 November 1986, at 7:30pm in the cafeteria of Burbank High School. All McKay Valley group members are cordially invited to the meeting and to participate in the lively discussion and mingle refreshments. For more information please contact John Johnson from Living Videotext (5464).

**AT&T Pizza Party**

AT&T will be on campus recruiting for B.S.E.E. in EE, EE and ME. They will be having a Pizza Party on Monday, 16 November 1986 from 6-7pm. You are cordially invited to come and learn more about these opportunities and share the company.

**Cooking Class**

**Cooking Class**

Tired of spending your hard-earned money out on eating? Learn to cook for yourself! On Wednesday, November 19 7:00pm in Women's, Pat Robb will be giving a cooking lesson and demonstration on "weekend survival cooking." Samples of food will be provided. There will be a $1.00 charge to cover food costs. Sign up in the Y or call Donaldson’s latest full length novel at a bargain price. Only at the Caltech bookstore.

**More copier!**

The copier located in the ASCIT office in the basement of Wittman, which is currently down, will be returned for your help, you will get free ad cards for the event.

Invisible Reweaving

The above guidelines have been relaxed, as you are aware— we were out of announcement forms for a while. But now there are new ones! With updated dates (i.e. for this school year!) On awesome purple paper, actually not a lie, as many of you are aware— easier on the color but ecru! We can’t guarantee that we won’t stamp on and burn announcements not received on these forms, so why not play it safe?

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