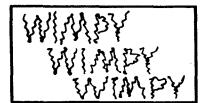


# THE CALIFORNIA TECH



VOLUME LXXXVII NUMBER 5 PASADENA, CALIFORNIA

FRIDAY 25 OCTOBER 1985

# Major Housing Renovations In the Works

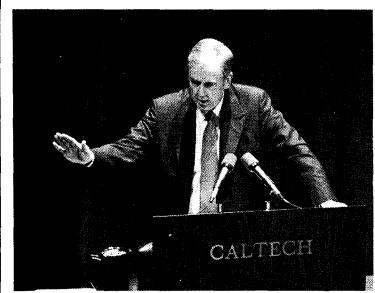
by Josh Susser and Peter Alfke

There have been quite a few umors flying around campus lately oncerning plans to restore or econstruct the old student houses. While everyone must agree that the outh houses are in poor repair and should be fixed up, some of these umors portend alarming things. The truth? The Faculty Committee in Student Housing has begun inrestigation, and according to comnittee chairman Dr. Glen Cass, The real issue here is not whether p restore the houses, but to what legree, and at what level."

The south student houses were onstructed in 1931, and no major enovations have been made since. As long ago as 1970, it was noted hat the plumbing, heating and electrical systems, all original equipment, were badly in need of repair or replacement. A rather voluminous report on the possible restoration of the south houses was prepared at that time, but in the fifteen years since, little progress has been made. There have been attempts at restoration and renovation, but efforts have been inadequate, and most work has been either cosmetic or stop-gap.

As Master of Student Houses, Sunney Chan instituted a rehabilitation program for the student houses. Each summer from 1982 to 1984, one house was closed for maintainance. These repairs consisted primarily of indoor painting, carpeting and lighting work, as well as symptomatic treatment of problems. It has become obvious,

# T. Boone Pickens



T. BOONE PICKENS LECTURING IN BECKMAN YESTERDAY EVENING

by Robin Wilson

Last night, T. Boone Pickens Jr. honored Caltech with a visit and a speech entitled "Who Owns America's Corporations?" Mr. Pickens, the founder, President, and Chairmen of the Board of Mesa Petroleum, arrived shortly before dinner in his private jet. As a young California liberal, I feared I might not appreciate the famous Texas oilman, but during the ride home from the airport, I developed a great amount respect for Mr.

Recently, Mesa Petroleum filled the busines pages with an atà tempted takeover of Unocal. From this and previous actions, T. Boone Pickens has become known as one of the foremost shareholders ad-

continued on page 13

however, that these efforts are insufficient, and that a consolidated, large-scale restoration should be undertaken.

Last month, the Faculty Committee on Student Housing formed a sub-committee to look into the problem. At the committee's recontinued on page 13

# **Student Center**

by Matt Rowe

It's 3:00AM. You need a Twix™ fix. None of the vending machines on campus carries Twix™ bars. You could take half an hour, walk to the Pantry or the AM/PM, pay an exorbitant price, and risk getting mugged or swindled on the way back. Or you could suffer. Wouldn't it be nice to have an oncampus convenience store?

Or, say Fred comes around asking about the twenty bucks you owe him. He needs the money a.s.a.p., you're broke, and the house treasurer is in Tahiti. Wouldn't it be nice to have your bank's money machine right on

Say you're just looking for a quiet place to do homework. You've got Black Sabbath on one side, Black Flag on the other, and concert-volume Philip Glass across the hall. There's a movie in the lounge, all your studious friends are off getting drunk, and Millikan has stiff chairs. Wouldn't it be nice to have a comfortable, well-lit, open lounge for studying or relax-

ation away from house pressures? Wouldn't it be nice to have a new student center?

The idea has been tossed around campus for almost a decade, and enough people now agree about it that something is being done. Dr. Jim Morgan, the Vice President for Student Affairs, is looking for suggestions for facilities from both undergraduates and graduates. Possible funding options are being investigated, as well as what type of remodeling or additional construction (and where) would be needed for a new student

There is little question of the need. Huston Horn, Director of the Caltech Y (situated on the secon floor of Winnett), says, "I think the present situation of the Winnett Student Center-namely, a vast, dimly lit room with broken furniture-fails to communicate a positive attitude toward student amenities." The report of the Accrediting Commission agrees, noting that "space for student ac-

continued on page 4

# Genius Director Real

by Aloysius Crumb

You will often hear about the person who sets a precedent, and it is a privilege to meet one. Wearing an androgynous beige Brooks Bros. suit, with an efficient boardroom demeanor Martha Coolidge -director of this summer's financially successful and critically applauded feature Real Genius - addressed an OWC brown bag seminar on Tuesday.

Here are some of her comments:

At one time Ms. Coolidge was ashamed of being intelligent and would apologize for it. If someone enthused about a "new" idea she had thought of herself five years earlier she would say, "Oh, what a great idea." She has since learned to let herself be appreciated for her ability to think.

There are no role models for ambitious women film directors; there is no "old girl network" to help them along; and everything you've heard about Hollywood true. There is a reason that so many American films are violent and full of betrayals, back stabbing and exploitation – that is what the film industry is like.

A lot of prejudice against women in Hollywood is blatant and overt. It's not a big deal to be called "Honey" though many women hate it. After finishing a shot, an ebullient cameraman pinched Coolidge's arse. She turned around in surprise and looked at him for a full minute before it struck him what he'd done. His mortification at the realization was obvious, and nothing needed to be said, but unconscious prejudious is ubiquitous and much more difficult to endure with equanimity. The only way to discourage it is by making a joke.

There are producers who have women standing in line outside their trailers at lunch time - to "service" them—men who went into the business seeking "glamour"especially the company of glamourous women. You don't have to worry about these men.



MARTHA COOLIDGE, DIRECTOR OF REAL GENIUS AND VALLEY GIRL, DESCRIBES WHAT IT'S LIKE TO BE A WOMAN BREAKING INTO A MALE-DOMINATED FIELD

They will not hire a woman director. They are not comfortable in the presence of efficient, talented, intelligent, responsible women who are getting on with the job while they're screwing around. It's too much like having mother looking over their shoulder.

On the other hand some men genuinely prefer to hire women because they think they are less threatening. Take advantage of this, Coolidge advises. Other people may hire you because they think it's novel or trendy to employ a woman. Let them believe it! Once someone has hired a woman for the first time, they're more likely to do it a second.

You have to be better than any man for the job - and you'll still be paid less well. Studios pay what the market - and your agent's negotiacontinued on page 3

# Core Changes

by Diana Foss

Suddenly, everything seems to be about to change all at once. The reccomendations of the Ad Hoc Committee on Admissions Policies and Procedures (as reported two weeks ago in the Tech) are soon to be followed by those of the Ad Hoc Committee on the Core Curriculum in what promises to be a major evaluation by the faculty and administration of the quality of undergraduate life and education at Caltech. The second committee's work is a logical extension's of the first's: if Caltech can attract more of the top students, what can we do to keep them happy here? The Curriculum Committee hasn't formulated any of the reccomendations yet; indeed, much more input from students is needed before its work is finished.

Dr. Sunney Chan, the chair of the committee, says that there is deep concern among the faculty and administration for how the core curriculum affects student life at Caltech. Far too many students leave Caltech with neither degrees

nor any interest left in science, and a program which burns out this many students has some serious problems which must be addressed. There is also a feeling among the faculty and administration that the undergraduate workload may discourage potential applicants.

Another aspect of the core curriculum that the committee wishes to examine is how well it meets the Institute's educational goals for its students. Of particular concern are the freshmen and sophomore years and how appropriate the content of these courses is, along with how well the classes are coördinated. Dr. Chan says that the committee will consider whether the core curriculum really "delivers" with regard to students' educational needs.

In addition, the Ad Hoc Committee on the Core Curriculum is concerned with giving Caltech undergraduates a more balanced education, one which will address the needs of the student as a whole person, rather than focussing soley

continued on page 12

# **LETTERS**

# BYE-BYE, KIDS!



To the Editor:

[Re: Last week's letter of thanks to Nancy Carlton and the Housing Office: Hey, what about us?

Castor Fu, Steve Gomez, Jung Im, Nathan Inada, Dan Kegel, Matt Penn, Mike Rigler (255 S. Hill); Oliver Collins, Bena Currin, Joel Hamkins, Peter Konopka, Brett van de Sande (290 S. Holliston)

To the Editor:

Posters announcing the CLAGS Monday night social meetings have recently been torn down from general campus bulletin boards.

from bulletin boards near the student houses, it seems likely that this was done by students. If so, I would like to point out to these students that this infringes on the rights of others, both in and out of CLAGS

Removal, defacing, or covering up recently posted posters of an ASCIT student organization from outdoor public bulletin boards is almost certainly an honor system violation. If you have done any of the above, ask yourself why you must act in secret, "unsigned." It is because otherwise people would see your prejudice for what it ishomophobia—an irrational fear and social disorder. CLAGS cannot be eliminated, so get smart and cool

Since the posters have disappeared off. You'll be doing yourself, and everyone else, a big favor.

-Doug Cutrell, Senior 1 - 59

To the Editor:

I am happy to witness the high level of interest in the Honor System expressed in these columns in recent weeks. The letters by Mr. Warr (10/4), Mr. Gorder and Mr. Cline (10/11) all contain meritorious arguments and in fact are a modern-day microcosm of issues discussed by social philosophers in the 17th and 18th centuries. Their opinions of human nature were varied. Two brief examples: Hobbes (Leviathan) held that humans were inherently bad. If left ungoverned, they would destroy one another. Locke (Second Treatise on Civil Government) believed most humans to be essentially good; government was needed to protect the majority against the occasional bad character or group excess. Whether the view was pessimistic or optimistic, most agreed that some form of government was necessary to preserve the common good. It can be readily seen that communities of any size establish rules to live by. The rules may ensure wise use of a village well or regulate investment procedures for

a large corporation, but the intent is the same; preserve the common

As a community of scholars with unique interactions not explicitly covered under existing Federal, State or local legal codes, we have developed guidelines to fit our own special needs. We have chosen as a guiding principle a code of conduct which takes a generous view of human nature. We assume that members of our community are basically good, and that we have sufficient maturity to adequately interpret the central tenet of the Honor Code: "Never take unfair advantage of any member of the Caltech community." We assume, unless informed to the contrary, that we all can adhere with little difficulty to this philosophical guide to our conduct.

Since we come from a considerable diversity of national, ethnic, cultural, religious and academic backgrounds, we find it necessary to inform newcomers to our community of the guidelines governing our behavior. One may prefer to think of this as "indoctrination" or "propaganda", but remember that most societies engage in this activity. As we become citizens of a nation, adults in a tribe or members of a profession, we learn the privileges and duties of citizenship, adulthood or professional practice. This same activity is part of joining the Caltech community. I believe that it is right to educate ourselves at the time we matriculate about the guidelines for our behavior. I see neither sinister intent nor involuntary participation in this exercise.

Just as national citizenship incurs obligations which cannot easily be abrogated, so does our decision to join the Caltech community lead to our acceptance of the Honor Code. This is a bitter pill if one has different values, but so long as popular will favors this code of conduct, one's choices are limited: 1) Work to change popular will; 2) Leave the community; 3) Accept the guidelines and remain. As I find the Honor Code easy to live with, I favor the third option. I believe that most of us here hold similar opinions. I will happily entertain comments, opinions, gripes and suggestions for improvement of the Honor Code, whether authored or anonymous, addressed to Dave James, GRB Chairman, 138-78.

> Very sincerely yours, -David E. James

Chairman Graduate Review Board

# ENTERTAINMENT

# **ASCIT Movie**

by Matt Rowe The Last Metro Directed by François Truffaut **ASCIT Movie** 

Tonight's ASCIT movie is one of the best-known films of the late French director François Truffaut. The Last Metro, a 1980 film starring Catherine Deneuve and Gérard Depardieu, may not be Truffaut's an enjoyable movie.

The plot centers around a Paris stage theater during the Nazi Occupation of World War Two. Deneuve and Depardieu are the

stars of the show. Depardieu flirts (at the start) with the set designer (played by Andréa Ferréol); Deneuve is married to the director (Heinz Benent), a Jew who manages to stage the play while hiding from the Occupation forces. But not even Nazi troops can keep the two most charismatic stars of French cinema from falling for each other.

It may be French-it may be artsy fartsy-but, hell: you got yer love triangle; you got yer man in hiding; you got yer sexy actors and actresses-it might as well be Amurrican!

## THE ASCIT MOVIE **TONIGHT at 7:30 and 10:00**

THE LAST METRO

## Next Week-Tron

in Baxter Lecture Hall \$1.4SCIT members \$1.50 all others

## The Caltech Y Fly-by

Friday...October 25

At noon on the Quad: If you're a junior, senior, or grad student, you can apply for a credit card and probably get one. There may even be a Noon Concert.

Saturday...October 26

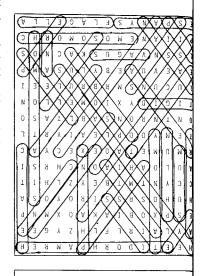
"Let's Go Fly a Kite..." It's the Venice Pier Kite Festival! Free admission, fun in the sun, and some amazing kite watching will be yours when you sign up in the Y. The Y-car leaves at

It's also the 40th anniversary of the U.N. If you signed up for lunch at the Ath and the talk afterwards, don't forget to go. The program is from 11:30 to 2:00.

Friday...November 11

Listen to the L.A. Philharmonic play lots of Beethoven. Concert starts at 8:00 PM and the Y-car leaves at 7:15 PM. Sign up in the Y.

> Any questions, comments, or ideas? Come see us in the Y office or call x6163



## THE CALIFORNIA TECH

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# Martha Coolidge

from page 1

tions-demand for you, no more. Increasing numbers of couples in this country have had to face situations where the wife is working and the husband isn't: where the woman makes more money; and in situations where husband and wife have mutually exclusive vacations. It is useful for people to get together and talk about the effects of being a woman in business and how to handle the new situations that arise.

Once Ms. Coolidge asked a male colleague, "So how does a male director handle the problem of buying groceries and cooking dinner when he's working on a film?" This other director laughed and laughed - he had never thought of himself as a "male director" before. When he regained his composure he answered that he "usually had a wife" to take care of such things-but that when he didn't, he hired someone to cook and clean for him, because it's impossible to manage even mundane tasks when you are responsible for an entire film in production.

A couple of weeks ago Ms. Coolidge was invited to lunch by

a woman who heads a Hollywood studio. It was the first time she felt as though there could be such a thing as an "old girl network" in Hollywood. They had a real woman-to-woman talk. The studio exec and Coolidge are both about the same age and both just recently married. The studio chief asked her "Are you planning to have children? It's even harder for you, you have to keep working in order to stay in the business, but I don't have to run a studio all of my life - in fact I'm planning to quit in a year in order to start a family."

Coolidge is looking forward to being hired by a woman for the first time.

Some women directors, for example Amy Heckerling (who directed Johnny Dangerously) don't like to be singled out from other directors simply because they are female. Coolidge chooses to make the most of this kind of attention. She claims she has been given much more media coverage for Real Genius than any man would have received for the same film.

There are problems with success, too. Fear of success can lead people to self-destructive behavior. She mentioned John Belushi, and an actress who had worked so hard to meet people who could get her work that, now that she is successful, she can't say "no" to them and is over-committed. It is hard to say "leave me alone, I have work to do" to people you had to fight for the chance to talk to before. "When you struggle very hard for a long time, the struggle becomes part of your identity." The transition to a position where she didn't have to fight so hard was depressing for Coolidge. There are many other kinds of stress in show business too - job insecurity, bringing the job home, and acting like an efficient dictator towards your family were mentioned among them. Coolidge suggests that people take advantage of any and all opportunities for relief from stress. Talk to friends, psychiatrists, and psychologists, whatever helps.

At the end of her discussion of "breaking into a man's field," Ms. Coolidge graciously answered questions from the audience comprised of about 30 Caltech women and 10 men. Her intelligence, spirit and humor were inspiring. Martha Coolidge is breaking ground for women in the film industry. She has herself become a role model.

# The Inside World

Blacker: A Blacker Week than Thou

I. Introduction

- A. Pope gives advice on
  - 1) Word Slurring
  - 2) CO Emission in Lounge 3) Interesting & Varied Conversation
- Frosh Ignore Pope
- Pope Has Last Laugh
  - 1) Interesting & Varied Conversation
  - 2) Green Brad
  - 3) Merriment Mirth, etc.
  - 4) Green Brad
- II. The Upperclass Libido A. Alleys Ordered (No Anchovies)
  - 1) "Hey, my butt's numb!" 2) "Hey, who cares?"
  - B. Ashcroft/Gillespie Have Their Fingers on Things
    - 1) The Pulse of the Campus 2) The Pulsating Campus
    - 3) A Pulsar
- C. Frosh Beg Rob to Try the Six-Man Lift Again
- III. Conclusion A. Interhouse Thought About and
  - 1) Ignored
    - a) Somewhat
    - b) Fully
    - c) Wankel Rotary Engine
  - 2) Laughed At
  - B. Black Hand Strikes Terror into Children's Hearts, Incites Terrible Responses
    - 1) Styrofoam/Banana Fights
    - 2) Green Brad
    - 3) Somewhat
  - C. All Await Mongo Boffo Fun in Cannes Saturday Night.

Dabney: Our own House Mineral gave us our biggest surprise in weeks by catching fire. (Our frosh are scheduled to do likewise on Saturday. (Don't look into Dabney Courtyard this weekend, or you'll turn into a pile of salt. (And that's saying a lot. (And that's less than most people think.)))) We celebrated with a wistful winding walk west to that wild, wonderful, wooly, weird, and wacky wide, wide world of weenies at Weenie World, where we watched the Weenie World Whirling Weenie Wheel.

In other news, Dabney once again has a bar bar bar. The Incredible Flaming Rock, in his impatience to see dispusion of a 5 gallon nature, unfortunately pushed the TED Technology Team too fast; early testing with a tragically underdeveloped prototype failed. The researchers have since died and were unavailable for comment.

For the first time in two years, all Darbs once again are cognizant of the Gestalt nature of Number Theory. Remember A1 Steak Sauce can turn an Orange War into a Steak War.

Fleming: After just a 1-week vacation I come back and I've got an entire mess of news to report. First, let's welcome the newest Flem, Jim Helgren, our first transfer of the year. Let's get Jim and all the Flems out to softball this weekend against Page so we can cheer our team on to an undefeated record an eventually to an overall Interhouse victory. Speaking of Page, it was very nice of them to come out and play last week. We enjoyed washing so many boys. Feel free to come over any time if you want to be showered in Fleming instead of Page.

Page has not been the only source of fun in the last two weeks, though. Three cheers for the social team. The Penthouse party was a huge success, as was the J.D. treasure hunt. This week Beer Skating,

Now that Fecathlon is over, let's see if Alley Six gets its act together and challenges the gods and demi-gods of Alley One.

Work on Interhouse.

-Al Fansome



Lloyd: Guess Fingal (take two, and thank you Tim) made his point. Keep that false idol out of the hall, or else it will be permanently terminated. Hope that Valhalla's wine and frosh tasting party was as good as the barbecue. Keith really fooled us with his tourist act, but was no match for Boofer and the Mystery Physicist. Our Warlords passed through the trial by water Tuesday night, tune in later for fire. Don't forget to fly with Jay, and BUILD INTERHOUSE!!

Page: Now, inside the world of Page House, rumor has it, the wimpy frosh will challenge the sophs in two weeks. Rambo lives, but Phil B's smile will soon be painted pink. Kill me? That's not what? Paredo Efficient, guy. Miracle...Bruno hasn't broken anything in a whole week. Football beat the Big Green Machine. We'll hit fuzzy balls with Lloydies Sunday. Doughnuts were sweet. News Flash! Vito Spiritually Dead. And remember, Chiken....

-Brandon Mymudes

continued on page 5



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# Radon and the Art of Earthquake Prediction

others are not, the scientists have

discovered. For example, they

found that a large increase in radon

detected in 1981 were due to

decreases in atmospheric pressure,

combined with an increase in car-

bon dioxide in the well water. The

atmospheric change increased the

amount of carbon dioxide bubbles

coming from water within the

boreholes, carrying more radon to

the surface. Radon measurements

also do not necessarily tell scien-

tists where an earthquake is likely

to strike, only that strain changes

are occurring in a region, said the

project now consists of four in-

struments, and three of these will

be closed down in December,

because U.S.G.S. funding for the

project has been eliminated.

The Caltech radon monitoring

researchers.

(CNB)-An automated radon gas monitor stationed about ten miles northwest of San Bernardino showed a large increase in the emission of the gas from the ground for about six weeks before the October 2 San Bernardino earthquake, according to Caltech scientists (Visiting Associate in Physics Mark Shapiro and Professor of Physics Thomas A. Tombrello) operating the system. The earthquake, which occurred at 4:44 pm, measured 5.0 on the Richter scale and was centered six miles southeast of San Bernardino.

Radon, a short-lived radioactive gas, is emitted in small amounts from throughout the earth's crust. It is formed by the decay of uranium present in minute concentrations in all rock and soil. Scientists theorize that increases in radon emission may reflect an increase in strain on the crust, which opens up minute cracks in crustal rock.

Shapiro and Tombrello believe that the increase they detected did reflect changes in crustal strain before the earthquake, and say that their findings help confirm the value of radon monitoring as one component of earthquake prediction efforts. Radon anomalies such as the one detected before the San Bernardino earthquake can alert scientists to crustal changes, enabling them to scrutinize other measurements for signs of change, they said.

The radon increases occurred in an instrument sited at Lytle Creek, near where the San Jacinto and San Andreas faults converge. The anomaly began on August 18, with a sudden three- to four-fold increase in emissions over a period of a few days. From then until the October 2 earthquake, the radon levels fluctuated, generally increasing. The radon levels have not yet returned to their baseline levels.

When the radon increase began, the scientists reported their data to the U.S. Geological Survey and have periodically updated the Survey on their findings.

"Our experience with radon anomalies has shown us that those associated with earthquakes generally are spikelike, or else exhibit a steplike increase with a very rapid onset,"said Dr. Shapiro. "This anomaly falls into that category, as did a previous anomaly we saw in 1979 before the large earthquake in the Imperial Valley." That earthquake occurred on October 15 and measured 6.4 on the Richter scale.

This anomaly is not explicable in terms of any non-tectonic mechanism we know about, so we are suggesting that other researchers look very carefully at other kinds of data in the San Andreas and San Jacinto fault regions," said Dr. Tombrello. "These might include seismicity, water levels, and geomagnetism, for example."

The Caltech radon monitoring project began in 1977 and at its peak in 1983 consisted of 12 instruments scattered throughout southern California. The instruments consist basically of Geiger counters attached to computers, which transmit measurement data to Caltech over telephone lines. The aim of the monitoring project has been to gather data on radon emissions in the region and to understand the origins of changes in those emissions.

While some increases in radon are related to crustal changes,

# Student Center

from page

tivity is quite limited at present." In addition to real *needs*—such as student government offices and soundproof music practice rooms—there is no reason why the Caltech student should not have access to the same facilities (such as lounges and automated tellers) that students have on campuses across the nation.

Stan Borodinsky, assistant to Dr. Morgan, said Wednesday that it is now up to the students to decide what sorts of facilities are worthwhile. He sent a memo to the ASCIT and GSC Boards of Directors several months ago, asking their help in obtaining student input, but he notes that it was only last month that he and Dr. Morgan began to get feedback. "We have no interest in building anything other than what the students would like to have," he said, and pointed out that further progress will be difficult until students present specific, concrete ideas for a new

student center.

Joy Watanabe, ASCIT President, has decided to make the new student center one of the central topics of discussion at the Faculty-Student Conference this February. By that time, she hopes, enough ideas will have been presented to ASCIT, the IHC, the GSC, and Dr. Morgan that the conference committee can, at the close of the conference, present a report that answers all of the questions the administration is currently asking.

While the conference committe has yet to be formed, students should not hesitate to get involved now, either individually or in groups. According to Master of Student Houses Dr. Chris Brennen, "The students need to take an active role in pushing for it. Otherwise it won't happen." Dr. Morgan would like to know what features the new student center should have, and students are welcome to approach him directly, or to go through the student government.

Students Bezhad Sadeghi Castor Fu are organizing a th option. Thursday afternoon, tl met in the Y lounge with a gro of interested undergraduates, D of Students Dr. Gary Lorden, a Associate Dean Jeanne Noda form, in effect, a student lob Dr. Lorden said, "I think not h ing a student center is big h dicap." He saw the students' role one of coordinating suggestions order to present them to the ministration. Well-argued reasing and clear suggestions are i portant, he said.

A student survey is in works, and further meetings planned. In the meantime, stude should try coming up with th own ideas. There is, at present, unreasonable limit to t possibilities. In the words of Si Borodinsky, "We don't want leave it to the mundane."

Now, about that Twiz

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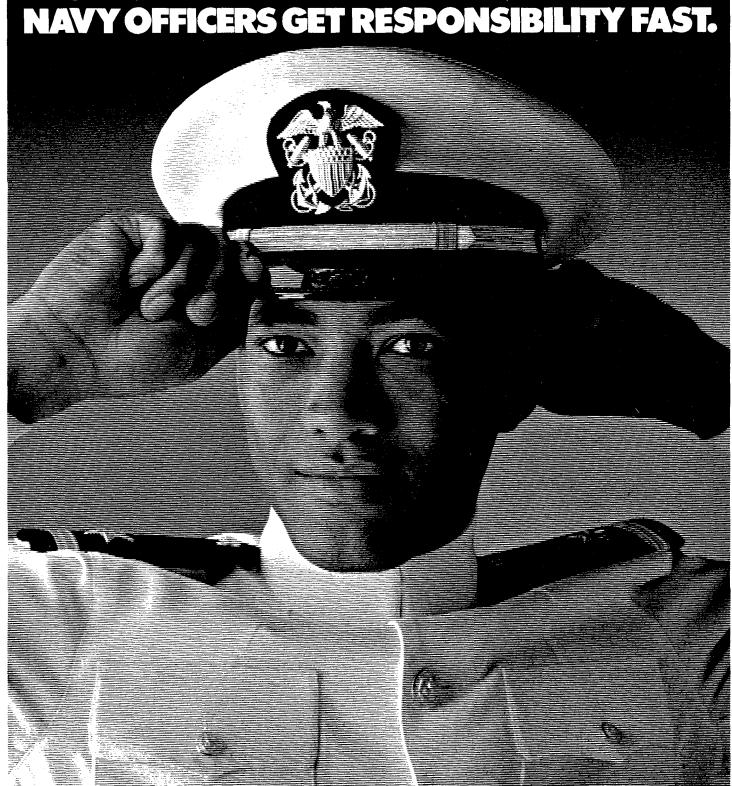
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HAPPY COUPLES DANCING THE NIGHT AWAY AT THE CALTECH/OXY ORCHESTRA'S WALTZ PARTY SATURDAY NIGHT

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# Bell Scholars

Bell Laboratories Scholars come from Caltech: John Platt, a PhD candidate in Computer Science, and John Parmeter, a PhD candidate in Chemistry.

The scholarships are granted to outstanding graduate students in chemistry, computer science, electrical engineering, materials science and physics at universities throughout the United States.

"If America is to remain competitive, we need strong science and engineering programs at our universities," said Reynold Levy, president of the AT&T Foundation. "This is not a burden that rests solely with academia. Only through a cooperative effort between academia and industry can we ensure that bright young minds have an opportunity to explore scientific frontiers and thereby

Two of this year's 26 AT&T- secure the nation's technological leadership."

The scholarship, generally four years in duration, includes a stipend, tuition, books and living and other expenses. In addition, AT&T Bell Laboratories will give each student the opportunity to work during the summer at one of the company's locations in collaboration with a scientist or engineer specializing in the student's field of interest.

'We view the scholarships together with opportunities for summer work experience with outstanding professionals at AT&T Bell Laboratories as crucial elements in providing the students with incentives and opportunities for continuing with advanced studies," said C. Kumar N. Patel, executive director of Research, Physics and Academic Affairs at AT&T Bell Laboratories.

# The Inside World

from page 3

Ricketts: Ricketts House motto of the week: "Remember Zola Budd!" Well, the TV is fixed (thanks, Bongo), so we no longer need to go to Page to watch Days of Our Lives (see Salem House entry for

The Big Maroon Machine walked its way to its first Interhouse softball victory. Our strategy-teamwork first and sportsmanship second-is having a great effect on team morale (if nothing else).

Our extra added bonus Dress Dinner (with no purity points lost) was totally buff (way cool, that is!). MOSH and wife were astounded by the spectacle of sixty Scurves nicely dressed. Thanks go to Rosemary and Michele for the elegant décor.

Andrew "Do You Think Astrid Would Go Out With A 19-Year-Old" Kaluzniacki bought his first earcuff as well as some green fluid to recharge his cosmic spheres. Richard Miles was sighted in Ricketts courtyard as well as in Crud Alley. Greggles proved that he was good for more than just steak knives when he bombarded diners with colorful superballs. The real Doc returned for a visit. Deep Shine.

Give me back my shoes!

-Saxy

Ruddock: Don't ask me about the little t, and don't ask me about 95. Ask me about the party instead. Well, you have branch points at...whoops! The party was a success. Congratulations to the social team and the bar, and the dedicated DJ's, who did one hell of a job.

The GAAC was a disaster. Thanks to Bonzo, we left potatoes, cooked and uncooked, all over the place between here and the Court of Man. Not all of them, though - some flaccid members of Berkeley South hurled theirs into Ed and Amy's place through the windows. The shut windows. Gag gag choke. But at least this was the first year in memory that the veep's head went below water level in Baxter, so it wasn't a total loss.

As usual, the house meeting was a two-cooler job. Earthshaking results: we'll try, with guidance from Taney, to save the Titanic this year. Start working now, frosh! Also we had a heated discussion about showing David Letterman in the Days of Our Lives time slot, which ended with everyone walking out in an apathetic huff. The next day, no one watched TV at all during lunch, effectively resolving the issue.

Frosh, sign up now for your BOC talks! You can find out all about how to enter the "Most Ingenious Honor System Violation" contest and win a trip to Stanford. Just sign up on Spaz's door. But do it before you IMAX out with the rest of Ruddock this weekend.

Rich, you're a weenie. Oh, and one more thing-

– Wang-Man

Salem: Theo is dead (killed by Chief Cates). Chief Cates is dead (killed by Theo's brother Abe). Francis the monk kissed Hope and Victor Popolopolous kissed Caroline Brady, but now Francis is in critical condition in Salem's only hospital room and Victor is going after Kimberly. Tony knows who killed Klaus, and Pete, Melissa (recently bitten by a radioactive spider from the Marvel Universe), and Todd have all the clues, but Patch (Stockholm, Stockholm, Stockholm) doesn't like having hot lobster water poured on his crotch. Savannah is getting scared and might spill her guts to Chris and reject her evil ways. Tune in next week to see who will die next. (Tony! Tony! TONY!!!!)

-Eugene Oregon

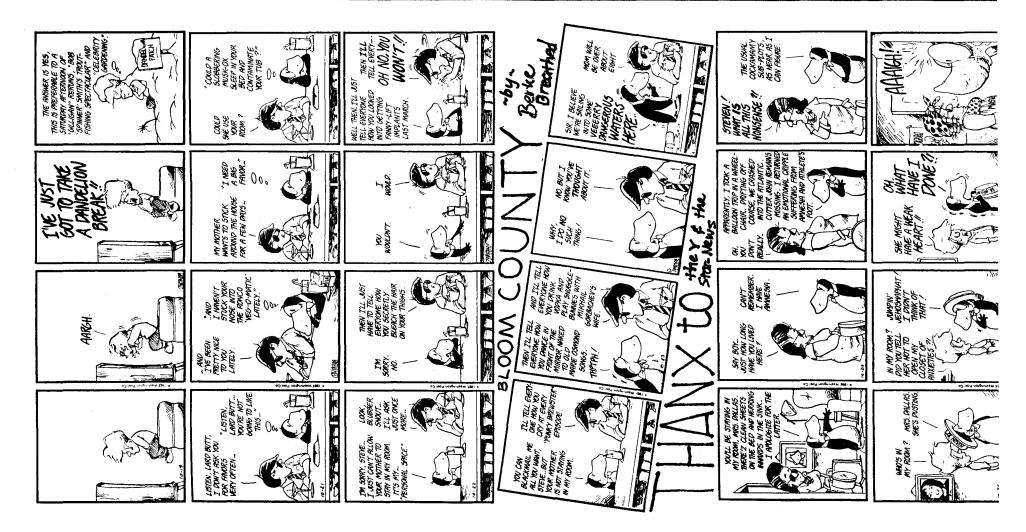
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# Tooth Plan

by Diana Foss

Caltech students may finally get a dental plan. Under considerstion by the administration is a proposal by Lee Horn, D.D.S., the father of Blacker senior Robert Horn, to bring his fully mobile Dental Clinic to the Caltech Student Health Center. The dental plan, "designed to provide maximum dental treatment benefits at a low cost to those participating in it," would include all the normal things one usually goes to the dentist for: all necessary x-rays, two examinations per calendar year, two teeth cleanings per calendar year, all silver amalgam and/or composite fillings, and all uncomplicated extractions. The cost for this plan would be \$114 per person per annum, and spouses could be added for an extra \$60, children for an extra \$30. Non-standard procedures such as crowns or extractions of impacted teeth would be performed at an additional cost to the student, although at rates substantially lower than those of dentists in the area.

Dr. Horn has been performing this mobile dentistry sevice to hospitals and convelescent homes for many years. The proposal submitted by him to the administration, ASCIT, and the GSC calls for the mobile clinic to visit the campus three days a week: Tuesday and Thursday evenings and Saturday mornings, for example. A 24-hour emergency number would be left on file at the Health Center in case of broken teeth, etc.

It must be emphasized that the administration is still considering this proposal and has taken no official action on it yet. However, student comment on matters directly affecting student life is always important, even when the administration does not specfically ask for it.



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# TACIT: Love Conquers All

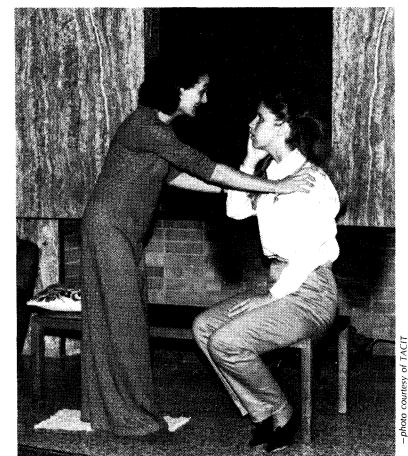


BRUCE MCLAUGHLIN AS THE ACTOR AND LEELA WOOD AS THE ACTRESS IN FERENC

This weekend and next, TACIT (Theater Arts at the California Institute of Technology) will be presenting an evening of one-act shows entitled Amor Vincit Omnia.

The plays all share the common element of courtship. The first, Still Life, by the Hungarian playwright Molnar, tells the story of the romance between an actor and an actress, and how the actress employs her charms to win from her lover what she really wants. The next, A Door should be either Open or Shut, by the Frenchman de Musset, is about a reluctant lover who surprises himself. And finally, in the English play A Phoenix Too Frequent, by Christopher Fry, love actually raises a young lady from the grave-of her husband. In all three plays, love takes an unexpected turn and triumphs over mere rationality.

George Williams has long wanted to direct Phoenix, ever since his love of Fry's verse seduced him into joining TACIT for the 1983 production of *The Lady's Not* for Burning. Phoenix shows a parallel to th elatter in revolving on the main character's changing from a love of death to a love of life. Like Janet Reno, who directs Still Life, George has been studying directing through the TACIT workshop run by Shirley Marneus, director of TACIT and of Door. Janet has appeared in several TACIT productions, most recently starring in the title role of The



LEELA WOOD AS THE MAID CONSOLES HER GREIVING MISTRESS HEATHER HUMPHREY AS THE TWO PREPARE TO STARVE THEMSELVES TO DEATH IN CHRISTOPHER FRY'S VERSE COMEDY A PHOENIX TOO FREQUENT

Madwoman of Chaillot last spring. The evening's production will therefore be a study in contrast between the styles of these three directors working with related material. The effects of lighting, setting, blocking and costuming are chosen by the director to heighten the mood created by the actors from the author's material. The audience will thus have an opportunity to participate in the experiment by observing how these elements are used by the director to create the total atmosphere of the show.

At the same time, the shows are all quite charming, and TACIT invites you to enjoy the celebration of love, which, in the end, inevitably conquers all.

Amor Vincit Omnia will play in Dabney Lounge on October 25, 26, 27, and November 1, 2, and 3 at 8 pm. Tickets are available at the door or through the Caltech Ticket Office; the student price is \$3 (\$1 for freshmen with ID).

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So Sam, the business manager, called the printers, and they said, "Well, it hasn't been shipped yet." Why? "We forgot."

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NEWS FLASH!: Sam just argued with the dickwads at the printers -- they hadn't shipped yet! They were waiting for our check to ship, and we were waiting for their shipment before we sent the check. Minor communications difficulties. I'll be damned if we're ever going to them again. So maybe the little t's will be here next Friday.

In the meantime, here are corrections to some mistakes we found in the advance copies. The addresses below are new transfer students'; sorry, guys -- we forgot. You can cut out this special -edition errata sheet and insert it in your little t--whenever it arrives.



Bansal, Ashok-Pa So EE PO Box 4744

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Bloomberg, Gary-Fl Jr Eng 3521 Iriquois Michigan City, IN 46360

Castillero, Francisco-Ri Jr EE Apartado 349, Zona 1 PANAMA

Chan, Kayee-Da So Ma 505 South Alameda Ave. Azusa. CA 91702

Cojot-Goldberg, Olivier-Fl Jr Eng 23 Ave. de l'Observatoire 23 Ave. de l Paris 75006 FRANCE

Gilham, Jeffrey-Bl Jr EE 7015 80th Ave. SE Mercer Island, WA 99362

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# Jeff Berlin Does the Bass

by John Fourkas Champion **Passport Jazz Records** 

About a year ago, I saw Jeff Berlin & Vox Humana's first concert (at Hop Singh's in Marina Del Rey). The band was great (although Bernie says it was too loud), and Berlin spent a fair amount of time throwing hints to record company executives in the audience. Well, the hints must have sunk in, because Berlin's first album, Champion, was released at the start of September.

The list of musicians on Champion quickly shows that it is an Important Album. This list includes such notables as Neil Peart, Steve Smith, Neal Schon, Scott Henderson, Clare Fischer, T. Lavitz, and Walter Afanasieff. The producer is none other than Ronnie Montrose. Sound like a strange mix of people? It is. Berlin has always strongly avoided any classification of his music. It is not rock, not jazz, and certainly not fusion (Heaven forbid that anybody should stick him with that dirty label!). Champion, as you have probably figured out by now, only confounds the problem. It contains a host of musicians from rock to mainstream pop to jazz. It is released on a jazz label, but I found it in the rock section at

> Lam, Benson-Bl Jr Eng 1354 Graynold Ave. Glendale, CA 91202

Law, Manuel-Ri Jr EE 2318 Pennerton Drive Glendale, CA 91206

Ling, Curtis-Bl So EE 2 Autumn Circle Hingham, MA 02043

Macedo, Rosemary-Ri Jr Eng 3425 E. Yorkshire Road Pasadena, CA 91107

Merken, Leo-Ll Jr Eng 1944 Laurel Canyon Boulevard

Murphy, Timothy-Da Jr EE 16923 Ainsworth Street Gardena, CA 90247

1-55, x6182."

Los Angeles, CA 90046

Tower Records. So, since I'm as confused as everybody else, let's skip the classification and get on with the review...

The album opens with "Mother Lode," a jazzy tune that would have fit well on a Bruford album. Then again, most of Champion would have fit well on a Bruford album. "Mother Lode" is a pleasant and relatively unassuming song whose big star is Scott Henderson. Henderson switches brilliantly between soothing jazz chords and fancy picking, set the mood for the whole song. The drumming is utterly competent, the keyboard work unimaginative but sound, and the bass work spotty (ranging from good to great), but the guitar is consistently fantastic. Henderson has a definite feel for this song. "20,000 Prayers," the next song, follows along the same lines but is more well-balanced. The strange chords around which this piece revolves are vaguely disconcerting, and their breaks into major chords are achieved with great finesse. We are also given our first real hint that this is a bass player's solo album, and what a hint it is.

One of the most interesting songs on the album, a cover version of Cannonball Adderly's "Marabi," follows. The drums on this song just jump out and grab you, and believe me they don't let

Nelson, Matthew-Pa Jr APh 132 San Miguel Road Pasadena, CA 91105

Ngan, Kwok-Pa So Ph 362 25th Avenue San Francisco, CA 94121

Perry, Stephen-Pa So Ma 340 Ventura Avenue #8 Palo Alto, CA 94306

Siegrist, Karen-Ri So Ph 1750 Springfield Lane Frederick, MD 21701

Szabo, Alejandro-Bl So Ph Galileo 2475 Piso 8

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go. "Marabi" features Neil Peart and Steve Smith on drums, along with Ed Smith on percussion. Although this is an adaptation of a jazz song, it is perhaps the closest thing to out and out rock on the album. The bass and guitar double leads border on incredible at times.

The last song on side one is "Subway Music," a true Jeff Berlin pop/blues song (complete with vocals). The song opens with a hallmark Berlin bass intro and builds from there. Berlin did quite a bit of singing for Bruford, but he is shy about his voice, so Keith England takes over the main vocal duties here (although Berlin sings the song when in concert). Personally, I like Berlin's voice better. At any rate, "Subway Music" is the most energetic song on the album, and the one destined to be a hit if any is to be.

Side two opens with the album's most catch melody, the start of "Three Nighter." Most of the rest of this piece is improvisation built off of this melody. Unfortunately, this improvisation strays too far away from the catchy tune, and the song gets a bit lost. It is rather disappointing that such an intriguing phrase comes back only once. Another appearance would have improved the song an untold amount.

In case the listener hasn't figured out by this point that Jeff Berlin is one of the world's foremost bass players, he sets out to prove himself. Just as Jaco Pastorius has his "America," Berlin has his version of "Dixie," complete with plenty of chords and eight finger technique. The most astounding part, however, is when he plays "Dixie" and "Yankee Doodle" at the same time. You simply have to hear it to believe it.

Next comes "What I Know Now," a pretty little mood piece. Berlin takes much of the lead with a pleasant, smooth bass line. As the song lifts towards the end, Scott Henderson takes over with some nice riffs. The best description of this song is a perfect slow dance.

The last song on the album is the title track, "Champion [of the world]." Once again there are vocals, and once again Berlin shirks the duties—this time in favor of Roger Love. Love's voice, I must admit, is rather good, and is infinitely preferable to Keith England's. For being a Song with a Message, "Champion" is still fairly pleasant. Once again, Neil Peart does some hot moves, and Ronnie Montrose (who wrote the lyrics) adds some backing vocals. The overall effect is good, but not

Champion is truly a great first effort, as would be expected from such an accomplished musician. Berlin has had offers in the past to form his own band and cut a record, but he decided he wasn't ready yet. It has been well worth the wait. With a little more melodic sense, a bit of time, and some good publicity, Jeff Berlin & Vox Humana could really go far.

# T. Rextasy

by Peter Alfke

T. Rextasy T. Rex

Warner Bros.

It's ironic that T. Rex was named after a dinosaur, for while the group helped define blues/folk/rock sound that later devolved into "dinosaur rock", T. Rex managed to stay light on its feet and avoid the clichés that now clog AOR rock'n'roll stations. Though T. Rex was enormously popular in England, and its influence great, the group remains somewhat obscure in the U.S. With any luck, a new best-of compilation, T. Rextasy, will bring more attention to the band that first brought you "Get it On (Bang a Gong)".

That song is of course on the album, and it's the best song on it, but there are classics aplenty here. The early "Ride a White Swan" shows off the folk influences and is a fine showcase for the fantasy imagery of singer/guitarist Marc Bolan's lyrics. "Jewel" is mutant blues with crunching electric guitar, a Zeppelin-esque piece which marks T. Rex's farthest

foray into proto-heavy metal.

Further songs lessen the killerriff attack; while the Power Station's cover of "Get it On" thuds and grinds along in true dinosaur style, the original brings in breathy singing, backing vocals, and even (tasteful) strings, adding funkiness and producing the trademark "T. Rex Boogie". Further hits, such as "Jeepster" and "Telegram Sam" continue the sound, producing a body of work that ranks among the best the '70s had to offer.

"Solid Gold Easy Action", a high-speed guitar thrash, makes obvious the influence that T. Rex had on the sound of punk. The rhythm's abrupt stops and starts are reflected in songs from X's "Los Angeles" to the Ramones' "Beat On the Brat".

If you enjoyed the Power Station's attempt at "Get it On", I suggest you check out the original and the rest of the songs, too, while you're at it. If your record collect tion contains Cream, Led Zeppelin, David Bowie, or Alice Cooper, to name a few, you owe it to yourself to add T. Rex to that

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Other Mistakes

p. 11: The L.A. Fed ad should read "Helen Haines, Manager" rather than "Annette Peters, Manager."

p. 66: The Model U. N. descriptions should read "For

details contact Mark McDonald or Tracy Petersen,

p. 98: Robbie's Rib Cage is no longer in existence.

LITTLE T...IT'LL BE



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# You Can't Live With 'Em, You Can't Live Without 'Em

by John Fourkas

Grab your chairs, you who dare to (or are silly enough to) read further. I hereby warn you that this will be a bitchin' [sic] column. This has nothing to do with the quality of said writing; I'm gonna complain. Kinda like Andy Rooney complains, y'know, only not so incessantly. We're not talking Gadfly action here, either. Bein' the entertainment editor and all, I'm at least qualified to gripe about what I'm gonna gripe about: concerts. And as for those hearty souls who have made it this far because they are skimming and thus haven't lost interest yet: I promise to only do it just this once....

The concert ordeal begins far before the concert. You can usually find out about upcoming concerts (for which tickets are not yet even on sale) by scanning the scalpers' ads in the Sunday Calendar (if you can palate the Times, that is). Of course, half of this "deposits being accepted on" information ends up to be totally bogus, and the ticket companies are just taking advantage of your eager anticipation and ticket line experience to earn interest on your good money. More on these people in a little bit.

As far as reliable information goes, tickets rarely go on sale without first having been advertised in the Sunday Calendar. Of course, this means that most of the important tickets go on sale on either Sunday morning or Monday morning, some of my all time favorite mornings for early rising. To further the problem, there are tons of ads in the Calendar, and it may take a good half hour to find anything that interests you (and if it is in a nightclub, the club may not even be able to afford the Times' advertising rate). This of course only applies after you have found out who has stolen this section from the floor of the lounge.

Tix

So now it's time to buy tickets. Wait a minute, which ticket company serves this particular place? Is it Ticketron or TicketMaster? Normally it is TicketMaster, because this means that you have to go all the way to Hastings Ranch to buy your tickets (face it, they never know what they're doing at May Co.). Then again, the one time you simply assume the worst and head over to Music Plus, you find out that Ticketron has the tickets. Not to worry, there is a Ticketron office at Hastings Ranch—if it is ever open, that is.

You said you wanted good tickets? Oh, well you'd better line up early, in that case. TicketMaster advertises no lining up before 6:00 am, however. This poses a dilemma. Do you line up at 9:00 pm the night before and hope that no security guard sees you before morning, do you wait in the car in the parking lot all night to get out there at the stroke of six, or do you get up at 5:30 and hightail it over there to get in line at 5:45 in front of all the poor jackasses who spent the night there? (I can personally testify that the last method is rather effective.)

## The Long Wait

So now you're in line. The wait is long, but hey, you brought homework. Say, why is everybody smirking at you? Oh well, no matter. Wait, someone just jumped into line with his buddy in front of you. Watcha gonna do? Nothing,

unless they're both incredible wimps. Not to worry, the Forum sends over special guards to all the ticket offices in order to stop line jumping when tickets first go on sale (of course, you pay \$2.00 extra for this privilege). Then again, Ticketron *doesn't* offer this service. Say, have you ever tried to get TicketMaster tickets from Ticketron? They have to call the company and try to order them that way. Fat chance...

This all reminds me of a good (and true) ticket line story, but the weak at heart (not to mention the wise) should pass on to the next paragraph. Once upon a time I was waiting in line at the Caltech ticket office (I had mistakenly cut in rather close to the front of the line). At any rate, the line was very long, and it was obvious that not everybody would get tickets. About half an hour before the ticket office opned, two Madonna clones drove up in a BMW (even though this was before Madonna was big stuff, this is the best description I can give). They took one look at the front of the long line, strode up to the guy at the front, and asked, loudly enough for the whole line to hear them, if he would buy tickets for them. Since everyone had heard them, he obviously couldn't buy them tickets, so he decided to embarrass them. He said, "Sure, if you want to sit on my face." Unfortunately for him, these two fine examples of concert fans spent two minutes privately discussing his proposal while he got very red in the face. Those who had laughed at his remark started laughing at him instead. At the end of this period, one of the girls walked up and said "No, thanks," after which they promptly got in their BMW and drove off into the sunrise.

So, it's time for the doors of the ticket company to open, and you're first in line. Did you ever notice that all of the people in the front of the line (not to mention the rest of it) claim to be buying tickets for themselves? Doesn't it seem a bit fishy, then, that all of the ticket scalpers say that they hire teenagers to stand in line all night to buy the tickets that they sell? "Oh no, we don't have a special deal with the [insert the name of your favorite theater here]." Yeah, I bet. And hey, I'll gladly pay four times the face value of the ticket, since this poor kid had to stand in line all night and could only buy four of them. Hey, I bet that you paid him well, too.

#### Just Try to Get Good Seats

So anyway, you're first in line and the doors are about to open. How come your watch reads 10:05 and the doors aren't open yet? The employees of the record store couldn't be buying tickets, could they? Nah, they would never do that. Must be a computer problem. Or is somebody's watch off? Once they finally let you in, all you can get is the first loge. How can this be when you were the first in line? Every time before you figured that the people in front of you got the first row seats. Ah well, a bad twist of fate. At least you can rest assured that the ticket scalpers didn't get the front row seats on some special kind of deal. It could never happen.

It used to be that when you went to buy tickets they would show you some terribly off-scale

rendition of the seating arrangements at the arena where the concert was to be held and show you what they could offer you. Of course, your seats looked great on this map, but when you got to the concert they were horrible. Nowadays, TicketMaster says "You can have up to four tickets in this location and this location only. Buy them and get out!" Ah, progress.

Then of course there is the dilemma of concerts with both reserved and general seating. What do you do, get crushed but get a great view, or get seats in some bleachers and hope that your binoculars work well? At least if you buy general admission tickets you don't have to be at the front of the line..

#### The Big Night

It's ten months later, and finally the night of the concert has arrived. Don't forget to bring the tickets. (What do you mean, where did I put them?) The big problem at this point is parking. You can go to the concert an hour and half early and park easily (although the prices are bad no matter when you go). Then you get to sit on your butt for an hour and a half (after standing outside waiting for the doors to open). Otherwise, you can arrive close to the appointed time, hit a traffic jam, and get in just as the concert ends. Take your choice.

It's a little bit suspicious when the doors are opened a mere fifteen minutes before the show is supposed to start, but that's OK. There's plenty to do outside. At many of our finer concert halls, shirts and other paraphernalia are sold outside before the shows now. You can always have fun watching the animal life, anyway. Inevitably, some jerk starts yelling about holding your own ticket and walking in single file. A mad rush ensues in which you are crushed like a sardine, and a line ten people wide forms. Then comes the "search." A pat here, a pat there, and you're ruled safe. What are they looking for, bazookas? I have been to all of one concert where anything has ever been confiscated. The Pat Searchers' Local 103 is a very strong union indeed...People can smuggle in anything they damned well please. Frisbees, bottles of beer, cameras, obnoxious air horns, they're all fair game. My personal favorite was the girl who came in in a dress with a camera body strapped inside of one thigh and a zoom lens strapped inside the other. She walked a bit strangely,

Once you're inside, it's time to spend twice as much as you did for your overpriced ticket. First come the shirts. Oh, I forgot, you bought one outside. Remember how you thought that it was vaguely ugly, but you decided that that was the way they were and you could save time by not buying it inside? Guess what-the shirts inside are much nicer. And see that sign over there? The one that says "Absolutely no returns"? There's plenty else to buy, however. Buttons, pins, hats, ties, headbands, you name it. Have you ever seen anyone wearing one of those ties that they sell? Then there are the tourbooks, at eight to twelve dollars. A fine bargain value.

Next it's on to the bargain-

priced food items. You know, the counter where twelve year olds can buy beer but you always get carded. My favorite place to buy concert food is the Universal Amphitheatre (although the Beverly Theatre has a pretty spiffy bar). Where else can you get such a wide variety of ethnic food, including ice cream tacos and pitchers of champagne?

#### The Hills Are Alive...

The time has come to find your seats. Have you ever noticed that every time you enter an arena you are directly opposite from where you are supposed to sit? Once you have convinced one of the friendly people wearing the bright orange "event staff" jackets to tell you how to get to the other side of the arena, you quickly find that someone is sitting in your seat. Now you have to get another of these well-attired persons to help you. Short of flashing a wad of money at said person, it is often hard to get any action at all. Even though the person occupying your seat said, "# \$ \$@\* you, this is my seat!" when you politely asked him to move, when the staff person asks it was simply a slight misunderstanding and he would be glad to move.

You may now take a look at your seats and decide who gets to sit where. One can sit behind the pillar, or in the seat with beer and barf all over it, one next to the chain cigar smoker, and one behind the seven foot giant. Or if you're lucky enough to have general admission tickets, you can try out the preliminary sardine treatment.

By this time it is well past the appointed hour. Why is it that concerts can never start on time? It is no excuse that people never get there on time. After all, they only get there late because concerts always start late. Anyway, who cares if they're late? But no, you always have to sit and watch the crowd grow more and more restless. And how about that canned music that they play? I've always wondered exactly who chooses that music. It never goes with the music that you've come to hear. This music always causes me to wonder about the sound system, too. How can this music sound so distorted and the concert sound good?

Now there is a second stage smog alert inside the building. Every time one of the canned songs ends there is a raucous cheering, and then another canned song begins. And then, finally, the moment you have been waiting for. The lights dim, the curtain goes up, and -what, an unannounced warmup band? This is another of life's great mysteries: who chooses opening acts? The bands generally (although not always) fit about as well as the music played while the lights are on. Some places (generally the smaller ones) have comics open, which can be slight-

#### The Beat Goes On...

After thirty to forty-five minutes of "music" from a band you've never heard of, the house lights go back on and the curtain goes back down. It's time to wait another hour. How long can it take to move equipment? Face it, they just like to make people wait. Even concerts that have comedians as the opening act always feature long pauses before the main event. It must have something to do with building up tension.

Finally the house lights dim and the arena is bathed in darkness. Have you ever noticed how all bands start their first number in the dark? It's OK, because there are hundreds of people holding up flaming cigarette lighters to show the band the way (I bet that you never knew that the flames could get that high). Then there is the smart guy who is turning his bottle of Binaca into a torch and singeing the hair of the guy in front of

If you were lucky enough to have gotten seats on the floor of the auditorium, now is the time when everyone stands up and refuses to sit down. I remember one show in which everyone stood on their chairs for the entire show. I couldn't see a thing the entire time. Then there are the people who move forward and claim the empty seats as soon as soon as the show starts. When the rightful owners appear, somehow the flashlight always gets pointed into your eyes.

The next great trick is to hear the music. First of all, the acoustics are guaranteed to be bad. Even though sound men spend hours equalizing the sound in big arenas, you can always manage to sit in the dead spot. Then there are all the yelling people. In Europe, crowds are very polite: they only make noise between songs. Not so in the Land of Freedom, where the object of a concert sometimes seems to be to outyell the amplified singer.

All of the people who managed to smuggle in cameras now have their chance to use them. Of course, no one wants to risk having their expensive camera confiscated, so most of the cameras in the concert hall are pocket instamatics. Somehow it never occurs to people that it does no good to take flash pictures from the farthest reaches of the arena. For that matter, unless you are on the stage, instamatic film is hardly fast enough to take pictures in a dark arena, anyway.

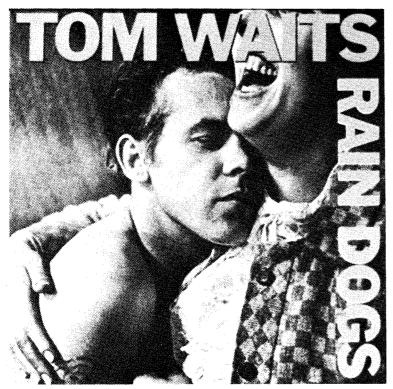
#### One More Time!

After a show which usually seems incredibly short, it is time for the encore. What is it with encores, anyway? We seem to have forgotten the entire purpose of encores-to "reward" people who have given an exceptional performance. These days, every band has a set encore (or series of encores, an even more boggling concept-"We know we're so good that we deserve multiple curtain calls...") which they will play no matter what the crowd thinks of them. While I have no problem with a band being prepared to play a certain song should there be an encore, the whole prepared encore business is a big sham. Why not just play fifteen minutes extra; after all, you could get in at least one more song in the time between the "end" of the show and the encore.

The craziest thing about all of this is that no matter how many stupid things you or I can think of about concerts, and no matter how much the concerts cost, we keep going back. Let's face it, concerts are a lot of fun, and I have no intention of abandoning them any time in the foreseeable future. It's just nice to complain once in a while, that's all....

# BUCKAROO REVIEWS

A HIGHLY IRREGULAR COLUMN BY MATT ROWE



Rain Dogs Tom Waits Island Records

I'm going to be blunt about this: no bones about it, *Rain Dogs* is Tom Waits' finest album. And Tom Waits' finest album is one of the finest works of blues on record.

The nineteen songs on this album-Waits' first since 1982's Swordfishtrombone represent almost every sad luck story there is. There's the country blues of "Gun Street Girl":

Now the rain's like gravel on an old tin roof
And the Burlington Northern's pulling out of the world
With a head full of bourbon and a dream in the straw.
And a Gun Street Girl was the cause of it all
A Gun Street Girl was the cause

of it all. There's "Singapore", the opening track—a twisted, mis-arranged tango from the mouth of a lunatic. There's "Big Black Mariah", the outlaw's blues, with Keith Richards on guitar and Waits screaming at the top of his gravelly voice. And there's sixteen more tracks.

Rain Dogs is not an album you can ignore: Tom Waits' voice is so raspy (he once chain-smoked un-

filtered cigarettes) that you'll find yourself clearing your own throat every few minutes. The instrumentation is at times so obscure that it only succeeds because of its unlikelyhood. The lyrics are from the mouths of such downtrodded, unhappy characters—the "rain dogs" of the title—that you can't help but share their feelings. And, finally, Waits lays down such a mean tune you're almost guaranteed to hum along.

Tom Waits has been playing the blues for over ten years, and, at thirty-four, he is acknowledged to be one of the masters of the genre. When, two years ago, he moved from his native Los Angeles to New York City, many fans and critics feared he would become another rich, unfeeling city boy. Instead, he has turned out the most heartfelt album of his career. We, too, must "Clap Hands" when he salutes the down-and-out:

Sane, sane, they're all insane
The fireman's blind, the con
ductor's lame

A Cincinatti jacket and a sad luck dame

Hanging out the window with a bottle full of rain Clap hands, clap hands Clap hands, clap hands He has even found new material to sing about. "Downtown Train", about "those Brooklyn girls/They try so hard to break out of their little worlds," is reminiscent of the best of Bruce Springsteen—and, unlike certain pale attempts at imitation, sounds just as good. "Midtown" and "Bride of Rain Dog" are the album's two

instrumentals, and center on the jazz of the Uptown Horns. But even without lyrics, Tom Waits' music can be happy, sad, and crazy all at once.

And, in a world gone mad with Power Stations and Journeys and Wham!s, it can be refreshing, too, to hear music that someone put some thought into. Tom Waits will be at the Beverly Theatre, November 23 and 24. Tickets are available at Ticketron outlets (i.e., the Ticket Office). And, in case you're wondering, Rain Dogs is a single disc—albeit nearly an hour long. For about seven bucks, it's one of the best bargains of any kind that I know of.

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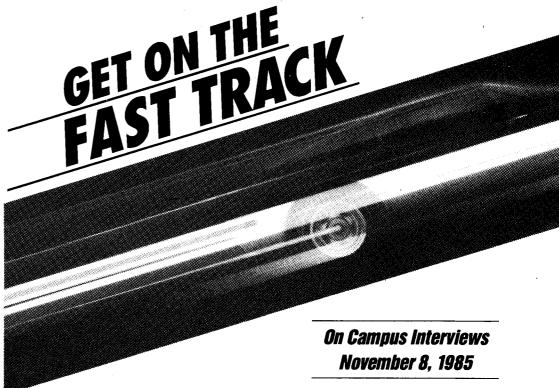
The Orient Express: This year's first Armchair Adventure, hosted by Kathleen Dusek. Beckman Auditorium. Fri. Oct. 25, 8:00 pm. \$7.00-5.00.

Dive! Dive! Dive: Jim and Cathy Church host "Escape to Our Underwater World," a festival of underwater (as opposed to underground or groundwater) movies. Bring your 3-D goggles. Beckman Auditorium. Sat. Oct. 26, 8:00 pm. \$7.50 faculty & staff, \$6.50 with student I.D.

A Recital: Cheryl Parrish opens this year's Recital Series at Caltech. Ramo Auditorium. Sun. Oct. 27, 3:30 pm. \$10.00 faculty & staff, \$6.00 with student I.D.

Life After Otherworld?: Ringers, a new play by Alan Miller, opens at the Back Alley Theatre. Gretchen Corbett is back from that terrible planet. Who knows what may happen? Back Alley Theatre, 15231 Burbank Boulevard, Van Nuys. Wed-Sun starting Oct. 31. Fri-Sat \$14.00, otherwise \$12.00. All shows at 8:00 pm, plus 3:00 Sunday matinee.

Get 'em while they're hot: This time I'm warning you in advance, instead of writing a "How could you have missed it?" review afterwards: Jeff Berlin is playing Hop Singh's Fri. & Sat. Nov. 8 & 9. That's at 4110 Lincoln Blvd., Marina Del Rey, but buy your tickets at Ticket Master. And don't say I didn't warn you....



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Patrick Moraz Review

# How a Concert Should Be

by John Fourkas Patrick Moraz and Bill Bruford Wolfgang's

San Francisco, September 5

Two years ago I went to a concert at a cozy little club in San Francisco called Wolfgang's. Although I got there kind of late, I still got a great seat—there were no bad seats in the place. Who was playing? Patrick Moraz and Bill Bruford, with "Music for Piano and Drums." The two had only worked together once previously, to my knowledge: on Chris Squire's solo album, Fish Out of Water. Furthermore, music with only piano and drums seemed to me a rather bizarre and unpromising concept. Also, I had never heard of this place "Wolfgang's." Nonetheless, these were two of my favorite musicians, so I decided to go see them. It was a great decision on my part. The concert was certainly one of the best I had ever seen, and it taught me to scan the Sunday newspaper for bizarre little concert ads. Well, about six months after that, Moraz and Bruford put out an album aptly entitled Music for Piano and Drums. But that's an old story, and you've probably already read about it if you care...

Cut to August, 1985: A friend called me and said, "Hey, guess who's coming to the Beverly Theatre in September?" Yep, you guessed it—Rick Wakeman! But wait, that's another phone call and another story. In this particular instance, it was (drumroll, please)

Patrick Moraz and Bill Bruford. Well, of course I wasn't going to be in the area at the appointed time, so I called a friend in the Bay Area and had him get tickets there, at Wolfgang's no less. I soon found out the whole story-Moraz and Bruford have just put out a new album, Flags, and they are on a twenty-one day, seventeen concert tour to promote it. More about Flags in another review, however.

At this point I should backtrack (or sidetrack, as the case may be) ane explain to all the neophytes who Bill Bruford and Patrick Moraz are. (Veteran readers may move on to the next paragraph.) Although you may not have heard of either of these people, you have almost certainly heard them. Patrick Moraz is presently the keyboardist for the Moody Blues, and has played with Refugee, Mainhorse, and Yes. Bill Bruford is presently with King Crimson, and has played with Yes (at a different time than Moraz), Genesis, UK, and a band called Bruford. Now then...

Wolfgang's runs a scam for non-dancing concerts in which you can get an eight dollar dinner added on to your ticket and get "preferred" seating. Unfortunately for them (and the "lucky" suckers who got the upgraded tickets), they forgot to advertise this, and only the Wolfgang's veterans found out. In other words, only about ten people got dinner tickets. Meanwhile, those of us who got there three

hours early got front row seats, much to the chagrin of those who laid out the eight bucks. (They really got worried when a guy carried in ten pizzas an hour before the show.) The moral of the story is, the Beverly Theatre is nice but.

The curtain opened promptly at 8:00 (another advantage to seeing concerts in the Bay Area) and a local comedian named Milt Abel did his bit for twenty minutes. He was actually pretty funny, as opening comedians go, although he had to do what every Bay Area comedian seems to be required to: make fun of Berkeley. Of course, everybody really spent this twenty minutes looking at the instrument setup. Moraz had a grand piano and a Kurzweil (the \$25,000 wonder synthesizer, and worth every penny from what I heard). Bruford had a larger set than his previous bare-bones jazz set—this one even included four electronic

After old Milt had done his bit the curtains closed, and we were treated to another twenty minute wait. (I have never understood why there are these big delays even when all of the instruments are set up and ready to go.) At any rate, then the curtains opened and there they were. What happened for the next ninety minutes almost defies description, but I'll see what I can

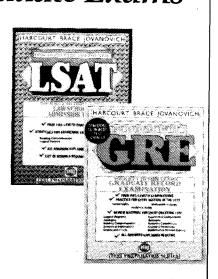
It is said that a Kurzweil can imitate a piano more accurately than any other synthesizer in existence. Moraz set out to prove this almost immediately, in a composition which Bruford termed "courageously untitled, as of yet." The lower octaves were truly indistinguishable from a piano, and it was only the higher notes that gave the instrument away. But this isn't a synthesizer review . . . Moraz and Bruford managed to look utterly composed and yet vibrant in their white jackets and tennis shoes as they flowed through this nameless number. They then did a wonderful version of "Blue Brains" which was somewhat of a hybrid of the versions on Music for Piano and Drums and Timecode. The delicate mix of synthesizer and piano; along with the powerful yet subtle drumming, made the song an instant success.

At this point, Bruford got up, doffed his white jacket (for his face was already streaming with sweat), and introduced the "members of the band." They then set into "Eastern Sundays," a song which Moraz "wrote" as an improvisation for a live Swiss broadcast in 1979 and which was later rearranged and put on Music for Piano and Drums. The mixture of styles again made for a stronger piece than either of the originals. This was followed by "Flags," the intriguing title cut from the new album.

Other highlights of the evening included "Children's Concerto" (probably the best song from Music for Piano and Drums), an amazing cover version of Max Roach's drum piece "The Drum Also Waltzes," and an encore of "Temples of Joy," a rearranged song from Moraz's second solo album, Patrick Moraz. As with the last time I saw these two, the crowd was left wanting much more. The combination of Bruford's intricate drum rhythms and Moraz's complex keyboard melodies is simply too good to pass up (or leave). Moraz plays with a very serious finesse, striking the keys and drawing up his hands with a flourish. Yet he seems amazed at applause (perhaps because Bruford is so much more famous), and smiles like a delighted little child. Bruford plays astonishing rhythms seemingly effortlessly, the only sign of any strain being his non-stop sweating. He too is a very modest performer, accepting applause with a little nod which seems to say that he doesn't think he deserves all of the attention. The two performers work marvelously together, and I regret that I can do nothing better to describe their show. I also regret that I didn't get tickets for the 11:00

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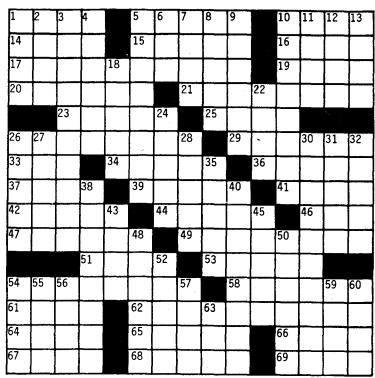
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**ACROSS** 

47 Wise, loyal adviser 11 Help

#### 49 Fur merchants 12 Ecuador's neighbor 51 Arden, et al. 53 Hall-of-fame 1 Object before a 13 High-speed planes horse 18 Swift 5 Surviving trace 10 Track measure (pl.) 14 United States pitcher 22 Irritate 54 Enact again 24 Affected smile 58 Steinways 26 Deep gorge (abbr.) 61 Jai 15 Speak theatrically 62 Report and analyze 28 Slanted 16 Burrows and Lincoln 30 What "nee the news signifies (2 wds.) 64 Singer Smith 17 Of greatest excellence 65 Stopwatch, e.g. 66 "—— the Mood for Love" 31 In accordance with 19 Lively 20 FDR VP (2 wds.) 32 Prophets 21 Post-retirement 67 Baseball's 35 "One Million B.C. title Slaughter 23 Place: Gr. 68 Glances at 38 Main roadways 25 Port —, Egypt 26 Leadership quality - magnifique!" 69 40 Turtles 43 "Get going!" 45 "Lady of — DOWN 29 South American 1 Fishing term 48 Responds to ruminants 33 Fedora 2 Asian river 50 Involving speech 3 General opinion of 52 Follower of Zeno 36 Obliterate 4 A shaking 54 Yard tool Like Rudolph (hyph.)55 Vivacity Minor 39 Loses moisture 41 "My goodness!" 56 Roman statesman 57 Mrs. Peel 6 Flightless bird 7 Gallop 42 Window or trooper 44 Part of KKK (pl.) 46 German article 8 Articles 59 Elevator man

9 Breakfast dish

10 Stone cutter

60 Transmitted

63 Crew

# ore Continued

on hard science. This is not to say that they want to make Caltech's science education weaker; rather, they'd like to see Caltech students get a more balanced schooling.

Of course, the committee won't

make any descisions on a vacuum. The members of the committee, Drs. David Goodstein, Hans Liepmann, Jerome McGann, David Wales, and Sunney Chan, are traveling to MIT, Stanford, and

Harvey Mudd to observe how their curricula affect their students, as well as talking to members of the Caltech community about their feelings on the core curriculum and its effects. To get different view-

points, the Curriculum Committee wants to talk to alumni and people who have left Caltech without degrees. And of course, they really want to talk to students.

To this end, the IHC and the Curriculum Committee will be setting up meetings in all seven houses in the next seven weeks. Since its recommendations must be published by February, as many student ideas as possible are needed as

soon as possible. The administra tion has made a commitment to take the committee's recommenda tions very seriously; these recom mendations could have a huge ef fect on student life at Caltech Therefore it is imperative that al students who care about the quali ty of life here (and one hopes tha this includes everyone) let the members of the Curriculum Com mittee know what they think.

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DRINKING AND DRIVING CAN KILL A FRIENDSHIP

# More House Renovation Pl

from page 1

quest, Physical Plant has made a preliminary investigation into the condition of the south houses, and an estimate of the needed repairs. Their investigation reports that the plumbing, heating and electrical systems are in need of a complete overhaul, if not total replacement. Similarly, the woodwork and finishings need restoration, as do the courtyard and basement drainage systems. Repairs are difficult because lack of local shutoffs requires a large-scale shutdown for repairs to be made, and because many of the pipes and wires are inaccessible, buried inside walls or under floors.

It is unnerving that the south houses have been allowed to fall into such disrepair. Part of the reason for this degeneration is the dearth of financial support that has been available. But some of the cause lies in the fact that, up until now,

there has never been a coördinated attempt at restoration, and the many parties responsible have never agreed upon a solution to the

Dr. Cass hopes to amend this situation by involving all groups affected by the project. Everyone who has an interest in the restoration will be included in the planning: undergraduates, the IHC, the MOSH, Resident Associates, Maintenance and the Housing and Business Offices. President Marvin Goldberger and Provost Rochus Vogt have have recently toured and inspected the south houses, are aware of the magnitude of the problem, and have expressed their commitment to the project and to the committee's goals.

Members of the committee emphasize that their objective is not to alter the south houses, but to restore them to "something approximating their original condition."

They are aware of student concern, and stress that there will be student involvement throughout the planning stages.

Restoration plans will definitely address the problems of plumbing, etc. Beyond that, though, the committee will look to students for guidance. Students will be able to route suggestions through their house presidents, who will pass them on to the committee. The committee will incorporate these suggestions into an effective plan. which will then be presented to the IHC and students for evaluation and comment. This process will continue until students are satisfied. Plans are very flexible at this stage, and every attempt will be made to accomodate students' desires.

This is undoubtably a two or three year project, at least. The current schedule calls for shutting down (probably) two houses each

summer. Plumbing controls make it impossible to totally shut down only one house at a time, while both the number of on-campus students during the summer (this even prevented any houses from being closed last summer) as well as the horrific spectre of not being finished by September, make it impractical to close more than two.

In a separate but linked project, the committee also hopes to make improvements to the south house basement area. While the basement will never be prime real estate, much of it could nonetheless be used for student activities. The proposed move of the Coffeehouse into the basement kitchen space has generated the most publicity; the move was postponed last summer, but a detailed assesment exists, and Dr. Brennen believes that it is still an excellent idea. Preliminary estimates have been made for such projects as converting the storage rooms in the west side of the basement into clubrooms and activity areas for students of all houses, north and south. These plans will

complement, but not replace, those for the proposed new student center. Basement work has the advantage that it can be done any time during the school year, but since the plan will be developed in conjunction with the restoration project, it is unclear when planning will be finished and work can begin.

As for a time scale, Dr. Jim Morgan, Vice President for Student Affairs, expects a preliminary assessment by the end of this term, and work will begin immediately following graduation. Dr. Cass assures, "This will be a thorough job, done as quickly as possible.'

South house residents: you should start thinking of what you want done-what needs to be fixed, what should be renovated (is your door painted brown?), even what could be improved. Says committee chairman Dr. Glen Cass, "Don't be timid; ask for more than just a paint job." Almost anything can be done-it depends on what the students want. And don't fret, north house people: your houses' turn will come.

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# T. Boone Pickens

from page 1

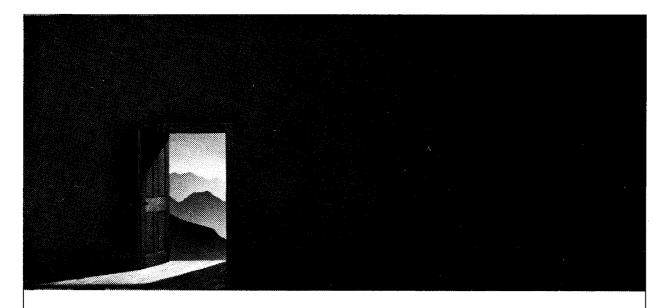
vocates. Mr. Pickens stresses that in a corporation the management directors are employees not owners; too many big business people appear to forget this fact.

Mr. Pickens prides himself on being able to stand up and answer any questions. He is pleases to give a relaxed interview on any subject; he feels that directors who cannot deal openly do not belong in public corporations.

What are Mr. Pickens' prospects for the future? He would like to write a book, teach at a univer-

sity, and perhaps run for public office. He certainly doesn't need an elected position for money or fame, but he would "like to do some useful things for the State of Texas."

T. Boone Pickens earned his bachelor's degree in geology. Instead of going into business, he might have just accepted a job as a high school teacher and basketball coach. Coaching basketball would have made an enjoyable life, too: as T. Boone Pickens says, "People can be wealthy without making any money!"



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# Creation of the Universe

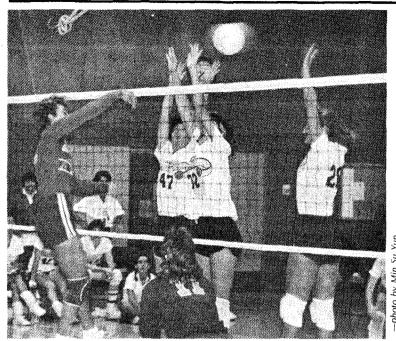
(CNB)-A 90-minute television special "The Creation of the Universe," which features scenes shot at Caltech and Palomar Observatory and interviews with Murray Gell-Mann, will be previewed at Caltech on Wednesday, October 30. The videotape will be shown beginning at 7:00 pm in 201 E. Bridge.

The special, which will premier on PBS on November 20, was written and hosted by science journalist Timothy Ferris, who will be on hand at the Caltech screening.

The program uses computer graphics and other effects designed by Ferris and Caltech Weingart Fellow Nicholas Warner to explain how theories of subatomic particles are yielding insight into the origin and evolution of the universe. The program also uses sequences shot in New York, France, and Italy to illustrate the current theories of the history of the universe.

According to a review of the program in the November issue of Science 85 "Ferris has produced nothing but short of a television masterpiece. He has captured the entire sweep of physics, shaped it, and rendered it utterly comprehensible."

# **SPORTS**



JULIE MOSES, NICOLE VOGT, AND LINDA SCHLUETER GO UP FOR THE BLOCK AGAINST CHRIST COLLEGE

## **Weekly Sports Calendar**

Day	Date	Time	Sport	Opponent	Location
Fri.	10-25	6:00 pm	Women's Volleyball	Pomona-Pitzer	Pomona-Pitzer
Sat.	10-26	9:30 am	Cross Country (M/W)	La Verne, Claremont College	
Sat.	10-26	10:00 am	Soccer	Claremont-Mudd	Caltech
Sat.	10-26	10:00 am	Water Polo	Occidental	Occidental
Sat.	10-26	1:00 pm	Fencing	UCSB & Cal State Long Beac	hCal State Long Beacl
Sat.	10-26	1:30 pm	Football	O. C. Cowboys	Antelope Valley Col
Sat.	10-26	2:00 pm	Women's Volleyball	Whittier J.V.	Caltech
Tue.	10-29	5:30 pm	Women's Volleyball	Occidental J.V.	Occidental
Wed.	10-30	2:30 pm	Soccer	L. A. Baptist	Caltech
Wed.	10-30	4:00 pm	Water Polo	Pomona-Pitzer	Caltech
Fri.	11-1	4:30 pm	Water Polo	Cal Poly San Luis Obispo	Caltech
Sat.	11-2	10:00 am	Cross Country (M/W)	SCIAC Finals	La Mirada Reg. Park
Sat.	11-2	2:00 pm	Women's Volleyball	The Master's College	Caltech
Sat.	11-2	10:00 am	Soccer	Whittier	Whittier
Sat.	11-2	10:00 am	Water Polo	Claremont-Mudd	Caltech
Sat.	11-2	1:00 pm	Fencing	Cal State Fullerton & UCSD	UC San Diego
Sat.	11-2	1:30 pm	Football	San Diego Sabres	Caltech
Sun.	11-3	3:00 pm	Club Soccer	Erithrea Community Team	West L.A. College

# Caltech's Personal Best

by D.M.C. Run

This week in cross country was highlighted by a tremendous performance on the part of the Caltech women runners, almost all of whom ran personal best times for the season last weekend.

After having improved thier times at Whittier last week, some by over a minute, each woman came back against Cal State San Bernardino to improve upon their best times once again. Clea Bures chopped 36 seconds off her best time, running 21:52 for 3.1 miles; Pam De Moor improved on her best time by 2 minutes, 20 seconds, blazing to the finish in 23:20; Marit Jentoft-Nilsen improved 1 minute, 8 seconds from the previous week to clock a personal of 25:16. Betsy Arnold was right on marit's heels with a time of 25:17, and 56 seconds improvement. Bibi Jentoft-Nilsen (Marit's big sister) improved 55 seconds, stopping the clock at 25:47. Yvette Madrid subtracted 1 minute, 14 seconds from her previous best race, finishing in 25:51. Dee Morrison managed to knock 8 seconds off her time, with a 27:53 clocking. Finally, Carmen Shepard ran the tough hilly course in 29:24. Coach O'Brien after the meet stated, "The women's team amazed me this week, because I trained them through this race and yet they all managed to improve."

The men's team also ran impressively at this difficult meet. An interesting thing happened on the way to the finish line in this meet... 17 of our Caltech harriers came in one after another without any CS San Bernardino runners to interrupt the bright orange deluge. It was strictly a sea of orange on the race course. Several of our male runners missed this meet due to illness or surf reports; however, on a course that was a quarter mile longer than the traditional 5-mile course, they all managed to run times comparable to previous times. Notably, John Beck led the charge with a time of 31:36; Charlie Lee was close behind in 31:49, while John Gehring trailed in with a 32:15 run. Freshman Jeff Wilis and junior Darin Acosta rounded out the top 5 with times of 33:11 and 33:17 respectively.

This weekend, the team travels to Pomona-Pitzer for a triple-dual meet against La Verne, Claremont and Pomona. The following weekend will be the SCIAC Conference Championships at La Mirada Regional park. Coach Jim O'Brien will be hosting the meet and is in desperate need of volunteers to help in the administration of the race. For further info, call 356-6146.



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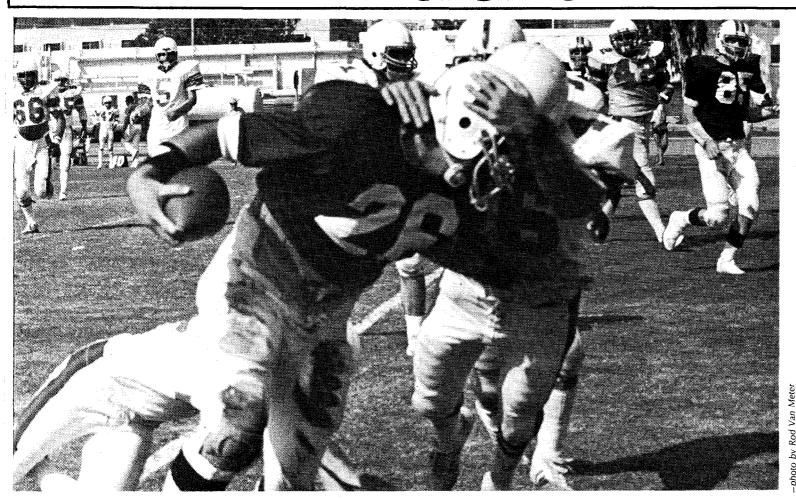
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## **SPORTS**



STEPHEN COLLINS LOSES HIS HEAD IN A 27-8 VICTORY SATURDAY OVER THE VALLEY FREELANCERS



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## Psycho Soccer

by Chih Kin

The Caltech soccer team fought its way to a 4-2 overtime victory over SCIAC opponent University of Redlands on Wednesday.

The Beaver booters went down 1-0 at 32 minutes when the Tech midfielders failed to cover on a Redlands break-away. Caltech evened the tally with fine psychological play. Konstantin Othmer pulled back from a diving header, thereby attracting defenders and allowing John Henry Scott to pump in the tying goal.

In second half action, Randy Bownds blasted a rocket shot past the Redlands goalkeeper. Tech held the lead until the referee accused a Beaver defender on a questionable call. (The attacker had taken a dive.) Redlands scored on the ensuing penalty kick to tie the match through regulation time.

In the first overtime period, Alan Kwentus scored a masterful goal, passing the Redlands keeper low, to give Tech a lead which would not be relinquished. Michael Keating added a goal in the second extra period following an Oscarwinning foul on Othmer.

Superior defensive performances were turned in by an ailing Derek Ney, an aching Steve McNally, and a tall John Josephson. Home game tomorrow at 10:00 a.m. Be there!

# POLO!

by D. Mikasa

During the past wek, the Caltech Beavers continued their improvement, and dominated in the four games they played. Even though we only had two victories, it was quite an impressive week.

Last Saturday, we played three games. In our first game, we lost to Whittier by a score of 8-5. It was only because of a 3-0 third quarter that we lost that game. This was a very encouraging start to the day. The next game was against U.C. Riverside. The previous game we played against them with a full team we lost 20-8. In a very tight game, we were up by one after three quarters. Then, the referees decided they needed to watch 4-meter shots, again & again & again. We still hung tough and were up by 2 with two minutes to go. Then came our self-destruction and the subsequent 9-8 loss.

Our last game was against conference rival Redlands. This was a big game, as we would face them on Wednesday in a conference game. Although both teams were tired, they played hard. Caltech, however, used its intelligence and a zone defense to confound Redlands and win by two goals. This was one of the most satisfying wins so far.

On Wednesday, we travelled to the Roman Baths in Redlands for our first SCIAC battle. At the half, we were tied 7-7, although this was due more to our lack of shooting. In the third quarter, Caltech went to its zone defense. The Bulldogs were totally amazed at this, and were outscored by 5 goals that quarter. In the fourth quarter, we continued the zone defense and completely dominated the game. With 2:30 to go, we were up by a score of 17-10. Coach Dodd then put in the JV team, who preserved the victory.

Right now, we are 1-0 in conference play, and are thus tied for first. This Saturday we play Oxy at Oxy, but return home on Wednesday. Our team looks very good right now, so come out and cheer us to more victories.

# WHAT GOES ON

Material for What Goes On must be submitted typed on or with an Announcement Form, available at the offices of The California Tech, by the Tuesday preceding the Friday of publication.

#### **Bayit Warming**

This Friday the Caltech Bayit is having its first open house at its new location. That's right—the Bayit has moved to 350 S. Wilson. Everybody is welcome to join us for dinner at 6:30 pm. Dinner will be preceded by a short prayer service at 6:00 pm. If you want to help welcome in the new Bayit and this Sabbath, drop by, but RSVP first. Our extension is x3966.

#### **Road Hockey**

If you know what the title means, then the Canadian Club wants you! We meet every Saturday at 9:00 am in the north campus parking lot (north of Watson) to play ball hockey. Anyone is welcome to come out and play. Some sticks will be available for those who need them.

#### **Bridge Tournament**

The Second Annual Caltech Bridge Tournament will be held on November 17th, afternoon and evening, in Winnett Lounge. Earn master points! Win BIIIG prizes! Play starts at 1:00 pm. Bring your own team-of-four, or just pairs and individuals; we will form teams. Don't miss it! There won't be another tournament 'till next term! Call Jeffrey (x4543) for more details.

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LOST & FOUND-

**FOUND.** Large bag of photos & slides depicting Fleming house outing to Disneyland & individual portraits. Left in Chester Apt. #106 after second term 84/85. Call 584-1594.

## **Amor Vincit Omnia**

The fall TACIT production of Amor Vincit Omnia opens tonight and will play October 25, 26 and 27 and November 1, 2, and 3 at 8:00 pm in Dabney Hall Lounge. The show is comprised of three one-act comedies (Still Life, by Molnar; A Door Should Be Either Open or Shut, by de Musset; and A Phoenix Too Frequent, by Fry) which share the common theme of courtship. Come join the fun. Tickets are available at the door or through the Caltech Ticket Office. Student discount price \$3 (freshmen with ID \$1).

#### What Goes On

Yo, dudes! ASCIT is sponsoring a beer-ball game with Harvey Mudd College in Claremont on Saturday, November 9 at 1:30 pm. The game is over there, so some transportation will be arranged. There will be lots of beer, but you should bring your own glove. Come play ball and get wasted! If you don't drink beer, come for the barbecue. Sign up today in your house lounge.

## **Computer Art Show**

From November 18 thorugh 23, CalArts will be hosting Arts-Tech '85, a joint CalArts-Caltech Computer Art Show. Members of the Caltech/JPL communities are invited to submit flat art, color and b/w prints, transparencies, videotape, or film for a gallery exhibit of computer graphics. On November 19, there will be two live performances for which we are also seeking computer graphics images to be used as roll-ins. The deadline for submissions is Halloween, October 31, 1985. Please call Ernie Sasaki (273 Jorgensen) at x6255 for a copy of the complete Call for Participation.

#### Kismet

There will be an organizational meeting regarding the 1986 Caltech Musical Kismet on Tuesday, October 29, at 7:30 pm in Winnett's Clubroom 1. The musical is open to all members of the Caltech community: undergrads, grads, staff, faculty, and JPL. Anyone interested in acting, singing, dancing, playing in the orchestra, or working backstage is invited to attend. For further information, call TACIT at x6259.



#### TA in Japan

English Teaching Assistantship in Japan, formerly known as the Mombusho English Fellow (MEF) program. The program places participants throughout Japan in a variety of municipal and prefectural boards of education. Up to 150 assistantships will be available during 1986-87. Applications are in the Financial Aid Office. Application Deadline is 5 pm, November 1, 1985.

### Play With Big Bucks!

Come play with almost \$100,000 of other people's money! Absolutely no personal liability. No prior experience required. Free dinners at the Athenaeum and Scripps College. Insights into the world of high finance: securities, earnings, profits, liquidity, etc. All students (undergrad and grad) are welcome. Too good to be true? Call Sing Ung at x3975 or leave a message. Or speak to Yosufi and his amazing talking maching at 796-3227.

#### **Climbers Take Note**

Campus rock climbers who look for more than the north face of Booth to climb, take note: an informal group of climbers exists that goes bouldering at Stony Point on Wednesday afternoons and Sunday mornings, with occasional weekend trips to Big Rock, Suicide/Tahquitz, and Joshua Tree. Interested parties should contact Robert Lang (x4829), Larry Sverdrup (x3985) or Jeff Stern (x6627).

#### Caltech's OASIS

O•A•SISn. p. -ses. 1. An area in a desert made fertile by groundwater. 2. Caltech's own Organization of Associated Students of the Indian Subcontinent.

Our first meeting will be this Saturday, October 26, in Winnett, Clubroom 1 at 7:00 pm. All are welcome! For more information, contact Vivek at x6180 or Sanjay at x3963.

#### **Chicano Scientists**

The National Chicano Council for Higher Education will support approximately 20 Hispanic undergraduate juniors who are interested in pursuing doctorates and academic careers. Applicants must be Hispanic citizens of the U.S. For more information, specific questions should be addressed to: Rafael Magallan, Tomas Rivera Center, 710 N. College Ave., Claremont, CA 91711. Phone (714) 625-6607 or 624-9594. For additional information contact the Financial Aid Office. Application deadline: November 8, 1985.

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## **Minority Grad Money**

Minority graduate fellowships are open to persons who are at or near the beginning of their graduate study. Applicants must be U.S. citizens or nationals who are members of one of the following ethnic minority groups: American Indian, Black, Hispanic, Native American (Eskimo or Aleut), or native Pacific Islander (Polynesian or Micronesian). For additional information contact the Financial Aid Office. Deadline for application is November 15, 1985.

#### **Graduate Fellowships**

National Science Foundation Graduate Fellowship Program is open to applicants who are citizens or nationals of the U.S. at the time of application. Students must be at or near the beginning of their graduate study. For more information contact the Financial Aid Office. Deadline for application: November 15, 1985.

#### Women's Basketball

The women's basketball team will be practicing at 11:00 a.m. on Sunday in the gym. All interested women are welcome.

#### **Swedish Scholarship**

The Swedish Club of L.S. is offering scholarships of \$500 to \$1000. Requirements are: 1) University student residing in Southern California; 2) Swedish descent; 3) Strong academic qualifications in university courses; 4) Must show economic need; 5) Must be a U.S. citizen or permanent resident. To apply, send resume to: R.W. Jackson, 1250 E. Walnut St., Suite 210, Pasadena, CA 91106. (818) 795-1098. For additional information contact the Financial Aid Office. Application Deadline: November 15, 1985.

#### Earthquake!

What would you do in the event of a major earthquake? What can you do now to be better prepared? There will be a 1 hour presentation on exactly that subject Wednessay 30 October at 8:00 p.m. in Baxter Lecture Hall. You need to hear this! Sponsored by the Y and LDSSA.

#### C\*L\*A\*G\*S

The Caltech Lesbian and Gay Society will have its weekly rap and social meeting Monaday night at 8:00 p.m. in the Y lounge. Refreshments will be served.

#### Caltech Bridge Club

The Bridge Club meets Mondays at 7:00 pm, in the Red Door Cafe. We play duplicate. Everyone welcome. Earn Master Points! (We are ACBL sanctioned.) Call Jeffrey (x4543) for more details.

#### **United Nations Day**

Caltech will observe of the 40th anniversery of the founding of the United Nations with an address by Dr. Nathanial Davis on "Directions in U.S. Foriegn Policy." The talk and a free lunch at the Athenaeum will be offered to all the students who signed up in the Y this past week. Don't forget to go if you did sign up!

#### Go Fly A Kite

The Y is sponsoring a trip to the Venice Pier Kite Festival on Saturday 26 October. There is no admission cost. Bring your own kite, or just come to watch. The Y car will be leaving from Winnett at 10:30 a.m.. Sign up in the Y today!

# Faculty-Student Conference

Here's a great chance to get in volved at Caltech...the bi-annual Faculty Student Conference is in its initial planning stages. The conference is an open forum where students and faculty discuss problem areas at Caltech. Much work needs to be done in advance, however. Anyone willing to help plan the conference should come to the meeting Wednesday 28 October at 8:00 p.m. in the MOSH's office.

#### **New New Editors**

Your new *Tech* editors would like to invite anyone interested in contributing to the school newspaper to come to room 127 Baxter today at noon for a staff meeting. If you have ever thought of writing for the paper, come on over and find out how you can help.



## CALTECH PASADENA, CA 91125

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