

# Sex in Beckman

by Diana Foss

After cautioning his audience that any politics one might see in his lecture was "all in the mind," Dr. Masakazu Konishi went on to give the latest offering in the Watson Lecture Series, "The Gender Gap in the Brain." Indeed, it seemed that the people who packed Beckman Auditorium Wednesday night might have expected something a bit more controversial than the lecture Konishi did give, which concerned itself entirely with biology. But this lack of politics certainly did not make an uninteresting evening. Dr. Konishi reported on his research on the differences between the female and male brains of songbirds, as well as giving an historical sketch of the research that led up to his own. Perhaps aware of his audience's possible desire for more than results of experiments on birds, Konishi included at the end of his lecture a bit about hormonal disorders in human beings, but this had nothing to do with the rest of the talk, and seemed to be an unfortunate attempt to live up to the false expectations generated by the title of the lecture. Dr. Konishi's research is fascinating in its own right, and it shouldn't need the lure of sexual politics to bring people to hear about it.

Dr. Konishi began the lecture with a slide of two pinups: a nude woman and a hugely overmuscled man. He asked if a zoologist from another planet would be able to classify the people on the screen as members of the same species, and said that indeed, in the history of taxonomy males and females of the same species have sometimes been classified separately. One of the most striking differences between the sexes in mammals is the presence of the ovarian cycle in females only. This is an example of a sexual dimorphism—a physical characteristic that differs between females and males in the same species. There are obviously many physiological sexual dimorphisms in animals; researchers have long been interested in sexual dimorphisms of the brain.

In the 1930's, Goodman found that if a rat ovary was implanted in

the anterior cavity of the eye—the area between the cornea and the iris—it would continue the ovarian cycle in females, but not in males, whether or not they were castrated. Later, another researcher, Pfatter, found that the ovary would cycle only if it was implanted in the eye of a male rat that had been castrated early on. At first the pituitary was thought to exert sole control over the ovarian cycle, but when the pituitary of a female rat was replaced with that of a male and the ovarian cycle continued, the hypothalamus, the area of the brain just above the pituitary, was found to control the actions of the pituitary. All of this led to the theory that at birth and shortly afterward, the brains of females and males were identical, and that only the onset of testosterone production produced a "male" brain. The brain of a male rat castrated early in its life would remain in this neutral state, as would the brain of a female rat.

About fifteen years ago, researchers found large differences in the brains of female and male songbirds. Usually only male songbirds sing, and this activity is controlled by the song center, a collection of nuclei in the brain. These nuclei have a great affinity for testosterone, which facilitates protein production. In the spring, there is a lot of testosterone found in the male songbird's bloodstream. This leads to the growth of the nuclei in the song system, and birds sing more often in the spring. Testosterone levels are down the rest of the year, and the nuclei actually shrink. Thus, birds sing less often.

When testosterone is injected into a female white crown sparrow, she sings. Konishi and his colleagues also injected these birds with amino acids bearing a radioactive tracer, and they found, when they examined cross sections of the brain, that the song system nuclei, usually vanishingly small to nonexistent in the female, had grown enormously, and were the same size as those of a male white crown sparrow.

Some birds, however, don't respond to testosterone like this.

Male zebra finches sing, and female don't, no matter how much testosterone one gives them. There are greater sex differences in this species, even down on the cellular level. The cells of the song system are bigger in males, with more and bigger dendrites, than they are in females. Konishi and his colleagues originally thought that these dimorphisms arose because of the effect of testosterone on a neutra brain, but they later found that the song center of a female zebra finch actually shrinks after birth, while a male's grows.

They succeeded in introducing sex differences in a surprising way. If fifty micrograms of *estrogen* is introduced slowly into a female chick, she will develop a full song system whose nuclei are very close to those of a male zebra finch. If she is then injected with testosterone, she will sing and court female birds. However, these are the only "male" characteristics she exhibits. These female zebra finches also lay eggs. Estrogen only produces this effect if injected early; it has no effect on adult females. The effect is also graded; longer hormone treatments produce bigger results.

Why estrogen, which is supposedly a "female" hormone? Dr. Konishi admonished that hormones have no sex. There is an upsurge of estrogen levels in the bloodstreams of male zebra finches right after hatching, the researchers found. Also, in rodents estrogen is derived from testosterone (the chemicals are very similar), and "masculinizes" the brain. Anti-estrogen, if injected, will cancel that effect. Female gerbils also change with testosterone injection, but again, ovulation is not affected. There seem to be two different systems in rodents, one that covers ovulation and one copulation. Interestingly, while male rats have a muscle system that controls erection, females are also born with the nerves that control the penis, although they have no penis to control. These nerves atrophy after birth, showing that adult female rats don't really have the supposedly "neutral" brains they were born with.

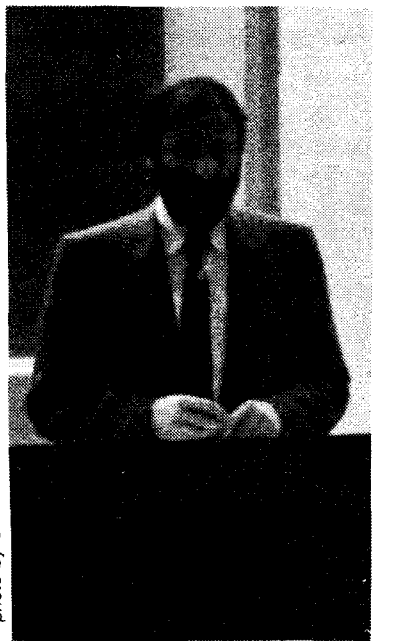
## "Tamils Get the Squeeze"

David Selbourne, a Senior Tutor in Politics at Oxford University and Correspondent for the *Guardian*, spoke yesterday evening in Baxter on the persecution of Tamils in Sri Lanka.

Selbourne concentrated on "the great human tragedy" of the violence, including burning a young girl in 1983, against the Tamils by the Sinhalese majority. This majority, which constitutes 75% of the population, includes the entire Sri Lankan government.

The differences between the two linguistic groups, the Tamils and the Sinhalese, is a very complicated problem that has developed from Sinhalese mysticism and nationalism.

The Sinhalese, who are primarily Buddhist, claim three visits by the Buddha in early history, which sets them above the Tamils. Nationalism has further polarized the groups, especially with the overwhelming Sinhalese majority.



David Selbourne

Selbourne reported for the *Guardian*, a British newspaper, for three weeks in 1982. His reports enraged the Sinhalese, who condemned him and complained to the British Press Council. Selbourne returned the following year, but was deported by the police as a banned foreigner in six days.

# Live From Budapest

by Julian West

Those who visit Hungary—and 10,000,000 people do every year—find Budapest to be a pleasant amalgam of the expected and the unexpected. One might expect a socialist country to provide cheap and convenient public transportation, but be a little surprised to discover that the oldest underground railway in continental Europe is now a fast, modern system which runs without a hitch. The little "ABC" grocery stores and fruit stands are in place, but they have to be contrasted with the huge "Skala" department store, whose glass-fronted architecture comes complete with (real or ersatz) Cyndi Lauper on the Muzak system.

Similarly, one expects to find first-class mathematics departments at the local science university—Eotvos Lorand. Budapest is, after all, home to Erdos Pal, the wandering knight of modern mathematics. Hungary had the world's first high-school mathematics contest nearly a century ago, and the performance of her students at the international level still shows up an outstanding programme of mathematical education at all levels.

All of which goes some way towards explaining the presence this year of a less expected element in the city—fourteen North American students participating in the inaugural "Budapest Semester in Mathematics." This altogether representative little group includes four Canadians and ten Americans, twelve males and two females (so, where have I heard *that* before?). After six weeks, a tiny smattering of the language, and some splendid tour guides, we now feel that we know the city moderately well. At the risk of being pedantic, then, a few geographical facts:

Fact 1—Budapest is a big capital in a small country. The two million residents of the city make up fully one-fifth of the Hungarian citizenry. The immediate consequence of this inescapable fact is that everything is concentrated here in town. The National Museum, next door to Eotvos University, is one of scores of museums in Budapest. Six of 16 Hungarian first-division football clubs are in the capital, as well as the 90,000-seat Nepszadion (People's Stadium). The preponderance of

*continued on page 2*

# Wu Wins Watson

by Hisaho Sonoda

Senior Lily Wu has been awarded a Thomas J. Watson Fellowship grant of \$10,000, which she will use to study and travel in China for a year. She is one of seventy recipients of the award chosen from 172 graduating seniors from forty-five small private colleges and universities throughout the United States.

The Thomas J. Watson Foundation states that its objectives are to "provide Fellows with an opportunity for a focused and disciplined post-graduate year of their own devising [abroad]—a break in which they explore with thoroughness a particular and demonstrated interest, test their aspirations and abilities, view their lives and American society in greater perspective, and, con-

comitantly, develop a more informed sense of international concern."

Lily Wu decided to go to China in search of her cultural roots. "I feel that it's my responsibility to go to China. I want to find out about my history and who I am." She was born in Taiwan but has never visited her homeland since coming to the United States at age three. Some of her goals are to learn to read and write the language and to learn about the traditional history of China. Although she speaks Mandarin fluently, Wu says she never learned these aspects of Chinese culture. She plans to stay at a college in Beijing where one of her uncles teaches, and help teach English to the students. "I want to see what China is really like for myself instead of going where tours take you. I want to find

out what it feels like to have to worry about having to make a living. I'm sure their lifestyle is completely different from ours," says Wu.

During her trip, Wu plans to keep a journal and hopes to eventually write a book. After leaving China, she will visit another uncle in Australia who will help her with her writings.

The fellowships are awarded annually by the Thomas J. Watson Foundation, a charitable trust established in 1961 by the late Mrs. Thomas J. Watson Sr. in memory of her husband, the founder of IBM Corporation. The Watson family also helped fund the Thomas J. Watson Laboratories on the Caltech campus. The fellowship program was begun in 1968 by Mr. Watson's four children.

# Be a Leader

by Mike Chwe

Funds from the Noland Leadership Fund are now available for student organizations wishing to sponsor seminars on leadership in industry. Organizations should submit proposals to the Dean's Office.

The Noland Leadership Fund is sponsored by Ametek, a large "Fortune 500" corporation, in honor of its president, Robert L. Noland, a Caltech alumnus. In the past, Noland Leadership Seminars on private sector leadership have been organized by the Dean's Office. The Dean's Office now hopes

that student organizations will find speakers and organize the seminars, to be supported by the Fund. The Fund could finance a speaker's travel costs and honorarium, pizza and refreshments for the seminar, publicity costs, and other associated costs.

Substantial funds are available for financing leadership seminars, and all proposals will be thoughtfully considered.

The Noland Leadership Fund also supports the Noland Leadership Scholarships.

LETTERS

Baseless Whims? Turkey?

To the Editor:

The California Tech has (for the past few months) presented the impression of a vehicle of pessimism and amateurish criticism of all that is 'Caltech'.

Ken Whang's series 'Letters from Columbia' make me terribly sick. He has no doubt that Caltech is a hellhole. He makes no attempts to hide the fact that Caltech is not a place to be—it ruins your life—does not prepare you for anything etc., etc. Well, let me say that at this level of excellence, the Institute is not made for people who lack self-confidence and the determination to be the best—by being the best. Anyway, not 'Glad I left' Ken, 'Glad you left.'

Charles Hu's letter in the Tech [Feb. 22] was something of a mess. It seemed that he wanted to substitute romance and adventure novels for indispensable science books so that he could browse through them at his leisure. He sees the life at Caltech as uninteresting and not exciting at all, without defining what 'exciting' and 'interesting' means. They vary from person to person, and depend mainly on the immediate priorities of the individual. For some (including me) learning things that I want to learn present more immediate entertainment than roaming in the streets of downtown LA. There is a time for everything, and now is the time to 'create' onself.

This is not supposed to mean that we should do away with fun and frivolity. I appreciate the Editor's remark that 'it is up to you to enjoy your stay at Caltech!' There are more methods of having fun that meet the eye. [sic] One of the reasons many people (including me, again) do not miss the streets in LA is that they take the time to be with themselves. Try it, talking to yourself, though difficult, can be pretty interesting without having to be gregarious about it. And having learnt something else along the way, you would have learnt to be with yourself, to evaluate your own capacities and potentials and to know how much they are all worth about.

Besides, Charles, you are perfectly free to go on your prees to the attractions of Southern California or to read Huckleberry Finn on Thursday night.

A small word about the bookstore. I know the people working there now, and they are some of the friendliest people I

have ever known. They have gone out of their way to help me in the past, and I am thankful. But let's not force them to do something commanded by baseless whims of a small group of people.

Summarising all that I have seen since coming over from overseas in June 1984 as a freshman: This place is the best place to be academically, culturally (if your intentions are to be a scientist) and aesthetically. But surprisingly, students at Tech feel that it is commendable (and cool!) to grumble about everything here. This habit is self-propagatory and in a few years we'll have some problems of unimaginable dimensions. Let me say this, the freshman acceptance level had dropped from 75% in 1981 to 45% in 1984. It is clear that instead of being proud to be a part of Caltech, we have preached otherwise, and new students definitely don't want a place not good enough for its own.

As far as I am concerned, I am making myself a complete man, learning (and not wasting my time) something that I hope to be an authority on later, realizing my capabilities and restrictions and being with people who think that Caltech is a great place. Besides, I am having 'real' fun.

I am concerned about the evergrowing negative attitude, and hope the editors have the insight enough to change the format to a more optimistic one using this Friday afternoon medium.

Thanks.

—Vineer Bhansali Page House, 1-53

The Editor replies: I find it hard to believe that Mr. Bhansali's opinion represents the majority of Caltech students. Caltech cannot be the perfect school for everyone, and those affected have the right to complain. The California Tech will not abridge this right, and as a result, Mr. Bhansali's sees the paper as "pessimistic." Whether or not it is, I believe that the overwhelming majority of Caltech students are optimistic: after all, as Ken Whang helped point out, if you don't like the place, you can always leave.

In response to your "small word": my "whims" are not "baseless," and I doubt Charles Hu's are, either. And every other one of the dozens of students who have commented to me on Mr. Hu's letter has agreed with him.

To the Editor:

We regret that the film entitled Midnight Express was shown by ASCIT on March 7, 1985 on the campus. This film portrays Turkish people and the country of Turkey in a grossly negative and denigrating fashion. We believe that it was not the intention of the ASCIT to offend the Turkish student body of Caltech. However, a film of this variety which portrays an ethnic, national group in such a distorted and sinister way ought not to have been shown on a campus with such a large international student population.

We have no doubts that pro-

paganda does not work on intellectuals, but in an environment where there is almost no information available about Turkey, people can't help to be influenced by such offensive films.

We cannot help but think that every opportunity should be taken to foster compassion and understanding between the people of our countries.

Therefore, we ask ASCIT to be more careful and selective about the films that will be shown in the future.

On behalf of Turkish students, —Yurdaer N. Doganata

Julian?!

from page 1

the musical and theatrical events is therefore "expected," but Angelenos in particular might be surprised to learn that the third home of Cats is not L.A. but Budapest. The excellent Hungarian translation makes up for in dancing what it lacks in set.

Some nastier consequences—such as having 50% of the country's industry centralized in the capital—are thankfully now past.

Fact 2—Budapest lies astride the Danube (we call it the Duna), and until a century ago it was three cities. Pest stretches out on the left bank; Buda and Obuda ("Old Buda") nestle among the hills on the right. Linking the two are two railway bridges and six striking road bridges, each of which recalls its own piece of history. For instance, our classroom in the Budapest Muszaki Egyetem (roughly, "Budapest Institute of Technology") overlooks the Petofi-Hid. Petofi Sandor was the

poet whose speech helped import the 1848 Populist revolution to Pest.

Hungary is the world's only Hungarian-speaking nation. That one might be a little difficult for English speakers to grasp (or even French or Germans), but it's worth considering. It explains, for example, the tensions with Czechoslovakia and Romania over treatment of Hungarian minorities which were redrawn into their countries after the wars.

Coupled with the fact that Hungarian is a strange language for Europeans to learn (notice, for instance, that all the names have been written "backwards" in this article). It explains why so many natives speak a second language. The older people speak German, which is—believe it or not—a holdover from the days of Habsburg rule. The younger ones speak, increasingly, English. (They also can speak Russian, but don't.)

Sex?

To the Editor:

This is to register a very strong complaint against Charles Barrett's recent column, "Ars Amore."

Sexual intercourse was established by God for the sole purpose of procreation. All other purposes are sin; the worse being homosexuality.

I realize that you, and certainly Charles Barrett, aren't swayed by God's commands. But even if God means nothing to you, what about your fellow man? You know the physical consequences of homosexuality—the high risk of a sure and early death. So how can you, in the name of human decency, promote, encourage or even suggest that young people experiment with such a lethal practise? It turns my stomach. [sic]

—Ms. Janet Naffziger Lakeside, CA

Fact 4—Budapest is a European capital. That is to say, it's a real one, in the sense that Berlin is but Bonn is not; that Edinburgh is (and, as is often incorrectly said, that London is not). It is to say that the city is a true focus for the nation. It is to say that there are monuments everywhere, and at every step one can feel the weight of history. It is an old city—the millenium monument in Hosok Tere (Heroes' Square) was com-

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The Caltech Y Fly-by

Friday... April 5

Not just Good Friday...

Not just a full moon... It's... a noon concert with The Living Daylights!

Monday... April 8

"Science & Faith- Why have there been conflicts?"

Discussion in the Y lounge at 7:30 PM. Refreshments at 7:15.

Tuesday... April 9

The first Cats performance. If you were lucky enough to get tickets, don't forget to go!

Wednesday... April 10

Robert Sheer, author and writer for the L.A. Times, will lecture on "Reagan's Obsessions with Communism." Baxter Lecture Hall. Continued Wednesday, April 17.

Friday... April 12

Another Noon Concert- this time with Smokewood. And in the evening, a Philharmonic trip to Herr Schumann and Bruckner. Sign up early.

Saturday... April 13

Come Square Dance with the CCF. In Dabney Hall, 8:00-10:30 PM. Free refreshments.

Finally, sign up to go to Chicago. \$12 tickets for Wednesday, April 17. But sign up early, they're going fast. Mofu knows.

Any questions, comments, or ideas? Stop by the Y office or phone x6163.

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



The girl is 12. The guy is a taxi driver. What happens to both of them will shock you.

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Next Week - Splash

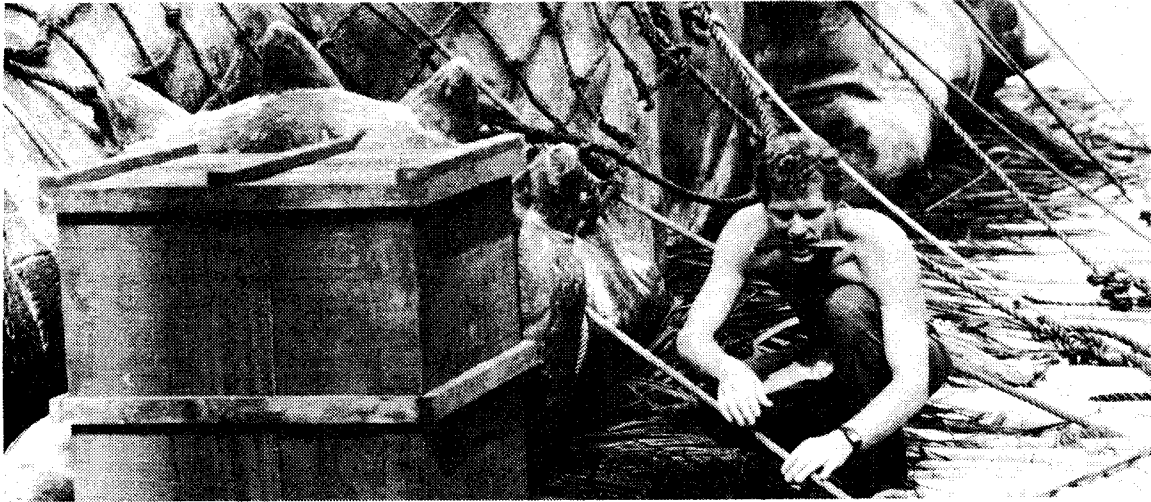
in Baxter Lecture Hall

\$1 ASCIT members

\$1.50 all others

ENTERTAINMENT

# Some Secrets are Better Left Unspoken



Servo prepares a Mesozoic special dinner.

by John Fourkas

*Baby: Secret of the Lost Legend*  
Touchstone Films

Do you enjoy reading *National Geographic* because it sometimes has photographs of bare-breasted pygmies? Do you like *E.T.* and *Raiders of the Lost Ark* so much that you would like to see them combined into one movie (complete with dialogue from *Dumbo*)? Do you believe in having gratuitous sex on the jungle floor while covered with wasp bites? Do you know what a brontosaurus looks like (and would you be upset if its nostrils were *not* in its forehead because it had "lots of sniffing to do")?

If you answered "yes" to any of the above questions, perhaps you should go see *Baby...Secret of the Lost Legend*. Otherwise, forget it. *Baby* is Disney Studios' latest venture into "filmmaking" for the "older set." Actually, the

film is put out by Disney's new subsidiary, Touchstone Films. Touchstone seems to be an excuse for Disney to make movies with gratuitous sex, submachine guns galore, foul language, and non-G ratings. Somebody must be hoping that with the new name, Walt might not roll over in his grave. Think again....

The basic premise of *Baby* is that there are still dinosaurs living in Africa. This "... isn't as far-fetched as it may initially sound," claims the press release. "... there is much speculation among a branch of scientists known as cryptozoologists that these creatures may still be living in the African Congo." Yes, Virginia, these are the same people who brought us Bigfoot, the Abominable Snowman, and the Loch Ness Monster. Furthermore, "Even the National Geographic [sic] and the Smithsonian Institute have sup-

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The Inside World

**Lloyd:** Given:  $N=1843$  fr. Goal: Most efficient set of  $K$  such that all  $K=2$ , and friction is set to a minimum. All frosh leave a forwarding address at the front desk. Speaking of which, I predict an important phone call for upperclassmen in eight days. . . . Will cake-making become the next Olympic event? Will Holland get the gold? Beach trip tomorrow, and Easter brunch at Corona!

-J. P.

**Ruddock:** We beat the Flems in an exciting volleyball match at the end of last term. The boys were down 14-9 in the third game, but they refused to die. Congratulations guys! Oh, . . . and in your face Matt. On to basketball, and the Jim Helgren show.

Also last term, our C-League basketball teams, Which Way to the Beach? and 99-lb. Weaklings, squared off in the last game of the season. Both teams won the moral victory as the final score read 69-69. This term we sport a half ton on the court at the same time with Where's the Beef?

Here's to third term, and of course, the beach!  
and so castle of sand  
slip into the sea  
eventually

-Pete and VanEric

Buckaroo Reviews

A Weekly Column by Matt Rowe

**The Shit Hits the Fans**  
(cassette only)  
**The Replacements**  
Twin/Tone Records

From the liner notes: "Anywho . . . what you've got here is most of a live show. Our roadie pulled it out of some enterprising young gent's tape recorder toward the end of the night." The sound is surprisingly good—but even more surprising is the band. The members of the Replacements grew up in the seventies, and they're not at all ashamed to admit what music they listened to. Of the twenty-odd songs on the tape, they wrote only two. All the others are covers—from Black Sabbath ("Iron Man," of course) to the Beatles (a foreshortened "Let it Be"), tromping over the Stones, R.E.M., and scads of not-as-well-known bands in between. The 'Mats represent themselves with "I Will Dare," the sprightly single from their most recent vinyl release, 1984's *Let It Be*; and

"Lovelines," the lyrics of which consist of the personal ads in the local newspaper of whatever town they happen to be playing.

*The Shit Hits the Fans* was recorded last November in some hole-in-the-wall in Texas, and it was the last show of their tour. Predictably, the band is very drunk. All that's missing on the tape is the drunken rednecks in the audience.

For five bucks a shot, this little bit of commercialism is a steal—but who's getting robbed?

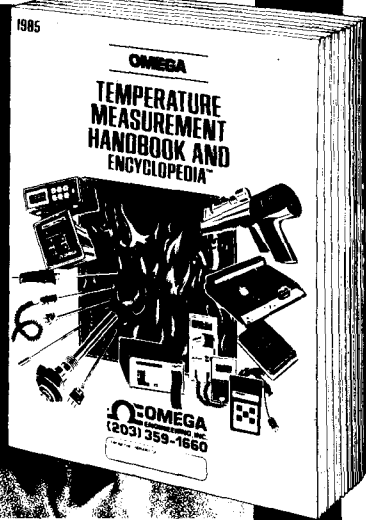
**Last-minute bulletin:** It appears the Replacements will be in town *next Thursday*, the 11th, to play a show at the Palace in Hollywood. This is the first show of a new tour, so chances are they'll be playing more of their own songs—including some (perhaps) from their upcoming fourth album. True, it may cost twice as much as *The Shit Hits the Fans*, but you'll be able to say, "I was there." Whatever that's worth.

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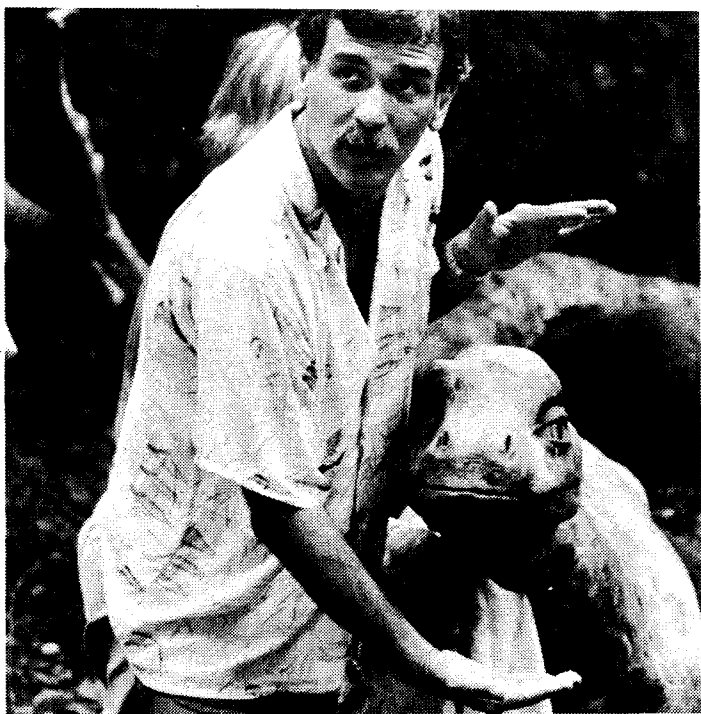
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## ENTERTAINMENT

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**All's Well That Ends Well:** Shakespeare. A "searchingly human play (comedy). Theatre 40, Beverly Hills. Saturday, April 6, Sun. April 7, Thu. April 11, Friday, April 12 (and every Thurs-Sun. until May 5). All shows 8:00 pm. Thurs. & Sun. \$9.00 Fri. & Sat. \$11.00.

**The Brother From Another Planet:** Fantastic movie by John Sayles (see review in the Tech from first term). Rialto Theatre, South Pasadena. Sun. April 7-Sat. April 13. 7:15 & 9:20 pm (Sat. & Sun. matinees: 1:00, 3:05, 5:10).



"Are you sure this will fit on a serving tray?"

## Ooh Baby!

from page 3  
ported expeditions in this region." Not to look for dinosaurs, mind you.

At any rate, on with the... er... "plot." You see, this evil paleontologist, Dr. Eric Kiviat (Patrick McGoohan), wants to capture a dinosaur in order to make his reputation. On the other hand, the hero, Susan Matthews-Loomis (Sean Young), wants to capture a dinosaur in order to make her reputation. Of course, Kiviat has a sniveling sidekick, Nigel Jenkins (Julian Fellowes). Of course, Matthews-Loomis has a sniveling sidekick—er, husband—George Loomis (William Katt). OK, there is a difference between the good guys and the bad guys in the movie. Patrick McGoohan sports a

platoon of imbecilic African soldiers, and he kills someone for no apparent reason (other than to establish his evil character) in the first scene of the movie.

Now, it so happens that the good guys find the dinosaurs first. Here we have an object lesson in scientific ethics. The good guys and the bad guys worked together before all of the dinosaur stuff came up. In fact, Susan was a post-doc for Kiviat. However, each of them found out about the dinosaurs and ran off without attempting to inform the other. After all, only one reputation can be made at a time. Anyway, Susan and George find the dinosaurs first. The next day, Kiviat arrives with the goon platoon. They tranquilize the first dinosaur they see, but the enlisted men get a bit trigger-happy when the dinosaur's mate stomps in to join the party. They fill daddy dinosaur full of lead, and the noise attracts George and Susan. They escape with a dinosaur hatchling and try to figure out how to get back to civilization first so Susan can make her reputation.

Before you even have the time to say "tyrannosaurus rex," George has managed to run into a wasp next while picking fruit for Baby. Susan rubs mud on all of his wasp stings, which pains him horribly. However, it also turns him on, and pretty soon he and Susan are partying naked in the mud. Baby, no doubt mortified with the situation, takes off into the jungle while George and Susan go at it. George and Susan manage to get captured by Kivian, who decides that he must have Baby also. Meanwhile, Kivian knocks off a colonel who has been doping up his dinosaur too much. Kivian convinces the troops that George and Susan have done this dastardly deed (never mind the fact that they were under guard at the time). Furthermore, George and Susan are from the CIA, and since the CIA always has gold, we have to stop and look for it (but not Baby, of course). The African troops are made to look so stupid that I am going to be surprised if there is no picketing of the movie.

To make a long story short, George and Susan get away, but Baby gets caught. In order to save Baby, George and Susan burn down a nice African village. Mommy dinosaur gets mad, and runs Kivian's car off the road, Kivian croaks, but it looks like Baby has too. To the utter shock of the entire audience, Baby gets up two minutes later and walks about as if nothing had happened. Our heroes decide that they have no business taking Baby in the first place, and the credits roll.

Disney Studios should go back to making what they make best—G-rated movies sans gratuitous sex and submarine guns. Furthermore, someone should tell them that it is not too nice to make Africans look like idiots. Those who complained about *The Gods Must Be Crazy* will love *Baby*. The only other reason to see *Baby* is for the visual effects. The photography is marvelous (such a waste!) and the dinosaurs are fairly "realistic." The sound is pretty good, too. I would not waste a good \$5 on *Baby*, though. Maybe a \$1 matinee...

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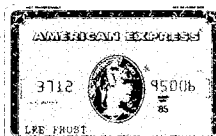
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# Ars Amore

by Charles Barrett

## Preen Yourself But Good!

With the passing of the equinox, the rites of spring make their annual appearance. The eighty-plus degree weather around here sends droves down to the beach, or just out on the lawn, to catch a few rays and start the tanning season. In Paris, Milan, and New York, the *couturiers* send their models down runways, enlightening us on what is to be *chic* and what will be *outré* in the coming fashion year.

This is nothing new; fashions are set, and to a certain degree followed, every season. What does seem to be new, at least recently, is the demographics of those involved. In the past, *haute couture* was only for the rich and gutsy; those who could afford to keep up with fashion and didn't care *what* it dictated. Now, the burgeoning ranks of fashion-conscious Americans have made the latest styles in clothing and grooming a fixture at every street corner. To be in style is definitely in style, as a trip to any mall or a perusal of any national magazine's ads will tell you.

Women have been subject to designers' whims on skirt length, heel height, color schemes, and accessory styles (hats, gloves, handbags, etc.) for decades. It used to be that all a man had to worry about was how fancy a car he drove. Then came lapel and tie widths, which change, albeit at a slower rate than do hem lines. Now, however, men's fashion is a multi-million dollar industry. High fashion is connected to everything from sunglasses to belts, with clothing, shoes and cosmetics in-between.

The shave and haircut at the corner barber's is rapidly becoming a thing of the past. Lotions, hairspray and tint, cologne, and even facial masks are no longer considered unacceptably effeminate, and are becoming increasingly popular with men.

What has all this to do with a column on sexuality and relationships? First impressions can be important when two people initially meet, and appearance is frequently the first thing a person notices. More than just genetic good-looks is at play here; attractiveness is a combination of grooming and flair in choice of clothing and hair style, and of presenting an appearance that you are comfortable with.

The trimmed, tanned, and healthy look is fashionable, and in addition to the obvious benefits of physical fitness for its own sake, many gym-goers enjoy the effect it has on their appearance.

Right or wrong, good or bad, grooming and personal appearance make a statement about an individual. The power they have on interpersonal relationships and their establishment is intimidating, and is the cause of more than just a little insecurity in us all. Certainly it is easy to misplace the emphasis on appearance, and use it to create a facade to hide behind. Those who are chronically overconcerned with the image they project and are accused of vanity are frequently just overcompensating for insecurity about their attractiveness.

Caltech is an informal community; we are here to further our knowledge (nominally, at least), and other facets of life must yield to accommodate. One works better when one is comfortable, and since we are a small, reasonably well-acquainted campus, people can dress as casually as they wish.

So informal is the atmosphere at Caltech that a reverse-snobbery of sorts sometimes surfaces. Those who would otherwise take greater pains with their appearance often don't for fear of being overdressed.

As with most personal aspects of life, grooming and appearance should be pursued to please

yourself. To do it to satisfy others, or to be something you are not, cannot provide the security and self-assurance that is, after all, the whole idea. One's appearance should reflect what is felt about oneself within.

We all grow and learn and change (heaven help us if we don't!), and the occasional changes in hairstyle and clothing are our way of expressing who we are and what we feel, providing just one more avenue of communication.

I have been pleased to hear from some readers, in person, by mail, and on the phone, with their

comments and suggestions for future topics. Books and authors have been thoughtfully recommended by some, and I have received wonderful cooperation from those I talk to in the preparation of these pieces. On the critical side, see this week's Letters to the Editor section for argument against non-procreative sexuality.

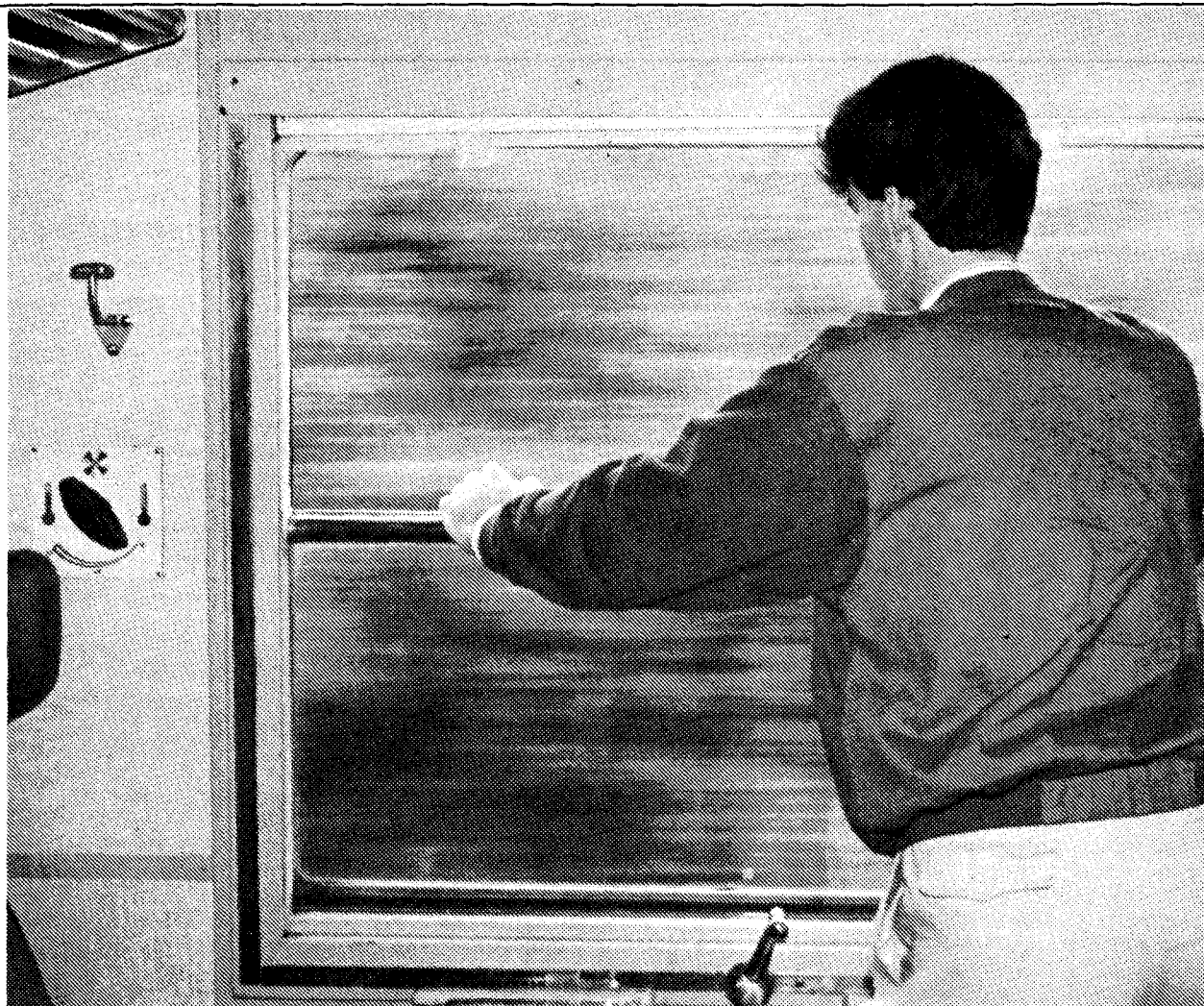
For your comments, contact Charles Barrett (1-59 or 577-8593), or in care of *The California Tech*, 107-51. *Next Week: The question of morality.*

## Hungary?!

from page 2

pleted in 1896 and is now showing its age. It commemorates the arrival in Danubia of King Arpad and his nomadic Mongol tribe. This was the proper origin of the present Hungarian nation. If they want a millennial monument for the first king, Szent Istvan (St. Stephen), they should start planning soon for 2001. The British, of course, have to wait until 2066, the Americans until at least 2492.

Perhaps it is this incredible antiquity (there are a few Roman ruins here, too) and abundance of statues which make the Hungarians so aware of their history. But I rather think it is the other way around. The Hungarian national identity was forged more recently, and it was gained with a good deal of hardship. There are national holidays to commemorate three revolutions in the past 150 years. History is another subject, however, and will just have to wait for another column.

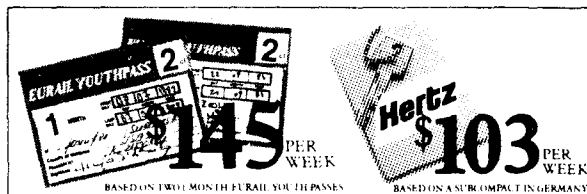


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# Alternatives to Being

by Doug Cutrell

A student often asks himself, "What is the proper use of my abilities?" Often he hasn't even found his ability. But what is the nature of this search for ability?

Story:

When Charon was very young, he happened upon a fruit at the top of a cliff, impossible to climb. So he went to Rock Who Knows His Abilities, and inquired of him, "How may I obtain the fruit of yonder tree?"

Rock Who Knows His Abilities said "Wait, while I gather moss." But after Rock had gathered moss, Charon was still without fruit. So he asked Stick Who Knows His Limitations, and Stick said "I don't know. Ask the Trainer." Charon

asked the Trainer, and was given a book about chicken raising, with instructions to make a pair of wings with the feathers.

Just then, Bobo the Seal (who has never discovered his abilities) lurched by, chasing his shadow. Charon stopped him, asking "Can you help me to the fruit upon yonder tree?" Bobo replied, "Sit on my back!" and climbed to the top of the cliff with Charon riding him.

Moral:

Potential is most quickly lost through its realization. The Rock was free, and the Stick enslaved, but Bobo (being neither) had the greater liberty. Although seals are wet and smell like fish, they are quite comfortable to sit on.

# SPORTS

## Weekly Sports Calendar

Day	Date	Time	Sport	Opponent	Location
Sat.	4-6	12:00 noon	Baseball	Occidental	Occidental (2)
Sat.	4-6	1:30pm	Men's Tennis	Occidental	Occidental
Tue.	4-9	3:00 pm	Baseball	L. A. Baptist	Caltech
Tue.	4-9	3:00 pm	Men's Tennis	Claremont-Mudd	Caltech
Wed.	4-10	3:00 pm	Women's Tennis	Cal Lutheran College	Caltech
Wed.	4-10	3:00 pm	Baseball	West Coast Christian	Caltech
Sat.	4-13	11:00 am	Women's Tennis	Whittier	Whittier
Sat.	4-13	11:00 am	Track	Occidental & La Verne	Caltech
Sat.	4-13	12:00 noon	Baseball	La Verne	Caltech (2)
Sat.	4-13	1:30 pm	Men's Tennis	Pomona-Pitzer	Pomona-Pitzer
Sun.	4-14	1:00 pm	Women's Soccer	Spinoffs	Caltech

# Caltech Hockey Team Champions of SCCHA Division II

by Hy Slotte

On April Fool's Day, the Caltech hockey team knocked off Los Angeles Pierce College to become the champions of the SCCHA Division 2. The playoffs started with a round-robin tournament.

On Friday, Caltech jumped out to a 3-0 lead over Pierce and held on to win 3-2. The first line, consisting of Rene Fradet, J.P. Bardot, and Rick Lye, provided all the offense, each of them getting at least an assist. Harri Kytomma got one of the goals while backing up the first line on defense.

The second game, against Harbor College, was a blowout as the Beavers won 7-3. The goals went: Rene 3, Dave Fort 2, Jim Bower 1, and Rick Lye 1. Sandy Krasner, George Yates, Jim Stoops, Phil Askenazy, Dave, J.P. and Rene had assists.

Only a few hours later, Caltech played UC Irvine. Once again the Beavers jumped jout to a large lead and hung on to win, this time 4-2. The goals went: Rene 2, Phil 1, and George 1. Rick, Dave, and John Tonry had assists.

On Monday night, Caltech played the second place round robin team, Pierce, to decide the division championship. With the return of the undergrads from spring break, the Beavers had 3+ lines, which led to mass confusion. Pierce took advantage of this confusion and an unwarmed-up goalie to grab a 2-0 lead in the middle of the first period. J.P. was hurt early on and Simon Goldstein took his place on the first line. The Beavers regrouped and began to control the puck. One reason for this was Caltech's domination in the corners due to the Beavers'

strength and big hitters like Harri and Chris Stork. In the second period Caltech began to pound the Pierce goalie. Rene Fradet had two goals, one assisted by Jim and Rick, the other by Dave and Marty Zimmerman. In the third period Caltech's bad scoring luck continued. For the fourth time this year a goal was called back, this time because the refs didn't see it go in. Seconds later, the refs did see it go in as Rene got his third goal in the game and 9th in the playoffs. Assisting were Rick and a battered J.P. After this, Pierce came on strong. The hard skating by the forwards and defensemen combined with a brilliant effort by Peter Dowd in the goal to hold off Pierce. When the buzzer sounded, Caltech had won 3-2 to clinch the division title for the first time in 9 years.

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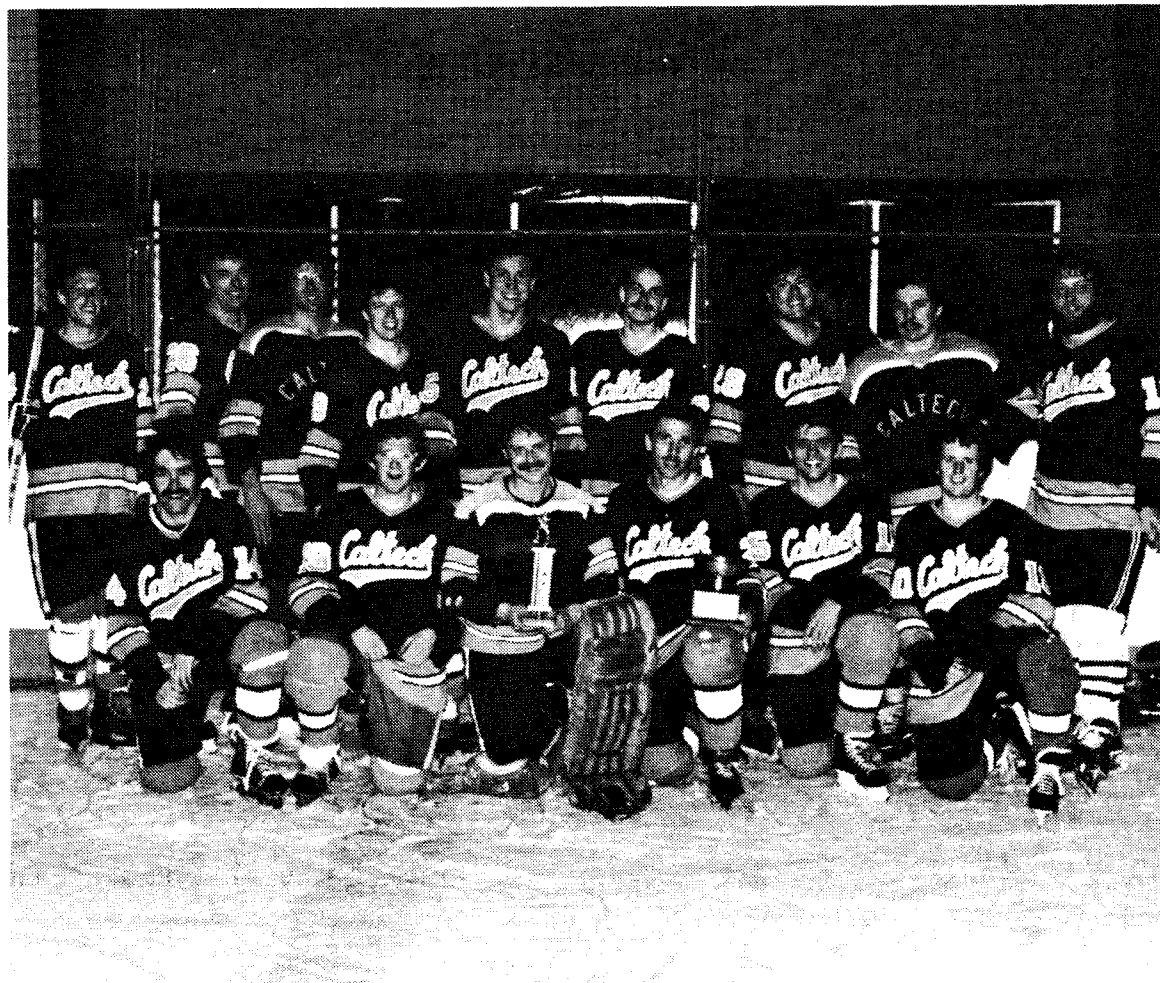
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—photo by Nick Jones

# 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.*

**The Coffeehouse** is open.

**XHMEIA Tennis**

It's the second annual XHMEIA (Chemia) Doubles Tennis Tournament. The tournament is sponsored by local businesses and the XHMEIA Paper Recycle Fund. Dinners for two and other prizes will be awarded to all finalists. First prize in each division consists of a dinner for two at *La Couronne*, an excellent French restaurant, as well as a beautiful trophy. The tournament is five weeks of round-robin play, followed by two weekends of elimination finals. All matches are self-scheduled. CIT/JPL personnel, students, and immediate family are all welcome to join the intermediate, advanced, or mixed divisions. Matches will be played from April 15th to May 19th with finals on May 25th, 26th, June 1st and 2nd. To enter or receive more information, contact Dan Zirin, Mail Code 127-72 (Caltech, Pasadena 91125 if sent from off-campus); phone 356-6011. Entrance donation is \$8.00 per doubles team.

**Trumpet Recital**

There will be a recital by Roy Poper, trumpet soloist and member of the Los Angeles Chamber Orchestra, in Dabney Lounge on Monday, April 8, at 8 pm. Admission is free to members of the Caltech community.

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**Guitar Classes**

Guitar classes with classical guitarist Darryl Denning begin again on Tuesday, April 9 in the Fleming Music Room. The classes are free to Caltech students (and other members of the Caltech community, space permitting). Classical and Flamenco repertoires will be explored but the techniques gained can be used in other forms of guitar as well. Undergraduates can receive 2 units of academic credit if they choose. The schedule is as follows:  
Beginning guitar—4:30-5:30 pm  
Intermediate guitar—3:30-4:30 pm  
Advanced guitar—5:30-6:30 pm  
Private instruction can also be arranged. For further information call Mr. Denning at (213) 465-0881. Mr. Denning has had an international performance career and has recorded extensively. His latest recording "Two Worlds of the Classical Guitar" is available at the Caltech Bookstore.

**Science and Faith**

The Catholic Campus Ministers will initiate a series of Monday-evening discussions on religious and ethical issues in the Y Lounge (2nd floor, Winnett) on Monday, April 8, at 7:30 pm. The topic is "Science and Faith: Why have there been conflicts?" and will include an examination of the famous "Galileo Case." Refreshments will be served at 7:15.  
Thursdays at noon a brief exegetical and theological explanation of scripture will be followed by a group discussion, beginning Thursday, April 11, also in the Y Lounge.

One of the chaplains will continue to be available in the Y, Tuesdays and Thursdays from 10:30 to 12:30.

**Square Dance**

CCF Square Dance on Saturday, April 13, in Dabney Lounge from 8:00-10:30 pm. Come early to learn the steps. Meet lots of people from other colleges. Whether you are a beginner or expert, come join the fun! Refreshments served. Co-sponsored by the Caltech Y and CCF.

**Career Counseling**

Career Counseling Program—come and find out what some alumni are doing with their careers in medicine on April 11th from 7:30 to 9:00 pm at the Alumni House, 345 South Hill. Refreshments will be served. Sponsored by the Alumni Association and the Gnome Club.

**Emilia Galotti**

Tryouts for "Emilia Galotti" by G. E. Lessing will be Saturday, April 6, 3-6 pm and Sunday, April 7, 10 am to 1 pm in Winnett Lounge. Performances will be May 31, June 1, 2, 7, 8 and 9.

**Indian Films**

- A series of films on India will be shown in connection with H131 (History Through Film: India) this Spring Quarter. The Caltech community is welcome to attend the films, which will be screened at 7:30 pm in Baxter Lecture Hall. The schedule is as follows:
- April 8—*Pather Panchali* (Satyajit Ray)
- April 15—*Music Room* (Satyajit Ray)
- April 22—*Charulata* (Satyajit Ray)
- May 6—*Munna* (K. A. Abbas)
- May 12—*Devi* (Satyajit Ray)
- May 20—*Company Limited* (Satyajit Ray)
- May 28—*Days and Nights in the Forest* (Satyajit Ray)
- June 3—*Bombay Talkies* (Ivory and Merchant)

**Shabbat & Passover**

The first Friday night service of this term will be next Friday night from 5:30 to 6:00 pm in the Y Lounge (2nd floor of Winnett). That Friday will also be the last Friday of Passover, so everybody is also invited to a Passover/Shabbat dinner after the service (about 6:30 pm) at the Caltech Bayit (335 S. Greenwood). Everybody is welcome to attend the dinner and/or service. However, please call the Bayit (793-3859) if you want to come to dinner or need more information.

**Free Film Series**

The Francis Schaeffer film series, "How Should We Then Live: The Rise and Decline of Western Thought and Culture," began during last term and will continue through May 2. Each Thursday at 12:15, a half-hour episode is being shown in Baxter Lecture Hall.  
The first five episodes covered early Western history. Beginning with Rome, Schaeffer traces the influence of early Christianity and humanism through the middle ages, renaissance and reformation. The fifth episode contrasted the revolutions of France and Russia with those of England (the bloodless revolution) and America in terms of their philosophical foundations and their results.  
Though recognizing the vast complexity of the subject, Schaeffer unravels and discusses the development of western art, architecture, science, music and law and the world views upon which these were based.  
The last five episodes trace the development of modern science, philosophy, theology and art up to and including the last two decades. Next Thursday's episode (April 11) will be "The Age of Non-Reason." For those who missed previous episodes, detailed outlines of each film will be available. For more information, contact Paul Dunlap ext. 4670.

**Junior Travel Prize**

This is to remind you that the Office of the Dean will again be awarding Junior Travel Prizes. These cash awards are available to encourage juniors to rest their weary minds and bodies before their senior year. If you are interested, please write up a short description of your proposed travel and a tentative budget. Proposals are due in the Dean's Office, 102 Parsons-Gates, by April 19th.

**C★L★A★G★S**

We will be holding our first meeting of the term this Sunday at 2:00 pm in 210 Baxter! Come find out what we're planning for third term.

**Modern History**

H153, The United States Since 1945, will meet at 7:30 pm on Tuesdays in Baxter, room 137.

**Student Shop Meets**

The Caltech Student Shop will have its third term meeting this Saturday at 12 noon. Old and new members should attend to exchange keys. General maintenance and cleanup will also be done. For more information contact Craig Zupke at 578-9768.

**ASCIT Budget**

The ASCIT Budget Meeting will be held in the Millikan Board Room, Tuesday, April 9, 1985 at 8:30 pm. Anyone interested is welcome to attend.

**OKOK**

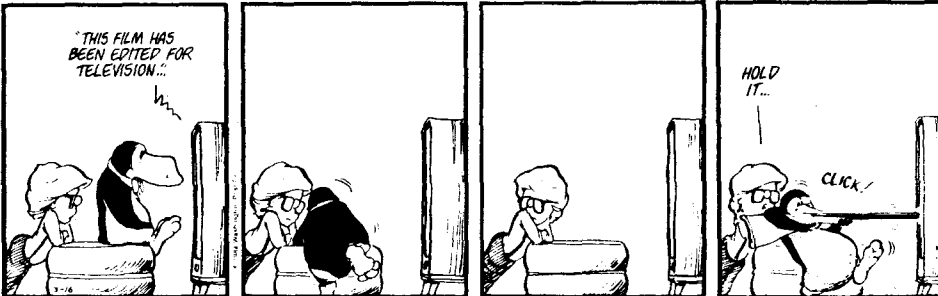
The Osborne Komputer Owners Klub (OKOK) will be having their monthly meeting on Tuesday, April 9 at 8 pm in Winnett Lounge. This month's program is Steven Smith from the National Business Computer Network. This meeting is open to all CP/M users, which includes owners of Osborne, KayPro and many other microcomputers. A 1-hour "hands-on" meeting begins at 6:30 upstairs in Clubroom 1. This month's hands-on topic will be the use of public domain software. Bring your computer and participate actively, or just listen. OKOK also sponsors special interest groups, low-fee classes for beginning and intermediate level users, maintains a quality public-domain disk library for members and publishes a newsletter. For further information, write OKOK, PO Box 40429, Pasadena, CA, 91104 or call Lionel Soracco, (818) 794-3243.

**Read All About It**

There will be a meeting of the staff of *The California Tech* today at 12:15pm in room 127 Baxter. (This is also known as the class PA 15.) Feel free to stop by if you're interested in working on the *Tech*.

**BLOOM COUNTY**

by Berke Breathed



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