

SOMETHING OLD
SOMETHING NEW

THE CALIFORNIA TECH

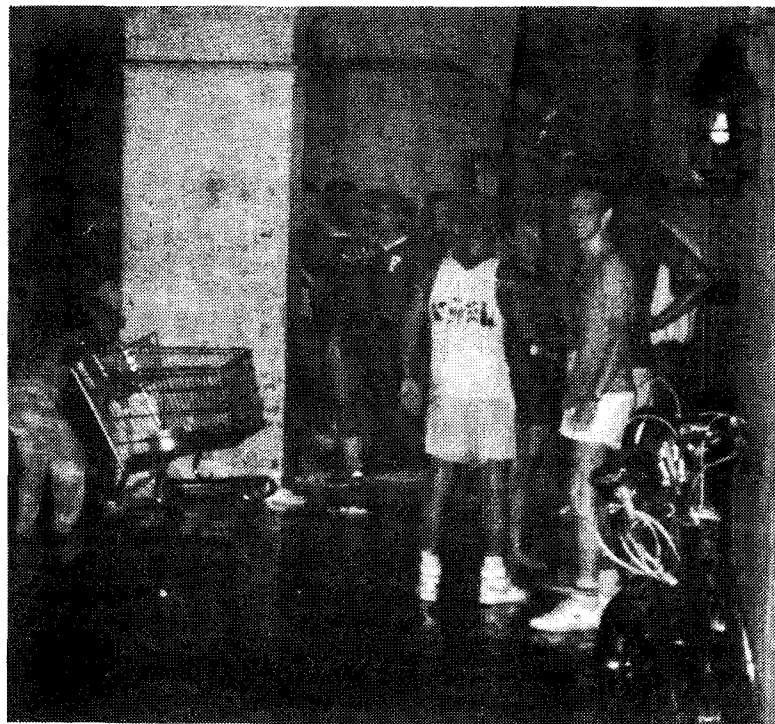
SOMETHING BORROWED
SOMETHING BLUE

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PASADENA, CALIFORNIA

FRIDAY 10 OCTOBER 1986



Those New Rotation Rules Prezzes ask: Were they just a "gag"?

by Josh Kurutz

New rotation rules were field tested this year under the critical eyes of the Inter-House Committee and all those who were required to abide by the rules. The implementation of the new regulations, especially the "gag" rule, had generated hot debate over their usefulness, effectiveness, and fairness.

Many on the IHC felt the change was good on general principle. IHC chairman Steve Gomez thought it was a move in the right direction. "Basically, they worked. Houses had to talk about themselves positively instead of ragging on everyone else. Lots of people were pissed, but that's tough."

Fleming House president Ed Zanelli said, "This situation is a lot better, but not the best," adding, "It was good that rumors weren't flying around."

Zanelli also expressed the opinion shared by many other house presidents that Rotation may not be the best way to match houses and frosh, but no better alternative has been presented. MOSH Chris Brennen said, "I'm concerned with the process as a whole, especially how closely the frosh's choices are respected."

Most had clearly defined opinions about the gag rule, which prevented members of a house from expressing opinions of a house of which they are not a member. Dabney House president Tim Allen felt, "The gag rule is an insult to the intelligence of the frosh. The typical rumors don't hold up under even mild inspection. Anyone who's willing to believe the rumors deserves to end up where they do. Gossiping doesn't hurt the intelligent ones or the stupid ones."

Still, Allen recognized that Dabney had a record-breaking number of frosh pick the house. "We won didn't we? So how much can we complain?" 80 people picked Dabney, which had 18 spots open.

Page House president Vince Ferrante said, "There should be no gag rule; it should be just like society. (The frosh) should get to know what this place is like soon instead of after first term. Nobody benefits from the rules...the rules are lame."

Sam Weaver, Ricketts House president, has consistently supported the anti-rumor regulation. "It was important it was there. I think it's better (the frosh) didn't hear the stereotypes."

Blacker House president Nancy Drehwing said, "The rules worked out better than I thought they would, but I still don't approve of them. The only reason they worked was because there was a threat of punishment. I think the renovation did more for the house than the gag rule did."

Biff Yamazaki, Ruddock House president, felt none too pleased with the new restrictions. "People felt gagged," said Biff. "It wasn't so much a problem as an inconvenience. It may be a safer route, but I'm not sure if it's better than free speech."

Lloyd house president Chris Nolle thought the addition of the rules was entirely unnecessary. "The basis of the rules is to trust and follow the Honor System. Applied to rotation, the Code means,

"Don't bias frosh."

Brennen affirmed, "I have never felt gag rules were either workable or enforceable. I would prefer to err on the side of freedom of speech."

Nevertheless, many of the house presidents felt they worked well and were upheld by most of the upperclassmen. Nolle observed, "What I saw went reasonably smoothly. The upperclassmen did a good job of following the rules." Gomez felt that, "It was more in the interest of the president to enforce the rules (than it has been in past years.)"

Allen had little difficulty in enforcing the rules in Dabney. "I've never heard this house say anything bad about another house during rotation."

It was noticed by many that Zanelli did a particularly good job of enforcing the new regulations. Referring to the problem of potential violations or near violations, Gomez said, "Zanelli just stomped on it." Allen also made statements to the same effect.

There were a few violations despite the general compliance. According to Gomez, Page House lost a pick for infringements committed in the *Tech*. One mentioned an upcoming social event, and the others were deemed to unfairly bias the frosh class. Gomez said that stories about other houses persisted this year, but that they were far more tame than in years past.

Some have speculated that the frosh will have a more cooperative attitude toward houses other than their own since their first impressions were relatively tension-free. Weaver declared that this will definitely be an effect, albeit small and mostly restricted to frosh.

Nolle agreed with the effect, but noted, "Rules or no rules, frosh get impressions." Yamazaki said, "I hope this will be the case. The new rules certainly couldn't hurt relations."

The other portion of the "new rotation" to come under fire was the inclusion of lunch into the rotation schedule. Weaver thought the lunch rotation was a good idea. "A big percentage of the frosh pick houses they attended in the first three days or the ones they lived in." This is designed to give all the houses a more fair deal in the minds of the frosh.

"Lunch was silly," said Allen. "I know of only two frosh who were met at lunch. (The new organization) didn't hurt, but it was confusing. Then again, anyone who can't figure out which of seven houses he's supposed to be at has no business being at this school."



Immediately after rotation rules ceased to apply, the Flems with great enthusiasm brought their message of cheer and goodwill to the other houses. After a friendly tussle with the Moles (see page 2), their spirits were hardly dampened by the twin firehoses of Blacker (above) and Ricketts (below). A good time was had by all, particularly the Pasadena Water Company.

New Quasars Discovered Blobs Travel Faster Than Light?

[CNB]—An international team of astronomers has reported discovering seven new quasars that appear to eject blobs of matter traveling at many times the speed of light. The scientists used combined arrays of radio telescopes in the U.S. and Europe to make images of the radio emission from the quasars, which lie up to five billion light-years from the earth. They are reporting their discoveries in a series of articles being published in the *Astrophysical Journal*, *Nature* and *Astronomy and Astrophysics*.

The matter ejected from the quasars is, of course, not traveling faster than light, but the blobs are traveling at over 80 percent of the speed of light, or, in the most extreme cases, over 99 percent of the speed of light. Such "superluminal" objects have been known since their discovery in 1969, but until the discoveries of the latest seven, they were thought to be rare. The latest findings bring to 14 the total number of superluminal objects now known.

According to the theory of relativity, the velocity of light is finite, and matter cannot travel faster than light. Indeed, though it may appear paradoxical, the objects' appearance of faster-than-

light travel is a direct consequence of the finite velocity of light.

Their so-called superluminal motion is an optical illusion, which is believed to be caused by the fact that they are traveling at close to the speed of light towards the earth. Their near-light speeds compress the interval between successive observations, just as the motion of an approaching car horn compresses the interval between successive sound waves, thus altering the pitch of the horn. The change in the time interval causes the material to appear to be traveling faster than light, since the apparent velocity is the distance traveled divided by the apparent time interval.

According to the scientists, the seven new superluminal objects are more than just cosmic curiosities. They could offer new insights into the central engines which generate the enormous power of active galactic nuclei and quasars—intensely bright celestial bodies at the edge of the observable universe.

"A major puzzle is how the central engines in active nuclei produce powerful jets of material extending millions of light-years into intergalactic space," said Pro-

fessor Anthony Readhead, Director of the Owens Valley Radio Observatory and the Caltech leader of the team that made the discoveries. "The most likely mechanism for producing the power in these objects is believed to be a spinning supermassive black hole, which may contain as much material as a billion suns, at the center of an 'accretion disk,'" explained Dr. Readhead.

"The accretion disk lies in the equatorial plane of the spinning black hole," he said. "Material, which can include stars, falls towards the black hole under the influence of its enormous gravitational field. As the material approaches the black hole, it is ripped apart by tidal forces and falls into the disk, eventually streaming into the hole. As the matter falls towards the hole, it loses gravitational potential energy, and we believe that this energy is the source of power of the central engine."

"Somehow, the combination of the spinning black hole and accretion disk manages to convert some of the energy falling towards the black hole into a highly collimated jet of material moving outwards along the spin axis of the black

hole. To escape the enormous gravitational field near the black hole, matter must be traveling at close to the speed of light, so we should not be surprised if any material we find moving away from these objects is traveling very fast," said Dr. Readhead.

Besides Dr. Readhead, other members of the discovery team include:

—Timothy Pearson, Peter Barthel, David Hough and Anton Zensus of Caltech;

—Arno Witzel, Richard Porcas, Andreas Eckart and Peter Biermann of the Max Planck Institute for Radio Astronomy in Bonn, West Germany; and

—Kenneth Johnston of the Naval Research Laboratory in

Washington, D.C.

"The latest discoveries show that the ejection of matter at speeds close to that of light is a common phenomenon in active galactic nuclei and quasars," said Dr. Pearson. "They enable us for the first time to study these objects as a well defined group, with proper controls, rather than as a rare class of unusual objects selected at random. There must be large numbers of these objects that we have not yet discovered."

Said Dr. Witzel: "Besides the latest discoveries of seven new superluminal objects, there are another half a dozen promising candidates in the sample under study that may prove to be

LETTERS



Encounter in Blacker: the Fleming expeditionary force, prior to its emergence in the courtyard/pond, encounters a Blacker welcoming committee near the fabled 30-cent Coke Machine. No effort was spared to keep the Flemings wetted down as they sang their songs.

Sunday Night Fun

To the Editors:

Sunday night in Ricketts, a group of young men from Fleming pinned me to the stairs and stripped off my shirt (which they seemed to object to on some grounds, despite its marked similarity to their own attire). I would like to thank them for this enjoyable experience. Thanks go also to Mark Porter (Scurve) who wrestled me to the ground, yelling "Flem! Flem!" just as I was making my escape. I guess it's the shirt that makes the man. Let's all get together and do it again sometime, O.K. guys? (Your house or mine.)

P.S. I spent about \$10 on the shirt, guys, and the mail code is 1-59.

-Doug Cutrell
Senior, Ricketts

can. I don't know about Blacker, but some people in Ricketts actually asked for those dimmers which you condemn.

I, too, was aghast at what all of that money didn't buy, but if you didn't care enough to help decide what should and shouldn't be done, you ought to at least be polite about your gripes. Did you ask the Housing Office if you could repaint your room or your alley? They might have said yes (though if you did it with the amount of tact your letter flaunts, I doubt it). The Housing Office is always there, you know, and they can be surprisingly helpful. I went over there with a problem this week and within an hour it was taken care of (thanks, Nancy and Jennine).

Anyway, the point is that instead of being a jerk, you ought to start trying to change those things you don't like and appreciate those things you do like.

-Lisa LePome
A Person Who's Glad Not To Be Scalded By The Showers

Renovation Reply

To the Editors:

Ron Goodman's letter in last week's Tech seemed unduly rude. Yes, I agree that many of the renovations gave Ricketts and Blacker an overly institutional feel. I don't like the fact that everything is pastel, and I don't like the fact that the woodwork was not properly refinished, and I'm not even particularly fond of the new carpeting.

But I would very much like to know where you were last spring, Ron. I must suspect that Blacker was given the same opportunity for input that Ricketts was given. Ron, what colors did you say you wanted the House painted? When Ricketts asked that Crud Alley be painted black (not a yuppie color), they painted it black. What opinion did you voice when the proposed furniture was displayed for approval, and did you know that you could get your old furniture back? You

In Memoriam and Headline Correction

One of last week's front-page headlines may have confused some of you. The headline, which read "Construct Quake Maps Caltech Researchers", appeared over an article about earthquake hazard maps produced by Dr. Steven Wesnousky.

We apologize deeply to Dr. Wesnousky, his friends and family, and to anyone else who may have become so distraught over this problematic headline that they went out and began shooting at old ladies on the street.

The headline in question was meant to

accompany an article, which was never run, about Caltech's brilliant Dr. Construct W. "Consie" Quake and her recently-completed nine-dimensional hierarchical chart of Caltech researchers and their projects. The article was to be postponed until this week, but in a tragic act of senseless violence Dr. Quake, at age 76, was shot and killed by an unknown undergraduate assailant.

We at the Tech join the rest of the campus in mourning the passing of a brilliant scientist (and two and a half feet of front-page copy).

Tech Meeting

Friday at 12:15pm

IF YOU CAME TO TUESDAY'S MEETING, OR EVEN IF YOU MISSED IT, COME TO THE WEEKLY CALIFORNIA TECH STAFF MEETING THIS FRIDAY IN 128 BAXTER. WE'LL GO OVER THIS WEEK'S PAPER AND DISCUSS ARTICLE AND PHOTO ASSIGNMENTS. BE THERE!

ASCIT FRIDAY NIGHT MOVIE



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Jens Peter Alfke • Josh Kurutz

ENTERTAINMENT EDITOR

•Help Wanted•

PHOTO EDITOR

Joey Francis

SPORTS EDITOR

Michael Keating

REPORTERS

Jim Bell • John Haba
Josh Kurutz • Gary Ludlam
Anthony Stirk

PHOTOGRAPHERS

Shubber Ali • Joey Francis
Teresa Griffie • Rosemary Macedo
Chris Meisl • Sing Ung Wong

THE INSIDE WORLD

Blacker: Alex Wei
Dabney: Alex Gilman
Fleming: Steve McAdams
Lloyd: Keith Owens, John Wiltse,
and Sho Kuamoto
Page: Michael Keating
Ricketts: Samer Diab and Lisa
LePome
Ruddock: Betsy Andrews

BUSINESS MANAGERS

David Goldreich
Gavin Claypool

CIRCULATION MANAGERS

•Help Wanted•

PRODUCTION & LAYOUT

Amanda Heaton • Mike Klein
Josh™ Susser • Nick Smith
Mimi Zucker

THE CALIFORNIA TECH

107-51 Winnett Student Center
California Institute of Technology
Pasadena, California 91125

Phone: [818] 356-6154

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Rotary Grads Attend Tech

Four graduate students from three European countries are attending Caltech this year as Rotary Foundation scholars. The four, Jean-Marc Bournazel, Jean-Reynald Mace, Giovanni Emilio Paulette, and Stephan Schmid, were selected both for their academic abilities and for their ability and willingness to share their respective cultures and learn about ours.

The Rotary Foundation, funded by Rotary International, is spending more than \$14.9 million this year to send 1,307 scholars from 73 countries to study in 63 countries. Since 1947, the foundation has sent more than 16,900 scholars from 110 countries to 93 countries at a cost of more than \$113 million. A foundation scholarship is awarded for one year's study abroad. It covers the cost of round-trip transportation, all academic fees, room and board, and stipends for educational supplies, limited educational travel and contingencies.

Those interested in obtaining one of these scholarships should contact the local Rotary club. They are available at an undergraduate as well as at grad level, but you must be between 18 and 50 years of age.

The Inside World

Dabney: This week saw Dabnicorp™ take a major corporate stride toward tomorrow as we introduced DBN, the Dabney Broadcasting Network. This daring venture into the high-stakes network television ratings game is already showing significant return. In just one week, DBN jumped from rock-bottom to "second-best," topped only by NBC. Analysts say DBN's remarkable success can be attributed to "a perfectly balanced combination" of hard-hitting programming (like "Say 'Yes' to Money" with Nancy Reagan) and sensitive human-interest shows (like "Down Heroin Lane," which airs every Monday at 8 pm). Advertising profits from DBN's first week have been earmarked to go back into the network. Sources say the money will go toward studios, cameras, crews and a transmitter, although certain members of the board have been overheard saying, "If we got all this money, why do we even need to broadcast?" (We shan't name names, shall we, Jerry?)

As for competition from NBC, that matter shall soon be cleared up. Fiscal planners predict an easy takeover, aided greatly by Dabnicorp's latest overseas acquisition, KGB Unltd.

Writing under an implied name, this is **Fleming:** The 86-87 school year began with Fleming House rotating like mad. Thankfully that all came to a screeching halt last Sunday as twenty-two new Flemings joined the ranks of the best House on campus (it's nice to be able to say that after a week of "mum's the word" for the frosh).

The first Formal Meal of the year came and went, with a sterling performance by Highstrete, who swam later that evening. Poet Laureate Brian Hayes recited his first commissioned work to everyone's approval. It's reprinted here for those of you who missed it the first time.

Long ago there was created the dorm of Page
Whose common walls would be yellowed with time
A tragedy befell a house so undeserving:
The creation of the alley of Syndicate
Its members had the pride to aspire to equal
The glory of the almighty house of Fleming.
And thereby launched the impious war against the throne
In clandestine treason they approached the Cannon
And stained its gleaming surface pink.
Then during the sacrament of dinner fired shells

Of paint at the Ceremonial Scoreboard.
And after both of these atrocities
They so deceived the hapless boys of Page
That Page elected Syndicate to lead the house
And though their por'r was only relative
It would fin'ly mean the fall of Syndicate.
Soon it was at hand that infernal day
The Cannon sat in limbo in nocturnal hours.
The Scourge approached and dared to do their worst.
No man could doubt the boys would give a sick display
And lo they shot spaghetti from the gun!
Oh what great sanctions should befall these heathens,
These barbaric, thick-skulled, neanderthal, worthless
Latent homosexual, deranged, cowardly, Jerry's Kids?
Many retributions were devised and contemplated.
Perhaps their flesh be cheese-grated from their bodies,
And force-fed to them by a bicycle pump?
Or else pour wax that's molten inside
Their Abdominal and cranial cavities,
Or contesting as to who could stick
The most toothpicks into their eyeballs,
Or even giving them enemas of liquid nitrogen.
Their helplessness so pitifully palpable gave rise
To lenient judgement: to banish the worst of Syndicate
To places off campus; there they must dwell
Far from the hell that they think paradise.
How quickly order was restored to the World,
As the Cannon, now standing symbol of pristing power,
Testifies, and to the proper mantle were won
Interhouse and Discobolus as Page relapsed
Into its blissful state of mediocrity.
Fleming alone stood victorious.

Softball is coming up, so let's get out there and practice.
Ultimate Frisbee this Sunday, probably at the athletic field around
3:00 in the afternoon. Be there or be worthless.
Until next time...

—Al Fansome

Lloyd: It has occurred to us that your typical Caltech Inside World column ranks just below Sanscrit in its intelligibility to anyone but the writer and his 2 or 3 closest friends. We have decided to remedy this by providing sort of a translation of such a column:

Typical Inside World

- 1) Aliens and Cowboys into the shed! Where's the popcorn? Hope it doesn't learn to walk!
- 2) Oh, Phil don't wimp out! Pengo, Ah! 5/16 5/16!
- 3) Mother May I moo moo dog face in a banana patch. Bozo pee-pee on a dead whale.
- 4) We got 28 nice new frosh this week.

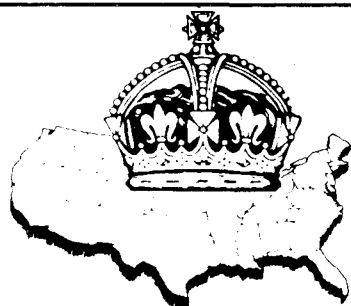
Translation:

- 1) Lloyd bought a new VCR this week to replace the one that was stolen.
- 2) We were thinking of buying some stock in a lame company called "Pengo" as a joke.
- 3) Picnic this Sunday!
- 4) Ahhh! The wimpy geeks from hell have invaded our House!

...so enough. What are we trying to do, send code to the Russians? Anyway, the official drink of the week is the Green Cherry Bomb, which helped keep us sane during rotation. 1 part Midori to 1 part Cherry Coke. Looks awful, but it's great on pancakes.

Finally, we'd like to take time out to apologize for an incident on Sunday night during which a certain Flem was bombarded with ketchup. After all, what is Ed Zanelli? Chopped ham? No, chopped steak. Sorry for not using A1.

—Skeeter and Jethro
Continued on page 6



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WHAT HAPPENED? THE LAWYERS "CLEANED UP" MY CARTOON.

I'M AFRAID IT HAD BEEN... A GOOD JOKE...

YES... A GOOD AND FUNNY JOKE.

A POTENTIAL GOOGLER CUT DOWN IN IT'S PRIME.

A GOOD, FUNNY, AND DEAD JOKE.

OH, WHIMSICAL NOTION WE HARDLY KNEW YE.

WELL, TERRORISM IS UP... THE ECONOMY IS DOWN... AND DAVID LETTERMAN'S FRONT TEETH ARE STILL SPREADING APART. WANNA KNOW WHAT I THINK?

I KNOW WHAT YOU THINK! YOU THINK NOTHING'S BEEN THE SAME SINCE MARIE OSMOND'S DIVORCE!! THAT'S ALWAYS WHAT YOU THINK!!

HOW PERFECTLY POOPY OF YOU TO SAY THAT. IN FACT, THIS WHOLE TOWN HAS BEEN ACTING POOPY LATELY.

IN FACT, THE WHOLE COUNTRY HAS GONE TO HELL IN A HAND BASKET SINCE DAVID LEE ROTH LEFT "VAN HALEN."

HERE IS THE INTREPID REPORTER FOR THE BLOOM PICAYUNE ON THE TRACK OF THE BIGGEST STORY OF HIS CAREER...

THE SEARCH FOR THE FABLED BASSELOPE! SIR, WHAT EXACTLY IS A BASSELOPE?

A BASSELOPE SOUNDS VICIOUS. HAVE ANY PROTECTION?

BRINGING UP THE REAR.

THE SHOES ARE BY "REEBOK"... THE WEAPON BY "LOUISVILLE SLUGGER"... THE FASHIONS BY "BANANA REPUBLIC"... THANK YOU ALL SO MUCH!

YES, A BASSELOPE IS PART BASSET HOUND, PART ANTELOPE... THE MILITARY HAS BEEN LOOKING FOR ONE FOR YEARS...

APPARENTLY, THEY WANT TO USE THEM AS... OH... SAY, WHERE ARE YOUR NEW "BANANA REPUBLIC" CLOTHES? TOOK 'EM OFF.

DO YOU HAVE ANY IDEA WHAT HAPPENS WHEN YOU HIKE UP A PAIR OF SHORTS AND YOUR LEGS ARE ONLY TWO INCHES LONG?

NO.

THE EXPRESSION IS CALLED "GETTING A WEDGIE," BUT I SHAN'T ELABORATE.

QUIET! THE INTREPID REPORTER AND HIS ARMED ASSISTANT LIE IN WAIT FOR THEIR ELUSIVE PREY: THE FABLED BASSELOPE...

...SUDDENLY, THEY SPY THE RARE ANIMAL SCURRYING DEEP INTO THE INKY DARKNESS OF THE THICK WOODS! THE CHASE IS ON!!

RECKLESSLY THEY TEAR THROUGH THE THORNS AND POISON IVY! AND TOGETHER THEY LEAP UPON THE BUCKING, SPITTING BEAST!...

FANGS GLISTEN! BLOOD FLOWS!...

FEEL PARTICULARLY COMPELLED TO KEEP UP WITH THIS STORY? NOPE.

MILD! THE BASSELOPE!! HE'S NEAR!! I CAN SENSE IT!!

DO SOMETHING, MILD... HE'S GOING TO ATTACK! I CAN SENSE IT!

OH GOSH... OH GOSH... WHAT SHOULD I DO?

I'LL FREEZE IN HOPES THAT HE DOESN'T RIP MY FACE OFF! SHOULD I PIDDLE ON HIS FOOT?

BASSELOPE!! IN THE FLESH!! IT'S HUGE!! HURRY!

SHOOT! QUICK! SHOOT!

FLASH!

THPTHPF!!

KEEP LOOKING! HOW CAN A PHOTOGRAPH GO THPTHPF?!

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DOUBLEDAY

ENTERTAINMENT

Burl Ives

World-renowned balladeer, folk singer and actor Burl Ives will appear in Beckman Auditorium tomorrow, Oct. 11 at 8 pm.

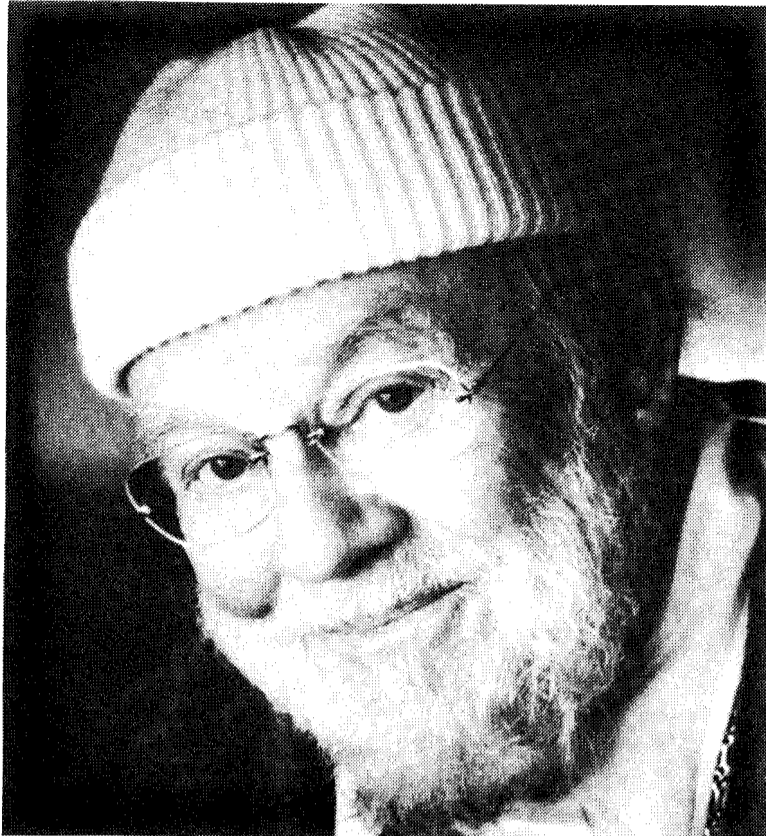
Ives, a man whose career spans four decades, emerged in the 1930s as a ballad singer. He rapidly became a top recording artist, then went on to a distinguished career in radio, nightclubs and in concert.

He has starred in 13 shows on Broadway, and has appeared in numerous films, including *Cat on a Hot Tin Roof*, in which he co-starred as the immortal "Big Daddy." In 1958 he received an Oscar for his supporting role in *The Big Country*.

Caltech student tickets are priced at \$11.25-10.00-8.75. Rush tickets at \$6.00 each go on sale tomorrow.

Caltech faculty and staff tickets drop in price at noon, and will be on sale from 12-4:30 today for \$11.25-10.00-8.75. Before and after those hours, they will be more expensive.

Caltech student, faculty or staff I.D. required (limit 2 discount tickets per I.D.). Tickets subject to



availability. Purchase tickets directly at the Caltech Ticket Office, located just north of the

Beckman Auditorium parking lot. Call campus extension 4652 for information.

**Film Review
Down By Law**

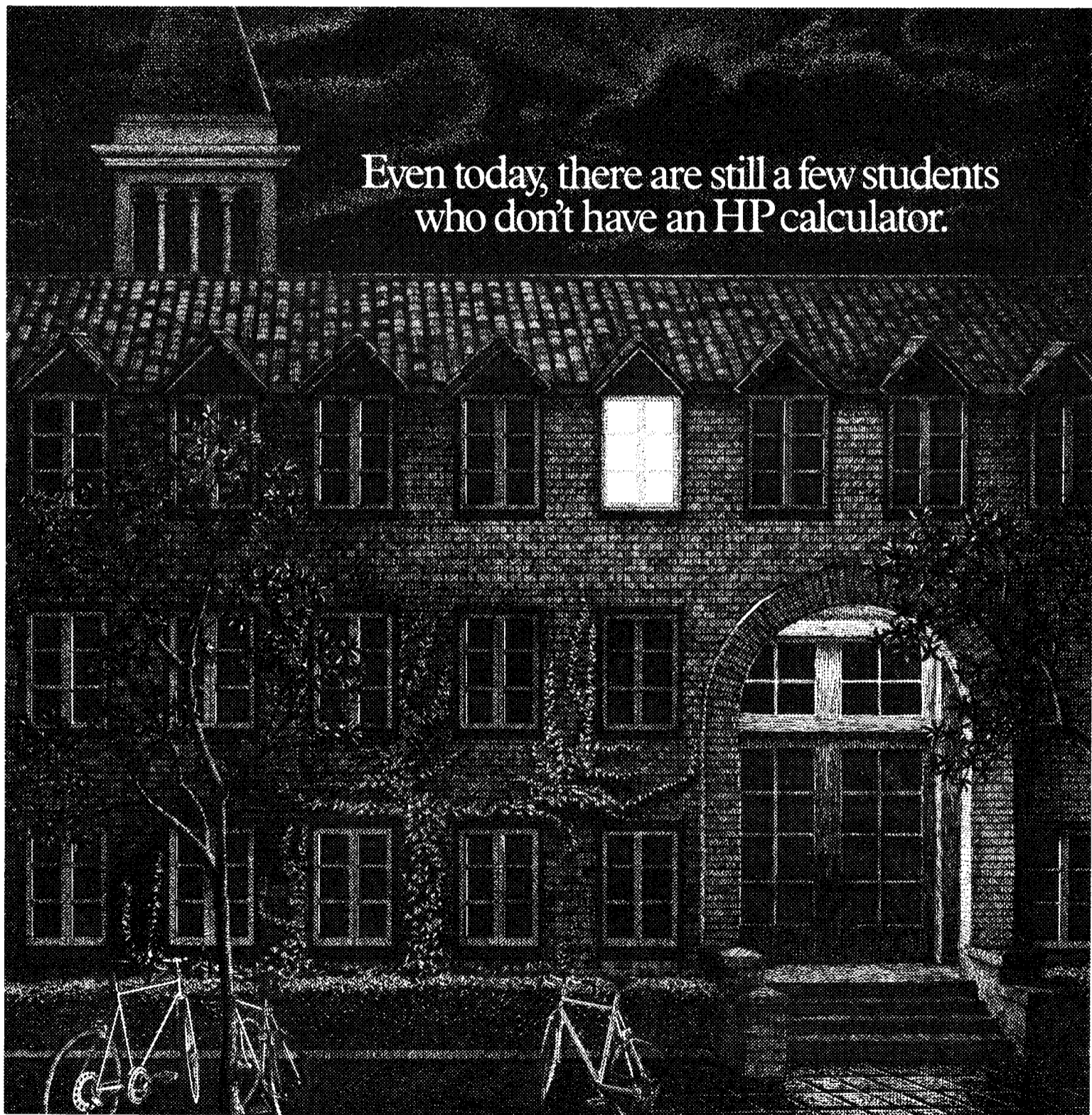
by Joey Francis
Down By Law
Directed by Jim Jarmusch

John Lurie (Zack) in bed with a black woman, Tom Waits (Jack) with a white woman, traveling shots of po' ol' suthen' shacks and houses and people and sky precede the credits in the opening shots of this deceptively simple and coolly funny film. Lurie is a pompous pimp complete with big-daddy speech and gestures, set up by the "the fat man" to be caught luring a nymphetic newcomer into his harem. Waits is a down-and-out D.J., thrown out of the house by his shrewish "why can't you jack them off a little" girlfriend, and set up to drive a hot Jag across town for a grand—right into the hands of the cops. Thrown into jail together, Zack, Jack and "buzz off" Bob (an Italian national with a penchant for noteworthy phrases) pass the time but (necessarily) escape, trek through the wilderness, and part ways at the fork in the road.

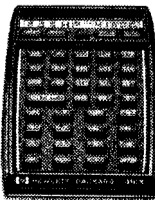
The film itself is black-and-white in a different process than

Jarmusch's earlier effort, *Stranger Than Paradise*, but nevertheless lending the same seedy B-movie atmosphere to what I would call a "Fake Movie" style (re: John Lurie and the Lounge Lizards' "Fake Jazz"). Jarmusch gives surfaces a painted presence, from the Twomblyesque graffiti encrusting all the walls, the determined wall-scratching of Waits to record the days (didn't weeks have seven days at last count?), to the literal charcoal "fenestre" of Bob. In the visual vein too, the extreme close-up shots on one side of the frame balancing intermediate range shots of spectators seem to refer to the audience within a contextual continuity (we-as-spectator, actor-as-spectator) in a way that most films avoid; the film is a window we look at rather than through (Bob's idea). The beauty of capturing not just "la cucina" for the Italian dinner, but also the quality of Italian light in the morning in *the Louisiana bayous* is a pretty good indicator of the control Jarmusch had

continued on page 6



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ENTERTAINMENT

Down By Law

from page 5

over the movie—the look was not just an artifact of the process. As naive as the film comes across, I feel nothing is uncalculated. (Visual parallels between the shacks, the prison, the cypresses in the bayou: a complicated internal cross-referencing.)

"Fake Movie": in improvisational music, musicians often have a book of popular music with chord structures written along the melody so the boozy floozy with a fiver who wants "I Will Survive" can hear it in a moment, though in a completely original interpretation. In this film, essential film noir/prison movie/50's B-movie structures have grafted on them (via the New York 8mm underground school I suspect) a hip and very funny modern script. The improbable in the film isn't so jarring because we've seen the script before. For example: escaped convict meets beautiful dame, she falls

in love with the killer and they make things work out. Bob meets beautiful dame in the last ten minutes of the film, and they go through one hour of normal filmtime in five minutes, and the effect is quite comic.

Not an ordinary film, not an ordinary cast (who was Rockets Redglare, anyway?), not ordinary takes (the uncut lengths of film are sometimes quite long), not ordinary music (John Lurie—music, Tom Waits—songs), not a film for everyone, but if you like original films rife with deadpan humor, then you should go see this. If you want rapid action drama and are willing to forego visual style and good writing for gut reaction, stick with *Top Gun*.

(*Down By Law* is showing at the Fairfax Odeon in West Hollywood. Jarmusch's earlier film, *Stranger Than Paradise*, shows this Saturday at the Nuart at 4PM and 7:30PM.)

Quasars

From page 1

superluminal over the next year. We now believe that over half of the power extragalactic objects seen in high frequency radio surveys of the sky may be superluminal objects."

"Could it be that a significant number of the radio sources in the sky have jets which are pointing toward us?" asks Dr. Johnston. "This possibility cannot be ruled out—it may be what astronomers call a 'selection effect,'" he says. "The theory of relativity indicates that any radiation from an object that is moving at nearly the speed of light is strongly beamed in the direction of motion. Thus, objects moving towards us will appear unusually bright, and therefore easy to see, while objects moving at large angles to the line of sight

will be relatively faint and difficult to see. Thus we could be preferentially selecting those objects moving almost towards us."

"However, the matter in some superluminal sources may be moving at a considerable angle to the line of sight," remarked Dr. Barthel. "If we find many more of these objects alternative explanations of the effect may have to be invoked."

Radio astronomers are now looking forward to several new instruments that will help solve such mysteries. These include the Very Long Baseline Array, a national network of radio telescopes due to begin operation in 1991. Astronomers also hope to see launched into orbit a radio telescope called 'Quasat' for 'Quasar Satellite', which, in combination with radio telescopes on the ground, will give the equivalent of a radio "eye" 25,000km in diameter.

The Inside World

Page: We offer an apology to any individual who may or may not have been offended in this space in previous issues this year.

Now, back to business. And that business is the forming of 42 frosh into Page material. Perhaps a dozen or two of them may not make it. But, then again, Page is not for the faint at heart. That's why there are seven houses.

And, how's this for Page Power? We even got one frosh who didn't pick us! Thanks Sue. Go easy on that hard disk next time.

Softball is nearly upon us. Damage says that's where the action is. I suppose that's the feeling of anyone who can't get in for a series of downs on the varsity football team.

How about a big team photo? Biz, Mayville, and Brewer... with the Romulan as photographer!

Frosh, keep a warm set of clothes handy. You might need them at any time.

—Pervis

Ricketts: FROSHWASH!! Fourteen pizzas, two dozen pallets, two barrels of sawdust, about a hundred doughnuts, and twenty-six frosh later, we had ourselves such a great party that even the Flems couldn't stay away. Blacker helped us dust them but alack, alas, we didn't expel them before the lechers stripped Doug to the waist.

Beware of Gonzo and Danny doubling in Herc—an interesting combination to say the least!

The new frosh showed their prowess by Grand Touring the doggie in 1 hr, 17 min. The wimps in the class of '89 will undoubtedly fail at brakedrum again, just as they were cowed by the class of '88.

The House meeting was Wednesday (of all days!) and with the exception of "LOOPS!" nothing was said that was memorable.

Don't forget the cocktail party in Sin (note the alley name, Amanda) at 7:00 tonight.

—Whoever

Blacker: Frosh pickers yon South report a good crop this year, just prior to "Red Sunday." The semi-aquatic Moles weathered through the attack quite well, whereas the cacophonous marauders seemed otherwise, having recieved treatment not much unlike that given to the ill-mannered duo, Timothy and Birgitte, whose behavior pales next to that unspeakable who should NEVER EVER bring a Tommy to Tommy's. Meanwhile, Bengt learns of a new pondside parking place.

Food is everywhere. Catch of the day: Salmon on a Wednesday evening. Speaking of Salmon, check in with them to change your combination. Freshman Matthew Kidd derives an algorithm for it, put unfortunately can't seem to remember what his new number is. A new meaning to the term "froshing a lock" comes to mind.

Interhouse softball against Ruddock today, Gumbobulous softball vs. Fleming Sunday. Watch or play, but don't stay away. Curtis, you are the kindest, most considerate person I know. You don't smell half as bad as everyone says you do. I love you. Enough mush for now.

—Arex the towel man

Movie Review

A Rose Made For Television

by Joey Francis

The Name of the Rose

Directed by Jean-Jacques Annaud

20th Century Fox

Based on the book of the same name, by the Italian semiotician Umberto Eco, this movie is a medieval mystery, a holy whodunit with Sean Connery as the detective. The problem is that monks seem to be dropping dead (literally, out of windows), drowning (in pig blood or limed bathwater), or, well, I can't tell all. The key to it all seems to be some abstruse text by the wily ol' philosopher Aristotle; laughter isn't the best medicine in this cloister!

Made for TV: Some of the cinematography is startlingly awful. A shot starting near foot level abruptly rises to show Connery and then the tower, but the perspective distorts wildly through the shot with no compensation. I expected Linda Evans to come into view and the theme from *Dynasty* to start spouting. Over and over we have dark dark shots of the

monastery obviously intending to create a mood, but quite ineffectual. The same angle is used over and over, creating more of an awareness of interstitial moments as segues rather than signing time like "evening", "middle of the night", "morning": this film is blissfully unaware of time's passage.

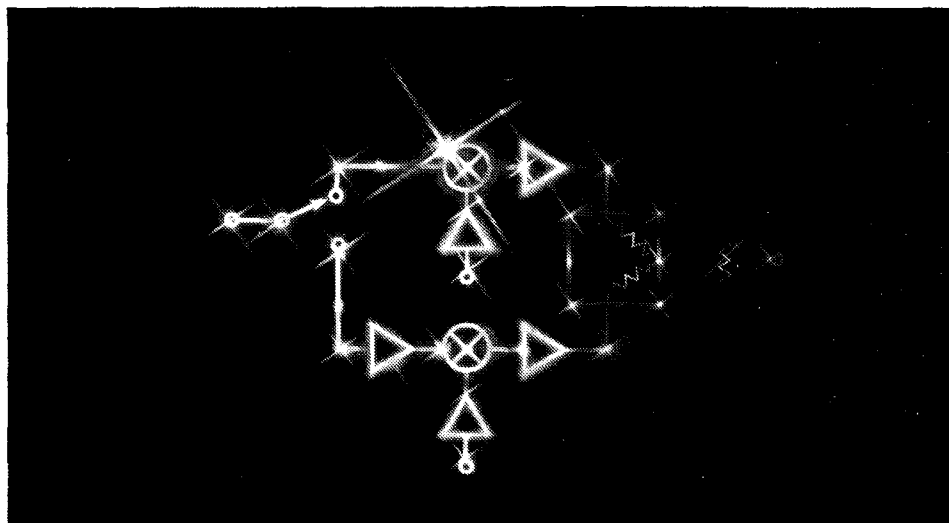
The story was actually engaging, but about a third of the way through the writers threw in a gratuitous sex scene, abandoning Connery's character, and the movie limped the rest of the way. Prefigured actions were abandoned, headlined actors (F. Murray Abraham) introduced in the last third of the movie, and the things went out of control. There are repeated scenes with a group of Franciscan friars arguing amongst themselves, arranged like a Monty Python bible study group and with about the same aplomb (and lines that are howlers, but meant to be quite serious).

As a film, the movie has the look of a product manufactured for

consumption by a crowd perhaps somewhat cognizant of the book and therefore wanting to "know the story" for cocktail hour small-talk. This is unfortunate because the movie merely illustrates the book's story without the intellectual underpinnings necessary to give depth. The (postmodern, I suppose) metaphor of knowledge as a (Borgesian) infinite labyrinthine library, with its key text, is only cursorily observed—it serves as a plot thickener much as cornstarch to soup: it gives body, but no flavor. The interesting (to me) internal struggles between different orders within the Catholic church, well laid out in the book, here serve as comic relief. The film also fails to evoke, as the book does, the incredibly timed nature of monastic life. Even the problems of symbolic meaning—hence the title itself, and the mystery of reading the signs—is passed over. Little remains to be enjoyed.

(*The Name of the Rose* is showing at the Pasadena Hastings.)

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SPORTS

Caltech Cross Country Tops NCAA Div. I Pepperdine

- Without Athanosopoulos, With Ghering Lost, And Bures Slowed by Fracture

by Speed Racer

The cross country explosion continues! Blasting out of the starting blocks this season, the Caltech harriers are once again pursuing a winning record. With the addition of 20 freshmen recruits (14 men, 6 women) to complement the returning veterans, an above-.500 season is definitely within this squad's grasp. In addition to the large contingent of freshmen runners, there are 13 sophomores back from last year (10 men, 3 women) who will be expected to make major contributions to the success of this team.

The season began quite abruptly on 20 September with an invitational meet at Santiago Oaks Regional Park, hosted by Chapman College. This race was scheduled for only four days after pre-season practice began. Despite this fact, the team was marginally successful competing against other teams who had been working out since the first of September.

The team depended heavily on the freshmen and transfers,

because many of the veterans had not yet returned to school. And they came through in the clutch by comprising five of the top seven runners for Caltech. Junior John Gehring led the men, covering the hilly 4-mile course in 24:45 for 27th place. Senior Mike Jensen was next in 26:25, followed by Andrew Stevens (27:07), Ted Sande (27:28), and Ron Rogge (27:44) to round out the scoring. Rob Grothe and Kevin Underhill ran tough to claim the sixth and seventh spots, allowing the team to finish tenth out of 17 teams.

The women's team only had five runners for this meet as a result of the Y backpacking trip draining off a couple of runners. However, with freshman Vicki Lane leading the way, the team was able to garner a tenth place finish. Sophomore Carmen Shepard ran a tough race in the heat, followed by teammates Ami Choksi, Dee Morrison, and Miriam Yee.

For Caltech's second contest, the prospect of facing the top three teams in the SCIAC conference

didn't seem to faze anyone. Not one of the 40 men and women scheduled to race in the old orange-and-white was concerned. Perhaps they were fooling themselves into a false sense of security because of the new and scenic (and deceptively tough) course to be used behind JPL. Ah yes, the Arroyo Seco Trail—otherwise known as "Caltech's Revenge". It seems the runners enjoyed the course with its eight stream crossings, while the opposing coaches hated it. Something about being unable to view the runners at various points and offer their expert coaching tips upset them.

In the final analysis, the outcome was predictable with Occidental defeating Pomona-Pitzer, Redlands, and Caltech. Although the Caltech runners (men and women) were soundly defeated by all three teams, there were some positive aspects to the race. Sophomore Alex Athanosopoulos led the charge by narrowly edging John Gehring at the tape in 30:25. Chuck Lee followed in 31:08 with Jeff Willis and Mike Jensen in close pursuit. The team spread for the top five runners was only one minute and 14 seconds, indicating a tight-knit and potentially competitive team.

Additionally, John Haba ran well in his first race of the year, with Ted Sande rounding out the top 7.

Once again the women had to compete without Clea Bures, who was hurt before the first race. Vicki Lane took up the slack and once again performed admirably, finishing in 24:04. Carmen Shepard and Bibi Jentoft-Nilsen came in consecutively in 25:05 and 25:14 while freshmen Margi Pollack and Christina Garden finished up the scoring in 25:36 and 25:53 respectively.

By week three, both men's and women's teams were coming together and appeared to be ready to present a serious challenge to Christ College, Southern California College, and NCAA Division I Pepperdine University. Upon arriving at Christ College, some members of the team were heard joking about one particularly long and steep hill being part of the course. Little did they suspect that it would actually be reckoned with before the day was out.

This was going to be Caltech's day! Coach O'Brien had left Alex Athanosopoulos at home to protect his sore back, fully expecting the rest of the team to cover the loss with their best performances. Little did he suspect that stalwart John Gehring would get misdirected at the four-mile point of the race after building a one-minute lead over his closest competitor.

La Verne Gets the Boot

by Joe Pele

The Caltech soccer team is proving to be the finest squad assembled here in years. Monday night at La Verne University, the Booting Beavers stuck it to the Leos, handing them a 2-1 loss. This is the first victory by Caltech over La Verne in five years.

The night started with the

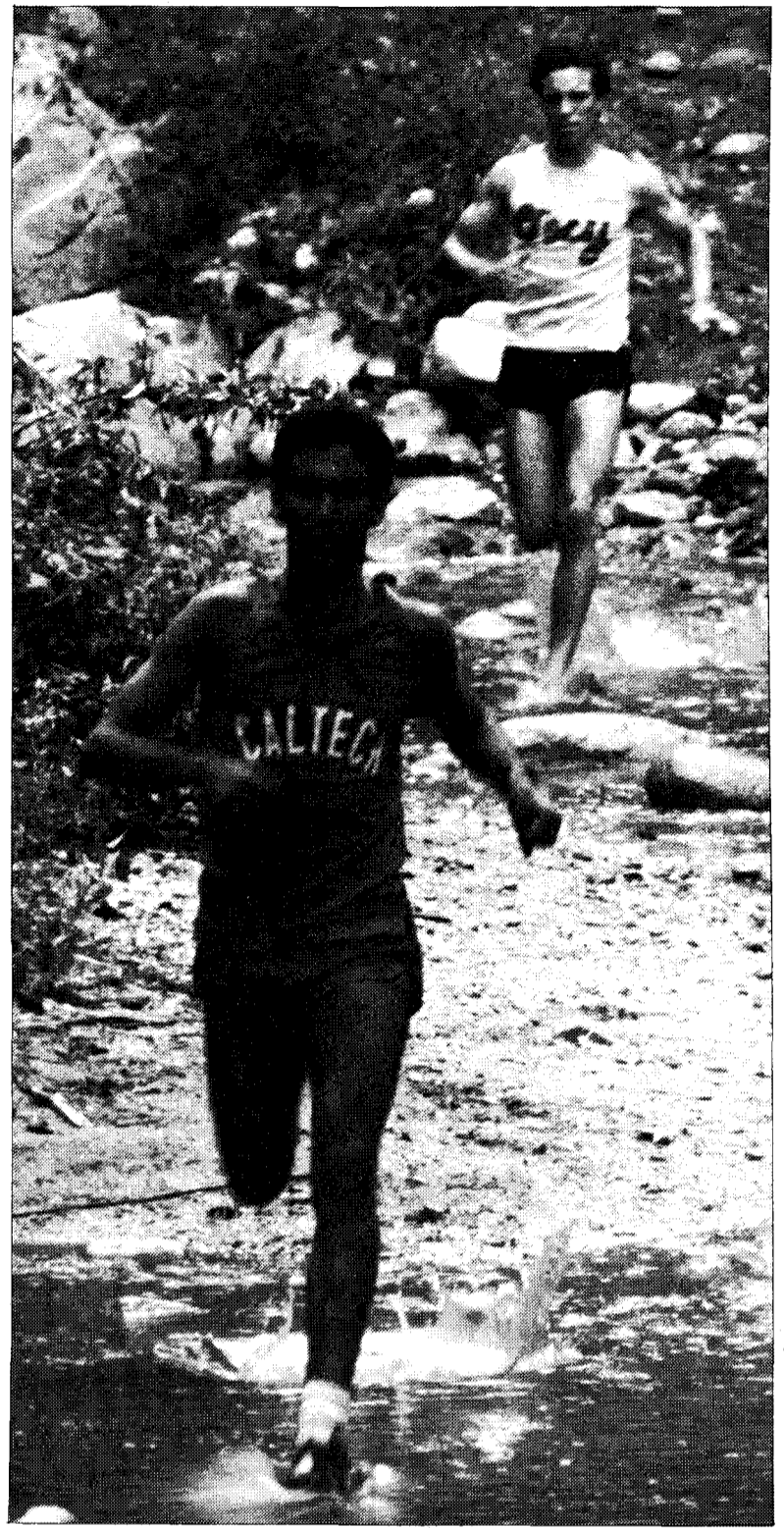


photo by Steve Lodge

Caltech sophomore cross country runner Alex Athanosopoulos splashes his way to the finish line on the JPL-Arroyo course. His Occidental opponent slides up from behind.

No problem! Despite John's mishap, Mike Jensen made a strong move at the end with teammate Chuck Lee to secure first and second places in 31:11 and 31:22 respectively. Finishing close behind them were Jeff Willis (32:05) and Ray Hu (32:08). Senior John Beck worked his way up into the top five for the first time this season, running 33:08. Darin Acosta and Andrew Stevens closed out the top seven, placing 11th and 13th overall.

This exceptional team effort allowed the Caltech men the opportunity to walk away from this meet with the knowledge that they had soundly defeated all three opponents. The team scores were as follows: Caltech 16, Pepperdine 47; Caltech 18, Southern California College 45; and Caltech 20, Christ College 39.

Pepperdine's coach was overheard telling his team before the meet, "Don't worry about that sea of orange, once the race begins they'll all fade to the back. Besides only seven runners can score." He further wondered whether Halloween had come early. Take that to the bank, Pepperdine.

referee immediately asserting his presence on the field. Don Cameron had to yell, "Referee!" only once to receive a yellow card at two and a half minutes into the match. The Beavers could not guess that the situation would only get worse as the match continued. In certain aspects, the match more resembled a basketball contest. The slightest contact between

The Caltech women chalked up their first win of the season, soundly thrashing Christ College by a score of 15 to 50. The down side is the narrow losses they suffered at the hands of Southern California College and Pepperdine.

Clea Bures, competing in her first race of the season, gave a gutsy performance on a stress fracture that she thought was sufficiently healed. Disregarding the pain, she managed a third place finish in 22:44. Vicki Lane once again ran well, finishing eighth overall. Carmen Shepard, Bibi Jentoft-Nilsen, and Christina Garden all performed well, but that infamous hill took the crease out of their shorts.

This Saturday, the squads take on La Verne, Whittier, and Pomona-Pitzer at 9:30 am in Bonelli Park. Since the Graduate Record Exams conflict with this meet, the team will be devoid of our illustrious senior representation. It should be interesting to see if they truly can be replaced. The next home meet in Lower Arroyo Park is scheduled for 10:00 am on 18 October. Be there to view the *Orange Crush!*

players brought on the referee's whistle in almost every case.

In the first half of the match the Caltech defense held firmly and kept the attacking players off of goal keeper Van Eric Stein. Stefan Marelid performed brilliantly in his first effort at center back this year. He and Michael Keating kept the goal mouth free of attacking

continued on page 10

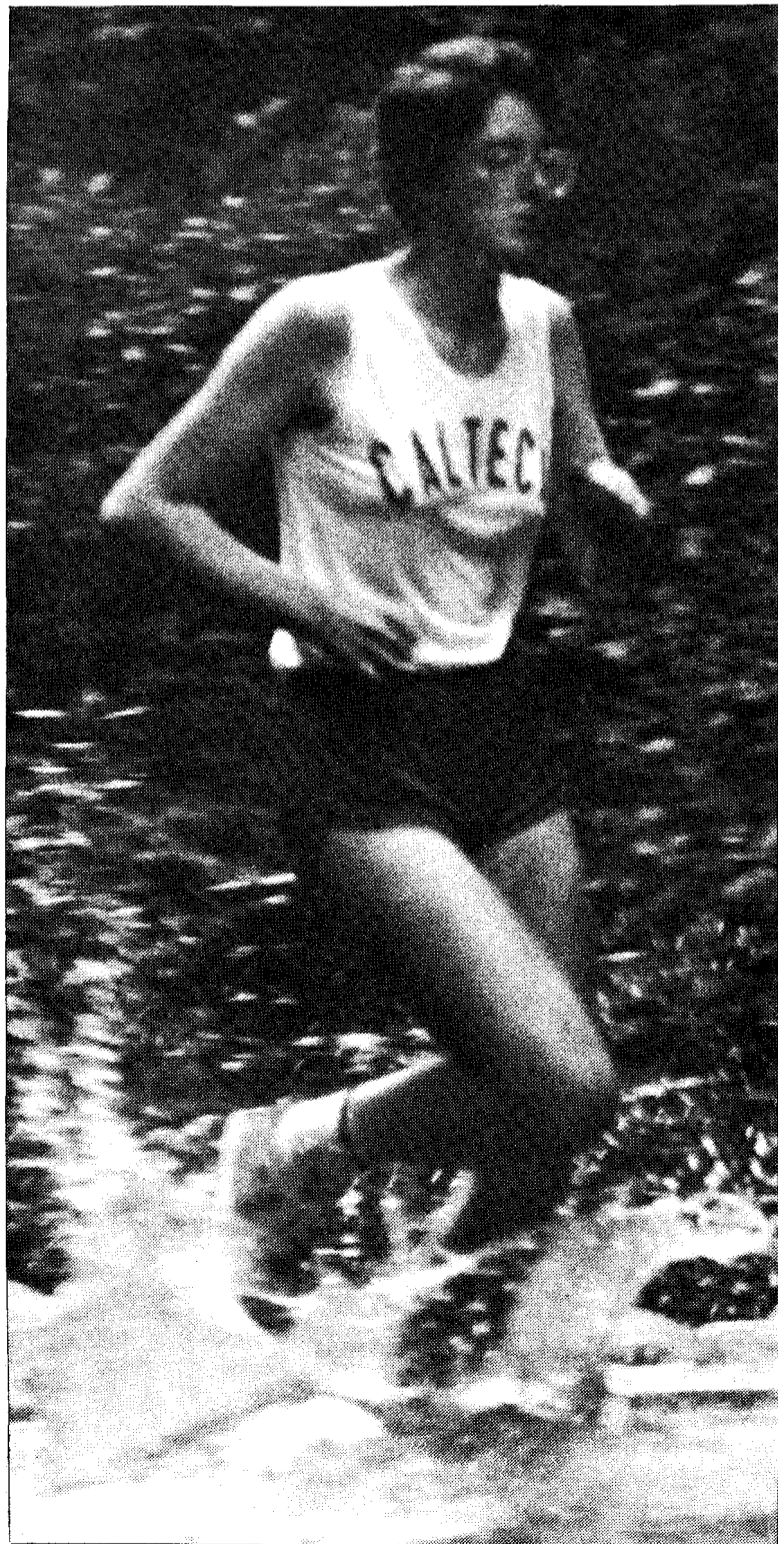


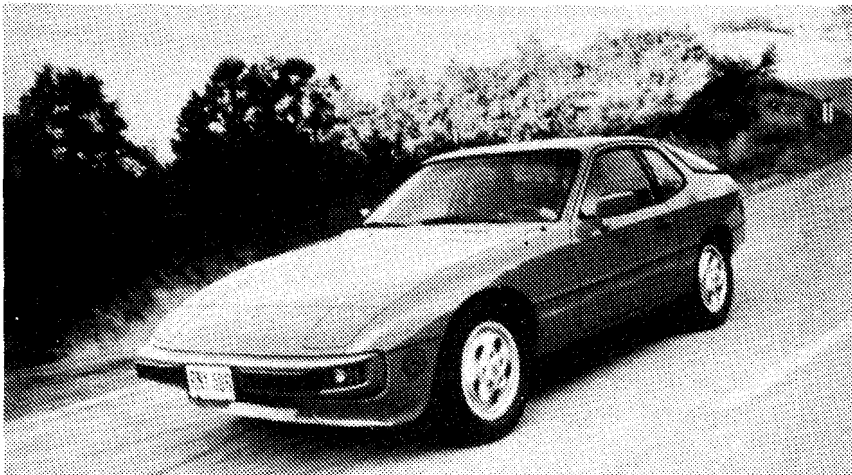
photo by Steve Lodge

Carmen Shepard plows through the cross country streams with determination. The arroyo scenery provides a backdrop for several of the Beavers' home meets.

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SPORTS

Water Polo Lost

-Mikasa Saga Continues

by Skip Schotte

This is the tale of the lost Beaver children, how they became lost, and the happy reunion when they found their way home.

One day, Big Daddy-Dodd Beaver took all of his little Beavers to the water polo tournament in the land of Chapman in the city of Orange. He sent some of the little Beavers ahead and followed closely behind.

Unfortunately, the evil-doers of Chapman had hidden the water polo tournament two blocks from their school and created a false Chapman five miles to the north of the original. The first crew of Beavers fell into the trap and became very lost at the bogus Chapman. Needless to say, there was no water polo tournament there. At this point, the lost Beavers noticed that both goalies and most of the starters were in their crew, and they were dismayed.

Big Daddy-Dodd Beaver was forced to start the first game (against Loyola) with some young, untrained Beavers, and he was dismayed. Caltech's answer to Typhoid Mary played goalie, and he was sick.

Eventually the little lost Beavers thought very hard and overcame the mystic illusions of the false Chapman. When they finally found the water polo game, they found it long out of hand because "Typhoid Mary" had failed to block a single shot. And so the game was pronounced to be a learning experience for the untrained Beavers.

Later that same day, still disorganized and dejected from the first game, they were easy prey for the hungry Oxy Bengals. This game was pronounced a learning experience for even the highly trained Beavers.

The Beavers returned home to rest in preparation for the next day,

Soccer

from page 8

players while Kleber Camacho, Derek Ney, and Bineet Sharma cleaned the defensive flanks.

Thirty-three minutes into the game, Flavio Noca, Fleming's brilliant left half-back, boomed a free kick from 35 yards towards the La Verne net. His shot proved too hot for the keeper to handle. John Josephson slammed the ball from the rebound off of the goalie into the net for a Caltech goal. The Beavers held this lead to the half.

Things got rough in the second half. The players on both sides lost respect for the referee's constant whistling. The Leos were in the unusual (and quite unacceptable to their coach) position of being down to Caltech. This started a whining among the La Verne players that would not cease until the final whistle.

In addition to the whining, La Verne tried to use their much greater size as a substitute for the soccer skills that were lacking that night. Tech went up two goals to

Caltech Arrests Outlaw

-Win Streak Extended to Fifteen

by Mike Lupica

The name of the game was defense as the Caltech Battlin' Beavers football team extended their winning streak to fifteen games by defeating the Los Angeles County Outlaws at the Beaver Season Opener here last Saturday. The Caltech "Beaver Dam" Defense held back the tide of hard-hitting Outlaws on crucial plays and sealed the victory for Coach Lin Parker's squad.

Caltech scored first on their second possession of the game as tailback Vince Riley, cutting back against the grain, scored from eight yards out. (Kick failed) The Outlaws drove next into Beaver territory but the Beaver Dam Defense held tight and the visitors had to settle for a field goal.

The Outlaws proved to be a punishing defense in their own right, for several plays later a Steve

Collins pass was batted, intercepted, and taken in for a touchdown to give the Outlaws their only lead of the game, 6-10.

On the next Beaver possession, however, Collins went to work, piloting the Beaver offense to the 17-yard line in the final minute of the first half. Here, Collins threw to his tailback, and Riley earned the second of his two TDs for the day, putting Caltech on top 14-10. Nate Inada (DB) halted a late Outlaw drive with an interception.

Caltech had to punt on their first possession of the second half, but their solid defense stuffed the visitors deep in their own territory. The outstanding defensive debut of newcomer Larry Meeks (FS) contributed several key plays. When the Outlaws' punt snap went awry, the ever-present Daren Casey (DE) recovered it in the end zone for a quick six points. (Kick failed) With the stellar performances of Steve

Roskowski (DE) and Mike Burl (DG), who combined for several sacks, the Beaver Defense kept the pressure on.

Freshman phenom Dwight "Ice" Berg (DB) stifled an Outlaw drive in the third quarter, intercepting a pass over the middle and returning it 30 yards. Martin Brouillette (FB) capped this Beaver drive by galloping his way to yet another touchdown on a three yard run to make the score 26-10. (Kick failed)

The Outlaws were down but not out. On their next possession they drove into Beaver territory and scored on a pass to their tight end. (26-17) The ensuing kickoff was mishandled by the Caltech crew and the Outlaws had possession deep in Beaver territory. Once again it was up to the defense to preserve the lead, and the Beaver Dam came through; the Outlaws settled for a meager field goal.

Going into the fourth quarter with a slim six-point lead, the battered Beavers were continually assaulted up front by the Outlaws and turned the ball over. Now with just minutes to go in the game, the Beaver Dam was called onto the field once more. Held together with sticks and mud, and spit and blood, the Dam held again. The Outlaws called on running back Jack Purnell, but a hammering hit by linebacker Tim Cotter backed up by Dave Brinza (DT) and Don Thomas (FS), jarred the ball loose. The Beavers took possession of the ball and held onto it for the victory.

Tomorrow the Caltech Battlin' Beavers (1-0) face the Riverside Rams at Caltech. Come on down to the Fox Stanton Memorial Track and Field to watch another bone-jarring day of football as the Beavers try to extend their winning streak to 16 before taking their schedule on the road.

for they knew they were to come face-to-face with the evil-doers responsible for the illusion: the water polo team of Chapman.

Immune now to the evil magic, the Beavers were not fooled by the bogus Chapman, and they met and defeated the evil-doers once again.

Then they were confronted by a junior varsity team sent by Claremont. Oh, foolish ones that sent a junior varsity team before the Beavers, who swum them up and down the pool relentlessly. Again and again the Beavers scored. They showed them no mercy. They chewed them up and spat them out. They twisted them over their knees, and — but I digress.

The Beavers returned home with two victories and two losses. On Wednesday, they waited patiently for the delayed PCC team. Had the Beavers used a little evil magic of their own? We may never know.

The game was tied at the half, but PCC carried it away in the second half. All the Beavers wished that games were only 14 minutes long.

The Beavers record now stands at 6-6 as they prepare to face ... the Beavers? This Saturday, old and wizened Beavers return to the land of their youth to challenge the young Beavers.

Be here at 10:00 am to see the alumni game!

nil at 67 minutes with Ney popping one in from the mid-field stripe.

La Verne began a twenty-minute power play in the second half as Paul Cabral was sent off for allegedly making an obscene gesture towards the official. Five minutes later, La Verne drew Ney, the perennial defensive scoring threat, into a fight. The referee, being screened from a La Verne punch, sent only Ney to the showers. La Verne were up by two men. And down by two goals.

They were thereby able to get a powerful shot on goal. Doug Roberts made a spectacular save, diving to his left and proving his goal-keeping capabilities to the coach. Unfortunately, Stein was still the Tech keeper at the time. La Verne scored the ensuing penalty kick.

Thanks to several contorting saves by Stein during the remainder of the match, the Caltech side left La Verne as victors. Their next game is this afternoon at Whittier.

The Beavers split with the Poets last year and are favoured in this afternoon's contest.

WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	10-10	3:00 pm	Soccer	Whittier	Whittier
Fri.	10-10	6:00 pm	Women's Volleyball	Redlands JV	Redlands
Sat.	10-11	9:30 am	Cross Country	Pomona-Pitzer & Whittier	La Verne
Sat.	10-11	10:00 am	Water Polo	Alumni	Caltech
Sat.	10-11	1:30 pm	Football	Riverside Rams	Caltech
Sat.	10-11	2:00 pm	Women's Volleyball	Pacific Christian	Caltech
Tue.	10-14	8:00 pm	Women's Volleyball	Pacific Christian	Pacific Christian
Wed.	10-15	3:00 pm	Soccer	Occidental	Occidental
Sat.	10-18	9:30 am	Cross Country	C. S. San Bernardino, The Masters & Pepperdine	Caltech
Sat.	10-18	10:00 am	Soccer	Pomona-Pitzer	Caltech
Sat.	10-18	2:00 pm	Women's Volleyball	Whittier J.V.	Caltech
Sat.	10-18	7:00 pm	Football	Rio Hondo Leadership Acad.	Rio Hondo Academy
Sat.	10-18	All Day	Water Polo	C.I.T. Classic Tournament	Caltech

CALTECH public events

AN AMERICAN LEGEND COMES TO CALTECH!

Burl Ives, America's master balladeer, will perform in Beckman Auditorium, Saturday, October 11 at 8 P.M. With his twinkly eyes, gray-white beard and mellow sound, Burl Ives leads a spellbinding pilgrimage through the rich realm of balladry. His pure, gentle voice and guitar have made him a legend in his own time. This familiar and beloved image of American popular life will bring back memories in an evening of unforgettable entertainment.

CIT student tickets are priced at \$11.25-10.00-8.75; rush tickets at \$6.00 each go on sale Saturday at the Caltech Ticket Office from 1 P.M. (Limit 2 tickets per CIT student I.D.)

Next week brings a unique production of Moliere's 'Le Misanthrope' to Beckman Auditorium on Saturday, October 18 when the Compagnie Claude Beauclair presents this play entirely in French. CIT student prices are \$6.25-5.00-3.75; CIT faculty and staff prices are \$10.50-8.00-5.50 for advance sales and TECHTIX on Friday between noon and 4:30 P.M. for \$6.25-5.00-3.75. (Limit 2 tickets per CIT I.D.)

On Sunday, chamber music enthusiasts will delight in an all Scarlatti program by harpsichordist Patrick Lindley at 3:30 P.M. in Dabney Lounge. This concert is free of charge.

For further information on the exciting Caltech Public Events, call campus extension 4652.

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WHAT GOES ON

College Fiction Contest

Playboy magazine is now accepting entries to its annual College Fiction Contest, open to all registered college undergraduate and graduate students. The writing competition offers a cash prize of \$3,000 and publication of the winning short story in the October, 1987 issue of *Playboy* magazine. Entry deadline is January 1, 1987, and full rules are available in the October issue of *Playboy*, and may also have been sent to the Humanities office (there is some doubt at this writing).

Swedish Scholarships

Scholarships for \$500-\$1000 are available for 1986 from the Swedish Club of Los Angeles. Qualified applicants must be full-time university students living in Southern California, of verifiable Swedish descent, strong academic qualifications, economic need, and be U.S. citizens or permanent residents. To apply, send your résumé to:

R. W. Jackson
1250 E. Walnut St., Suite 210
Pasadena, CA 91106
Deadline is November 14, 1986.

Chicano Scholarships

The National Chicano Council for Higher Education is offering 20 fellowships to juniors who are interested in pursuing a doctorate and academic career in a science-related field. Each fellow is sponsored for 3 years. Sponsorship amounts vary. Applicants must be Hispanic citizens of the U.S. for further information call (714) 856-6463 or write: Dr. Eloy Rodriguez, Director, NCCHE Science Fellowship Program, International Chicano Studies Program, School of Biological Sciences, TR56, University of California, Irvine, CA 92717. Application Deadline is November 15, 1986.

... And EE Scholarships

The Northrop Corporation has established a \$3,000 scholarship at Caltech for the 1986-87 academic year. The scholarship is open to juniors in Electrical Engineering with at least a 3.3 GPA and a career interest in the defense aerospace/electronics industry. The applicant must be a U.S. citizen, a resident in geographic proximity to the Northrop facility and must not be a concurrent recipient of another company's scholarship.

Applications are available in the Financial Aid Office at 515 S. Wilson. The deadline is 4:00PM Friday, October 31.

(If you are receiving need-based financial assistance, receipt of this scholarship could lower your "self-help" aid by as much as \$1,750.)

Med Scholarships Too!

The Army Health Profession Agency is offering 350 scholarships to students planning to attend medical school. To qualify you must be a full-time student, a U.S. citizen, and under the age of 35 when you enter medical school. Students who accept the scholarship will become members of the Army Reserve and required to attend 45 days of Active Duty Training per year they are in the program. The scholarship pays 100% tuition, books and fees, and provides a monthly stipend. There is no obligation attached to submitting an application. Deadline is December 1 for 1-4 year scholarships. To apply write to:

U.S. Army Health Professional Support Agency

1600 N. Broadway, Suite 300
Santa Ana, CA 92706-3954
or call collect (714)836-2355. Additional information is available in the Financial Aid Office at, you guessed it, 515 S. Wilson.

Expensive Lunch

Art Direction and Design in Orange County (ADDOC) is presenting a Future Style conference on October 18, including a keynote address by Ray Bradbury, and talks by other notables, including JPL's Dr. Jim Blinn. The guest presenters will explore future directions in their areas of communications. The conference will address changes that are occurring in graphic design, advertising, computerized animation and music.

Future Style will take place on the campus of U.C. Irvine at the Nelson Research Auditorium and costs \$60 general admission, including lunch.

Art Direction and Design in Orange County, P.O. Box 7584, Newport Beach, CA 92660. (714) 675-3269.

GEM Fellowships

The National Consortium for Graduate Degrees for Minorities in Engineering, Inc. (GEM) is accepting applications for its fellowship program which will provide 125 fellowships to minority students in engineering for 1987. Application is open to those falling into the groupings of American Indian, Black American, Mexican American or Puerto Rican, who are U.S. citizens. At the time of application, the minimum academic requirement for the student is enrollment in the junior year of undergraduate study in one of the engineering disciplines. Those presently in their senior year or recently graduated are also encouraged to apply.

Each fellowship participant must work as an intern for a member employer in the program and must complete the academic work for the master's degree at one of the member universities. There are 50 member employers and 50 member universities in the program at this time. The fellowship includes a stipend of \$5,000 per academic year plus a salary for summer internship as well as free tuition.

Applications must be received by December 1, 1986. Awards will be announced by February 1, 1987. Information and applications may be obtained from: GEM, P.O. Box 537, Notre Dame, IN 46556.

Neural Net Fellowships

[CNB]-Science Applications International Corporation (SAIC) of La Jolla, California, has pledged \$75,000 to Caltech to fund a three-year graduate fellowship program at the Institute. The Science Applications International Corporation Fellows will work in the field of neural computing and neural networks, under Dr. John J. Hopfield, who is the Roscoe G. Dickinson Professor of Biology and Chemistry at Caltech.

Neural computing is a radical new approach to computing architecture, in which information is stored and processed in ways similar to the human brain. Such neural systems hold the promise of being less fragile and more capable than digital computers of handling the kinds of complex, "fuzzy" problems at which the brain excels. Caltech's Dr. Hopfield is a pioneer in developing theories that make possible construction of neural computers and allow scientists to better understand biological neural networks.

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WHAT GOES ON

Announcements for *What Goes On* must be submitted on an announcement form (available outside 107 Winnett) or on a plain piece of paper. Please indicate the date(s) you want the announcement to run. Send announcements to 107-51, or put them in the mail slot in the door of 107 Winnett.

Announcements must be received by the Tuesday prior to publication.

Misanthrope at Beckman

Moliere's comedy *Le Misanthrope* will be performed entirely in the 17th century classical style and in French by the Compagnie Claude Beauclair, Saturday 18 October at 8PM in Beckman Auditorium.

The Compagnie Claude Beauclair, from France, is dedicated to bringing the works of Moliere to audiences around the world in the original language of the plays. In *Le Misanthrope* they have made an effort to expose the real situations suggested by the play and to throw light on friendship, love, jealousy, social structures and psychological realities.

CIT student tickets are priced at \$6.25/5.00/3.75. Rush tickets at \$6.00 go on sale the day of the event. Faculty and staff tickets are \$10.50/8.00/5.00. Faculty and staff who visit the Ticket Office between noon and 4:30PM Friday can buy tickets at the student rate.

STRIVE Meeting

STRIVE (the Society To Reduce International Violence on Earth) will have its first meeting of the year, welcoming new members and laying out plans for the coming year. The meeting will be in Clubroom 1 (upstairs Winnett) at 8:00PM on Wednesday the 15th. All welcome. For questions, please contact Hasok Chang, 1-59, 792-2659.

Harpichord in Dabney

Harpichordist Patrick Lindley launches his 37th season of free Dabney Lounge Chamber Music Concerts, Sunday, Oct. 19 at 3:30PM.

Works by Scarlatti will be included on the program.

Lindley received his Masters of Music Degree in Harpichord from the New England Conservatory of Music. He was the recipient of the Frank Huntington Beebe Scholarship for study with Tom Koopman, Gustav Leonhardt and Nadia Boulanger in Europe. In addition to performing in over 30 states in the U.S., Lindley has performed in England, Scotland, Germany and the Netherlands.

Admission to this concert is open to the public, free of charge. For information, call x4652.

Truman Scholarship

Sophomores interested in a career in government are eligible to apply for the 1987 Harry S Truman Scholarship. Each scholarship covers eligible expenses of tuition, fees, books, and room and board, to a maximum of \$6,500 annually. To qualify you must be nominated. To apply for nomination you must be a full-time student, have at least a B average and be in the upper 1/4 of your class, be a U.S. citizen or U.S. national, and have selected a major related to public service.

Applications are available in the Financial Aid Office, 515 S. Wilson, and must be returned to the office no later than November 14, 1986.

Musical Meeting

This year's lavish Caltech Musical is *How To Succeed In Business Without Really Trying*. The first Drama Club meeting and organizational meeting for the musical will be held Sunday, 12 October at 2PM in Winnett Lounge. We need/want/crave students to help with fund-raising, producing and planning.

How To Succeed... has won the Tony and New York Drama Critics Circle awards, as well as a Pulitzer Prize. Liz Oberstein will be choreographing again this year.

This looks to be a great show—get involved now!

Renaissance People

The Caltech Medieval/Renaissance Society will hold its first Fall meeting on October 19th (Sunday) at 3PM in the Y Lounge, Winnett Student Center. All students, staff, faculty, etc. are welcome. Contact Amy Carpenter at 794-2612 for more information.

Ahem!!!

Last senior ditch day a counter-stack was left in the APH/EE Library (under the desk). It is still here—anyone wishing to claim this item please see Pauls—in the APH/EE Library, 114 Steele.

Road Hockey

The Caltech Canadian Club is starting its 1986-87 road hockey season. We play on Saturday mornings at 9 am in the parking lot north of Watson. If you would like to play, come on out! We have spare sticks. Non-Canadians welcome too. For more info, call Malcolm Butler, x4666.

Another Kind of Troll?

The Caltech Gamers would like to introduce you to the *less* familiar kind of troll, a kind that avoids sunlight, talks in grunts, eats disgusting things, lives in holes...hmm, maybe there isn't such a difference after all. Anyway, stop by Clubroom 1 of Winnett on any Friday night to join in an evening of science fiction and fantasy games, and to get together to schedule things that can take place on other days or nights. The Gamers have been involved in activities ranging from the simple playing of games to actual design and publishing. Undergrads, grads, faculty, staff and total strangers welcome.

Numismatic Society

A coin auction on October 15 will inaugurate the new season for the Caltech-JPL Numismatic Society. There will be many bargains among the choice numismatic material offered at the sale. Enthusiastic bidders seeking to enhance their collections will be able to consider items from old pennies to silver dollars.

Meetings are held the third Wednesday of each month at 7:30 pm in room 168 of the Church Laboratory Building on campus. All Caltech and JPL personnel with their families are invited to attend.

Student Shop

Anyone interested in being a member of the student shop this year should come to the shop this Saturday at 1 pm. The shop is located under Winnett Student Center. We will issue new keys; come prepared to spend an hour cleaning up the shop. Contact Steve Waltman, R1 57, x6173 if you have any questions or problems.

Bridge, Bridge, Bridge!

Bridge is back! At least the Bridge Club is. Here's your chance to have fun, meet new people and play. We play duplicate at 7:00 pm on Monday nights in the Red Door Cafe. Beginners to experts, faculty, staff and students all welcome. We are ACBL sanctioned, so you can earn master points! Don't miss out on the game of the '80s: Bridge! Questions: Call Jeffrey (x4544, 793-0814) or Jennifer (x4302) or write Jeffrey Pugh, 205-45.

Jazz Improv Class

The Jazz Improv class will begin this Saturday, October 11 at 10 am in the Instrumental Music Office. The office is located in the basement of Winnett Student Center, across from the student shop. The class is open to all members of the Caltech community. All instruments and all levels will be welcome. For further information, please call Bill Bing at (213) 684-8964.

Tennis Tournament

It's time for the third annual XHMEIA (pronounced "Kem-ee-ah") Single Tennis Tournament! It's a round-robin tournament open to the CIT/JPL community, with a wide variety of categories and levels of competition. All entries are broken up into small groups to play round robin matches, and those with the best records will advance to a finals round. The main matches will run from October 20th to November 23rd, with the final matches to be played on December 6, 7, 13 and 14. There is a small entry fee and trophies will be awarded. Contact Dan Zirin (356-6011 or mail code 127-72) for more details. Entry deadline is Wednesday, October 15.

CIC Fellowships

The Committee on Institutional Cooperation Minorities Fellowship Program is offering 40 fellowships to members of underrepresented minority groups seeking PhD degrees in a wide variety of fields in the areas of Social Sciences, Humanities, Sciences, Mathematics and Engineering. The member universities are the midwestern Big 10 plus the University of Chicago. (If you don't know who's in the Big 10, find a sports section—this is football season).

Each CIC Minorities Fellowship is for four academic years. For 1987-88, each award will pay full tuition plus a stipend of at least \$7,000. The eligibility is kind of complicated, so contact them as early as possible. Application deadline is January 7, 1987. Write: CIC Minorities Fellowships Program, Kirkwood Hall 111, Indiana University, Bloomington, IN 47405, or call toll free (between 6 am and 1 pm Pacific time) (800) 457-4420.

Want to Join a Band?

In case you haven't heard, the Caltech Jazz Bands and Wind Ensembles have started to rehearse. But there is still time to join these groups. Just call Bill Bing at (213) 684-8964 for further information.

continued on page 11

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