

Defiant Techers gather around symbolic bonfire in support of Our President.  
Photo by Sheehan.

### ASCIT of Massey

## BOD Glitches Budget

by Philip Massey

Last Sunday's BOD meeting was relatively painless, as such things go. The budget was approved in record time, due primarily to Peisner's efforts and the fact that the BOD needed to save \$70 instead of \$2000. (Well, close enough...) Everyone got more or less what they wanted, except for the Student Shop and the Ceramics class, for different reasons. (The BOD kind of forgot about the student shop, and there was doubt as to exactly how necessary the ceramics request was.)

Aside from such thrilling events as the approval of the minutes (three at once) and the discovery that the van was being purchased from the robot in *Get Smart*, the BOD also gave ASCIT support to the new musical. Dr. Harold Brown has accepted an offer to chair a meeting sometime soon, and there are by-laws changes about to be voted on. There will be a design a seal contest soon.

The next BOD meeting is this Sunday at 3. Since there are no agenda items, it promises to be a very short meeting.

### News Briefs

## Big T Successfully Revived; Outlook Hopeful

The *Big T* is alive and well now, at the expense of four editors' and a business manager's GPAs. If you would like to get in on the fun, you, too, can join the staff and benefit from numerous G&C rights. And if you're a frosh, your GPA won't be affected (at least not this year).

The first knock-down, drag-out staff meeting will be held at 2:00 Wednesday in the Student Publications offices in Winnett. If you're interested but can't make it to this meeting, please leave a note in Bob Kieckhefer's mailbox in Dabney. There may be a staff party shortly...

### Come See Where '92 Graduates Hide

Open House will be held this Sunday (Nov. 4) at The Child Development Center for Caltech Families from 2-5 p.m. Students are especially welcome; the Center is looking for students who would want to work with the children from time to time, and this would be a good day to case the joint. "The joint" is on the southwest corner of Chester and

Del Mar.

### Brass Choir Tryouts

The Glee Clubs need a brass choir for the two evening performances of the Festival of Light (Nov. 30 - Dec. 1). The Choir will consist of two trumpets, two trombones, and a base horn or baritone. Interested players are invited to contact Harry Finklea (Mail Code 131-30, ext. 2531) and to come to the tryouts in the Glee Club Office (Fleming Basement) on Tuesday, Nov. 6, at 7:30-8:30 p.m.

### Folk Mass

Newman Folk Mass this Sunday, Winnett Lounge, 7:15 p.m. Refreshments after, all are welcome.

### The Shadow Moves West

Caltech's answer to a literary-art anthology is still collecting short stories, poetry, photographs, and what-have-yous for a

# Beavers Cap RF Disaster, 42-0

by Robert Doublin

Last Saturday morning at the abominable hour of 10, Caltech completed its demolishing of the Claremont-Mudd J.V.'s. The final score was 42-0. This is the biggest winning margin since 1956 when Tech demolished Cal Baptist 67-0.

Things got off to a quick start in the first quarter after Claremont fumbled to us on their 42. After giving up the ball on a punt, the Beavers forced them back to their 7 and then took over on the 11 when a punt went awry and bounced back-

wards. Norm Nelson immediately hit John Steubs for an 11 yard touchdown pass. An attempted run failed. Less than three minutes later fake punt failed and Tech took over on its 38 yard line. Two plays later, Nelson hit Greg Hout for a 39-yard, touchdown. The pass conversion to John Steubs was good for 2 points. Then, after a combination of 28 yards in penalties and 9 yards in sacks, the wrecking crew of Haywood Robinson, Tom Trinko, and Frank Hobbs tackled the quarterback in the endzone for a 2 point safety. After one

quarter, Caltech 16, C-HM 0.

In the second quarter, John Steubs got things underway by returning and interception 10 yards to the CHM 34. Three plays later Nelson hit Hoit for another 39 yard touchdown. The conversion failed. Then after Bruce Harrow recovered a fumble, Neal Askew set up a 6 yard touchdown pass from Nelson to Steubs by running 35 yards to the C-HM 7 yardline—the longest run of the season. The conversion failed. Halftime score: Caltech 28, C-HM 0.

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# The CALIFORNIA Tech

Volume LXXV

Pasadena, California, Friday, November 2, 1973

Number 7

Winnett Bull Session

## Mideast Crisis Debated

by David Callaway

This past Wednesday in Winnett, a discussion was held on the current Middle East crisis.

The first speaker, Paul Thomas, began by saying that he believed the war was started October 6, Yom Kippur, by the Arabs. He stated that the war was definitely very different from the 1967 war, the major difference being that "the Egyptians had M-6's and M-7's and were able to work under the umbrella of these anti-aircraft missiles... in order to counter-attack, the Israelis had to bring up their aircraft... it was definitely not going to be a 6 day war." He said that "the Israeli force reported that they had broken through the lines and overwhelmed the Syrians, yet the reports show that they remained

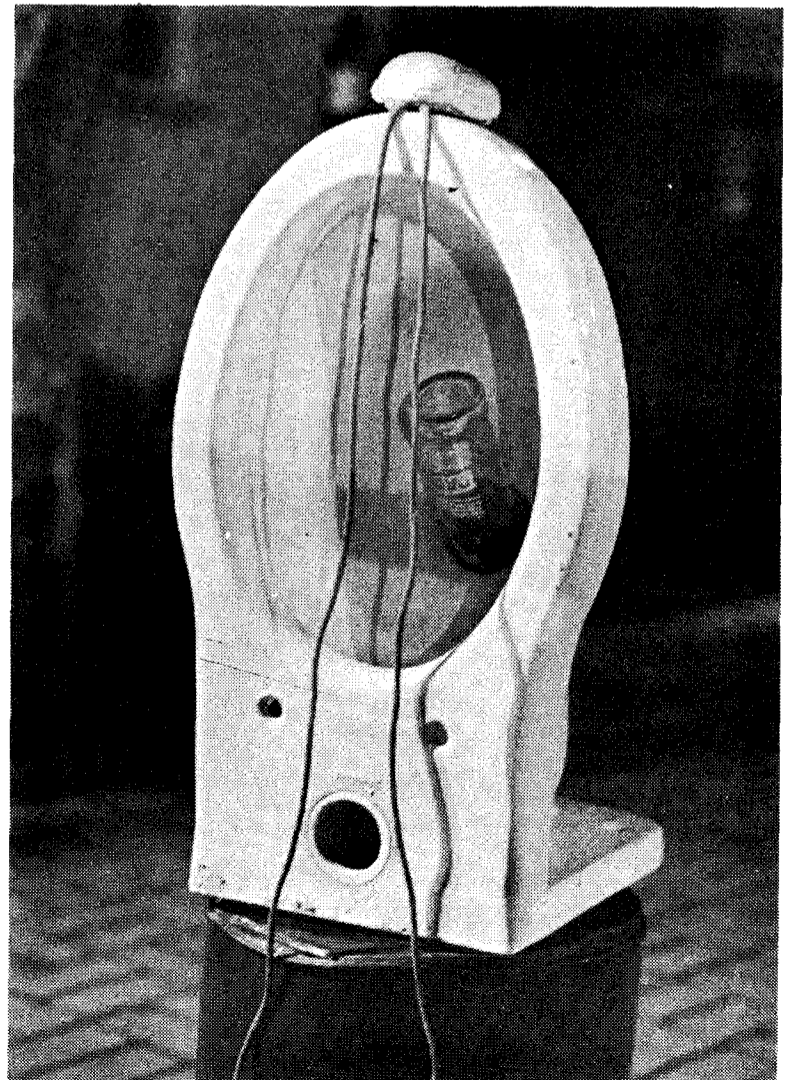
the same number of miles away from Damascus." He then attempted to analyze the war in terms of three criteria—the rational act basis for attack, bureaucratic pressure to attack, and the political need to attack. He stated that these ideas came from a book called *The Essence of Decision*, by Malleon. Sudan was under considerable pressure to attack Sinai, and had to stay in power. Hence "acts are often less rational than leaders. Often times bureaucracies are outmoded and pressure countries into wars. There is a third way of looking at this, the most inflammatory way, and that is the political way. What political-

ly did the leaders have to gain? . . . Why did the Arabs attack? They were probably more political reasons than military reasons . . ."

The next speaker, Horace Gilbert, stated that he believed that the "problem of the Palestinians is in the heart of the whole affair, and is so intricately woven into our lives that a real solution is only finding out how to live with this problem." He stated that the Russians were receiving oil from Arabia for trade, and then ships it to western Europe. "I think a solution to this problem lies in Pasadena, in the JPL. They are

Continued on Page Seven

## Scurves Got Culcher



One of the featured exhibits in the David R. Smith Memorial Sculpture Garden, located in Ricketts Courtyard.  
Photo by Middlebrooks.

Fall's *Totem*. Items can be submitted to Philip Massey (Rud-dock), or left with Flora in Winnett.

### AFROTC Presents

Two pilots from Reese AFB will make a presentation on flying and flying training in the USAF. Refreshments will be served at the briefing held on Monday, November 5, 1973 starting at 7:30 p.m. at the AFROTC building next to the Athenaeum tennis courts. All are welcome.

### Model UN Meeting

An organizational meeting for the Model United Nations of the Far West Conference, to be held at Oregon State University in the Spring, will take place Monday, November 5, at 7:30 p.m. in the Y lounge. All interested students please attend.

### Halloween at Cinematech

This Saturday evening, Cine-  
Continued on Page Seven

*Editorial*

# Nixon Must Go

It is not clear to us that many people have read or paid much attention to the document that justifies the independent status of the United States of America. Of particular importance are the first three sentences of the second paragraph of the Declaration of Independence:

*We hold these truths to be self-evident, that all men are created equal; that they are endowed by their Creator with certain unalienable rights; that among these are life, liberty, and the pursuit of happiness. That, to secure these rights, governments are instituted among men, deriving their just powers from the consent of the governed; that, whenever any form of government becomes destructive of these ends, it is the right of the people to alter or to abolish it, and to institute new government, laying its foundation on such principles, and organizing powers in such form, as to them shall seem most likely to effect their safety and happiness. Prudence, indeed, will dictate that governments long established should not be changed for light and transient causes; and, accordingly, all experience hath shown, that mankind are more disposed to suffer, while evils are sufferable, than to right themselves by abolishing the forms to which they are accustomed. But when a long train of abuses and usurpations, pursuing invariably the same object, evinces a design to reduce them under absolute despotism, it is their right, it is their duty, to throw off such government and to provide new guards for their future security.*

And then there is the justification for the existence of the current government of the United States contained in the preamble to the Constitution:

*We the people of the United States, in order to form a more perfect union, establish justice, insure domestic tranquillity, provide for the common defense, promote the general welfare, and secure the blessings of liberty to ourselves and our posterity, do ordain and establish this Constitution for the United States of America.*

It is somewhat clear that in time of war, the overriding duty of government must be to provide for the common defense. But when peace breaks out, the other five justifications are the only excuse for retaining the government—unless, of course, the government can provide an obvious enemy to threaten the nation.

This the government has done for forty-one years. Accretion of power by the executive branch of government began in 1933 with a War on Depression. It continued through a World War, a Cold War, a Korean War, a Vietnamese War, a War on Poverty, a War on Crime, and even toyed with the idea of a War on Pollution. Two generations of Americans have grown up in a constant state of war and preparation for war. Two generations of Americans have no reference point for what a peace-time government should be.

Mr. Nixon and Mr. Kissinger seem to have been instrumental in bringing about an apparent peace. Mr.

Nixon has continually disavowed war as a weapon in international disputes. Yet, somehow, his Administration has developed what some columnists and reporters have termed a "seige mentality."

What seems to have happened is that War has become domestic in practice, and all-pervasive in scope. There are people (believe it or not) who dismiss the Watergate affair as a "second-rate burglary." There are people who believe that the freedom of the press should be diminished. There are people who believe that the impeachment of a President would be a strain that the nation could not weather.

Why?

What is it about the Presidency that disallows removal? It is clear to us that Mr. Nixon is no longer (if he ever was) qualified to lead the nation. If he is willing to diminish the office to what it was intended to be (that is: to function in the single capacity of executing laws established by Congress), that is well and good. But he shows no sign that this is the case. Mr. Nixon has resorted again to brinkmanship, a denial of principle, and political huckstering in the following cases: 1) Calling an alert of American forces for reasons that have yet to be explained, 2) Releasing the Watergate tapes out of desperation, 3) Nominating a man for vice president on the basis of friendship and longitude of Congressional service rather than qualification to lead a nation.

In addition, Mr. Nixon's Administration has obstructed justice, conducted illegal breaking and entering, continued a war that became illegal after the repeal of the Tonkin Gulf Resolution, and impounded appropriated funds. For these reasons, plus the fact that we can think of no reasons that Mr. Nixon should remain in office, we recommend that Mr. Nixon be removed from office.

—Dennis L. Mallonee  
Gavin D. Claypool  
Eric H. Eichorn

## FORUM

I really don't know quite where to begin. There's been this nebulous feeling I've kind of had for some time now that there is an increasing tendency around here to surprise people... or at least a growing trend of people being surprised. Admittedly being surprised (such as running into a giant octagon one morning at 9 a.m.) can help alleviate a week of heavy trolling and the like, but nevertheless, it seems to me that some of the resulting unhappiness that seems to occasionally result from these surprises could be reduced by not having them be... well, quite so surprising. I'm not sure what causes people to be surprised—whether their disinterest in finding out about things before hand, or if there is in fact a real communications problem—but they are being surprised, and seem to be reacting badly to a lot of these surprises.

Almost a year ago Throop was being demolished and people were wondering what was going to go into the resulting hole. Along about second term some-time petitions suddenly appeared condemning the proposed immense concrete steps. This was the first time most people knew about the plan—and the resulting opinion expressed certainly indicated they cared about the matter, and did influence the final decision in favor of the student plan. If people had

Continued on Page Six

### ANNOUNCING:

The first annual **STAND UP FOR NIXON CONTEST**. See how many reasons you can think up for having Richard Nixon as President. Compare your answers with your friends'. (We're serious about this, now...) Just fill out the form and bring it by the *Tech* office sometime during the next couple of days. We might just print the best of the bunch.

All the reasons I can think of for supporting President Nixon.

1. \_\_\_\_\_
2. \_\_\_\_\_

Name: \_\_\_\_\_

Campus address: \_\_\_\_\_

### FRANKLY SPEAKING by Phil Frank



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### THE ASCIT FRIDAY NIGHT MOVIE

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in Baxter Lecture Hall

Admission: 50¢—ASCIT members and their guests; \$1.00—anyone else

Next Week: SUPER FLY

# We Aren't Alone

A vocal and concerted effort is needed to remove Richard Nixon from office. The undersigned [college] newspapers, including the *Tech* have endorsed the following editorial, written by the staff of the *Amherst Student*. It is only a small part of a nationwide campaign to successfully impeach President Nixon and bring him to trial.

Constitutional government in the United States may have been suspended at 8:00 p.m. Saturday, October 20. Richard Nixon now rules by fiat and force. He is no longer a legitimate leader.

With callous disregard for his oath of office and the intents of Congress and the Judiciary, the President first refused to abide by a court order to produce Watergate documents. His later turnaround defused the immediate confrontation but can not obscure his repeated abuses of power. He then forced the resignation of the Attorney General and fired his Deputy and the Watergate Special Prosecutor when they refused to condone his conduct. Moreover, the President abolished the office of Special Prosecutor and dispatched the FBI to seal off its records. These decisive and unprecedented actions represent the tactics of a military coup. They are anathema to a rational democratic polity.

Even before these steps were taken, public confidence in the Nixon Administration's ability to govern was at one of its all-time lows. Now this support will deteriorate still further. The mandate of 1972 has been buried in a legacy of illegality, hypocrisy and deceit: San Clemente real estate deals, impoundment of Congressional appropriations, widespread wiretapping, covert Cambodian bombing, and all of the ramifications of the Watergate affair—Milk kickbacks, ITT, the Ellsberg burglary.

When elected officials violate the sacred trust placed in them by the people, the Constitution provides means for them to be impeached and, if convicted, removed from office. These procedures are very difficult to implement and are seldom used. But if ours were a parliamentary system of government, the Nixon Administration would have fallen months ago.

Continued on Page Four

# Epic Style Shows in Lit Seminar

by Karl Kuhlmann

The year is 750. You are at a party, eating and drinking. Of course, every party has some kind of entertainment. Let us pretend that you are the entertainment. You are going to tell for the first time, the epic poem, *Beowulf*. How do you do it?

This was the picture Dr. William Cozart, painted in this year's second humanities seminar. Dr. Cozart is doing his own translation of the epic and illustrated some of the difficulties in interpreting how the epic was originally constructed.

One of the current theories of how such epics come into being involves the storyteller to be an exceptional showman. This storyteller would size up the audience and modify the story to order. The story was probably constructed, anyway, from a folktale that the bard embellished with a sort of set patterns passed from master to apprentice. This method, by the way, still exists in eastern Europe, although it is rapidly dying out. Somewhere along the line, though, *Beowulf* was written down.

The poem itself gives one an indication of what life was like at the time of writing. The analysis of this was the point where Dr. Cozart showed his unique lecture style. Those of you who have heard him speak will know what I mean when I say he held the audience at the edge of their seats, while reading parts of the poem and com-

Continued on Page Seven

Remember,  
You Read It  
Here First

## Take That, Dicke!

# Ingersoll Rides Again

by SMC Sweeney

The latest developments in the Ingersoll-Dicke faculae war were revealed Monday evening in Beckman Auditorium. Under the auspices of the Earnest C. Watson Lecture Series, Dr. Andrew P. Ingersoll gave his relatively famous '72 Frosh camp faculae lecture, updated of course.

After an introduction by Dr. Barclay Kamb, geology division chairman, Ingersoll plunged into a discussion of general relativity and the three experimental verifications of same. In particular, he discussed the "walking" of the perihelion of Mercury's orbit, the fact that the point of closest approach to the sun of Mercury's orbit slowly rotates about the sun instead of remaining fixed.

The "walking" (or precession) can be almost entirely accounted for by conventional Newtonian gravitational theory—the influence of the planets and the equatorial bulge of the sun. But a very small (43" per century) amount of precession cannot be explained by Newton. It is explained satisfactorily by Einstein.

But physicist Robert Dicke of Princeton released data in 1966 which seemed to disprove Ein-

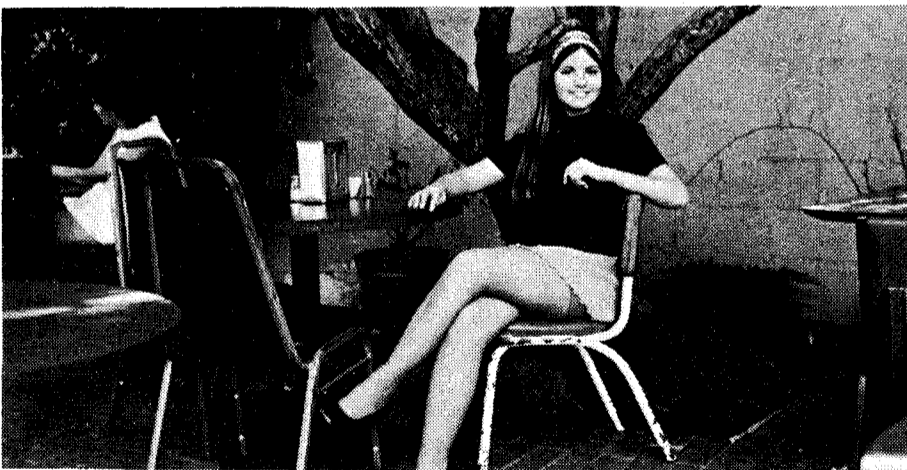
stein. The data showed that the equatorial bulge in the sun was larger than previously thought, which would account for at least part of the extra perihelion precession since relativity previously accounted for the entire extra amount, relativity seemed to be in trouble.

Dicke's experiment in measuring the sun's oblateness essentially boiled down to comparing the brightness of an equatorial diameter to the brightness of a polar diameter. Any extra equatorial brightness could be explained by the extra length of the equator. Dicke, using this method, measured an oblateness greater than previously supposed. But Ingersoll claimed an error in Dicke's procedure.

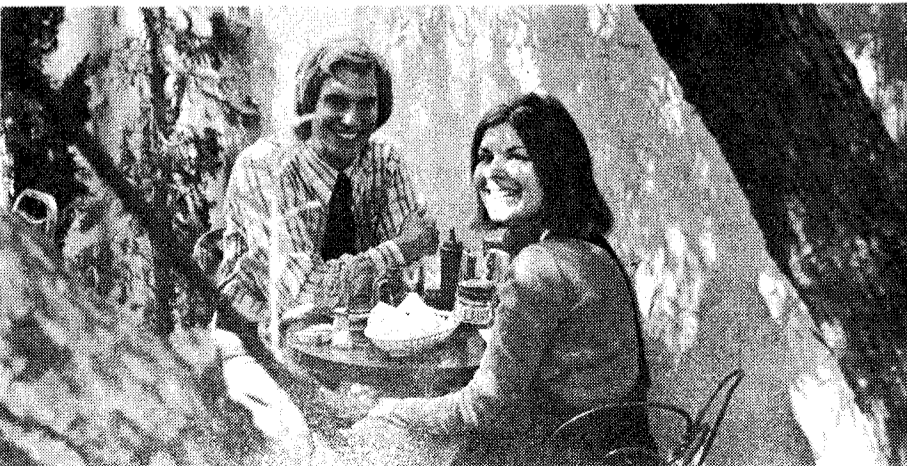
There are bright patches along the equator of the sun called faculae. Faculae do not occur near the sun's poles. Ingersoll claimed that if Dicke was doing brightness comparisons to get the sun's diameter, his results were partly in error because he was seeing more bright faculae on the equator than the poles and they would overestimate the solar equatorial diameter. Ingersoll went back, in fact to solar

Continued on Page Five

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## We're Not Alone

Continued from Page Three

Mr. Nixon cloaks his actions in a veil of legality, but his record as President bares his intentions to forsake rule by law. The President must be impeached. While other judicial and legislative measures would be pursued, no amount of legal double-talk or political timidity can obscure this fact.

There is real question whether the Congress and the Judiciary can force Richard Nixon to deal with them within the confines of the law. But our actions, for the moment, must be based on this premise. Members of the academic community have a special responsibility. They must not simply react to the latest outrage. This serves Mr. Nixon's purpose. Instead, they must articulate the fundamental principles which are at stake. They must impress upon Congressmen and other national leaders the gravity of the situation and their duties under the Constitution. Most importantly, they must communicate the strength of their convictions to the public-at-large and join with others in a nationwide struggle for the preservation of democratic rule.

The methods of response are numerous. Now more than ever, we must write our Congressmen. The balance of mail over the next few weeks will be critical. Sustained public expressions of dissent—no matter what form they take—are equally important. A massive national student effort is essential.

The weeks ahead could represent either the redemption of American democracy or the prologue to its collapse. We remain silent at our own peril.

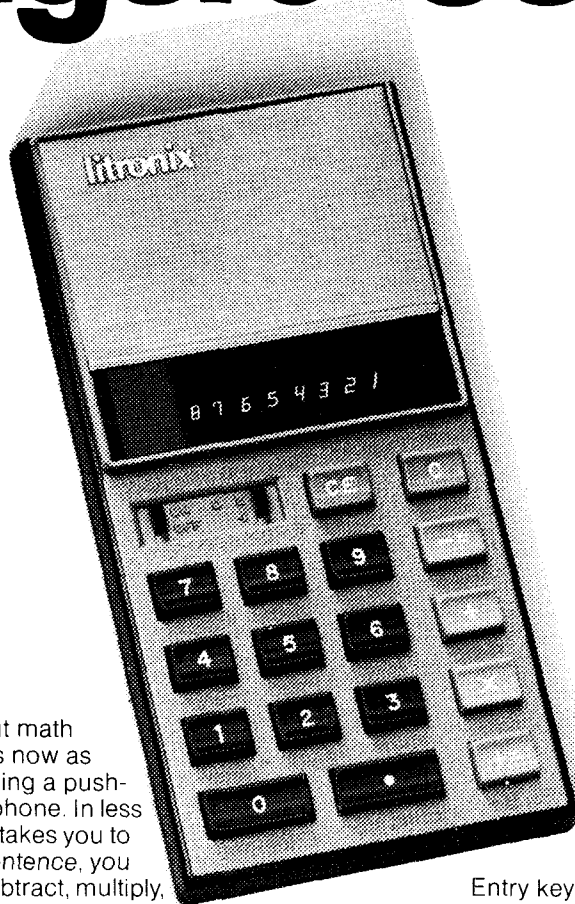
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- DAILY PRINCETONIAN
- THE DARTMOUTH
- DICKINSONIAN
- Duke CHRONICLE
- Chicago MAROON (University of Chicago)
- Clark University SCARLET
- Grinnell SCARLET & BLACK
- Hampshire CLIMAX
- Haverford-Bryn Mawr NEWS
- Iowa State DAILY
- Kentucky KERNEL (University of Kentucky)
- Michigan DAILY (University of Michigan)
- MIT TECH
- NORTHERN STAR (Northern Illinois University)
- Smith SOPHIAN
- Stanford DAILY
- Trinity TRIPOD (Hartford, Conn.)
- Union CONCORDIENSIS

- DAILY COLLEGIAN (University of Mass. at Amherst)
- CAMPUS TIMES (University of Rochester)
- CAVALIER DAILY (University of Virginia)
- Vassar MISCELLANY
- STUDENT LIFE (Washington Univ. at St. Louis)
- Wesleyan ARGUS (Middletown, Conn.)
- Williams RECORD-ADVOCATE
- Wisconsin DAILY CARDINAL (U. of W. at Madison)
- Yale DAILY NEWS
- Kansas State COLLEGIAN

Places to write to urge impeachment:

- 1) Your own congressional representative
- 2) California members of the House Judiciary Committee: Carlos J. Moorhead (R), George E. Danielson (D), Charles E. Wiggins E. Wiggins, Jr. (R). Mailing address for all Representatives is House Office Building, Washington, D.C. 20515.

# Answer figure-outer.

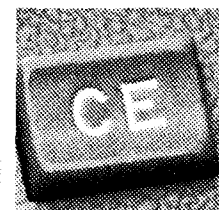


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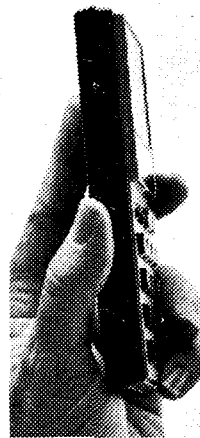
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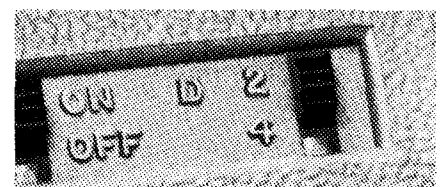
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Coupon Expires December 1, 1973



by Marc Donner

Coming soon to Los Angeles and the Dorothy Chandler Pavilion of the Music Center is the New York City Opera. This is the seventh annual visit by this company and it will extend from November 14 to December 9. This year's series features performances of Anna Bolena, Tosca, Carmen, La Boheme, Maria Stuarda, the Barber of Seville and others. For tickets and information write the Music

Center Ticket Office, 135 No. Grand Ave. LA 90012.

The Icehouse this week will be featuring *The Good Humor Gang!*, (formerly the Devious Good Humor Co.) along with Pee Bee's Variety Show and Tracy Newman. This is Tracy Newman's Icehouse debut with her guitar and singing performances.

The Ahmanson's performances of "Cyrano De Bergerac" have been an enormous success so far and the show is slated to

continue through November 24. This production of the big-nosed Cyrano is being hailed as Director Robert Fryer's latest smash success.

Simultaneous with the end of Cyrano will be the performance (or whatever) of the "November Jam" at the Ontario Motor Speedway. This rock "super-concert" will feature Three Dog Night, Guess Who, Chuck Berry, Canned Heat, Blues Image, Tower of Power, Mag Wheels & The Lug Nutts (nuts to you too) and (whew) Azteca. This will be one of the biggest rock blasts in the LA area this year. Tickets are \$10 in advance or \$12.50 at the gate. For information call David Wallace & Co. at 657-1903.

**Tech About Tech**

Closer to home in the next week or two is Spectrum Production 5, *Eccentricities of a Nightingale* by Tennessee Wil-

liams. The rumor has it that Mr. Williams is on the West Coast and is very interested in seeing this play (his favorite) performed on the stage. He could show up for any of the remaining two performances (tonight and tomorrow night in Ramo).

Also this weekend is the first of the Dabney Lounge Chamber Music concerts featuring the Cal Arts Baroque Ensemble. Despite the fact that Dabney Garden is so torn up the concert should be excellent.

Next weekend in Beckman Auditorium will be Laurindo Almeida and the Laurindo Almeida Quartet performing a mixed concert of modern and classical compositions. Almeida is famous for the understated rhythms of django and bossa nova which he helped establish into a new form of Jazz. (Saturday, November 10)

**Ingersoll**

**Continued from Page Three**  
measurements in 1966, and compared the faculae count to Dicke's brightness results. The correlation between the two was great enough to cast doubt on Dicke's experiment. Dicke rebutted with a claim that "noise" (or random data) in Ingersoll's data might account for part of the correlation, thus lowering it. If the correlation was lowered, Ingersoll's claim would lose credibility.

Noble Dr. Ingersoll was not deterred. He then postulated that there might be "noise" in Dicke's data, which, if eliminated, would give a higher correlation. That is where the controversy stands now. A new solar oblateness experiment is being planned with numerous precautions as a result of the faculae controversy.

Ingersoll admitted to a certain pride in helping stimulate a change in the experimental design. He thinks the controversy will be shortly resolved by the new experiment and is, needless to say, anxiously awaiting the results.

**SPECIAL NOTE:** Surprise, Ay trolls! Ay 101 and 102 are required courses! Would someone please fix the catalog?!

Then you should consider these interesting and important facts about Pratt & Whitney Aircraft.

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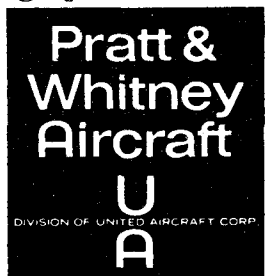
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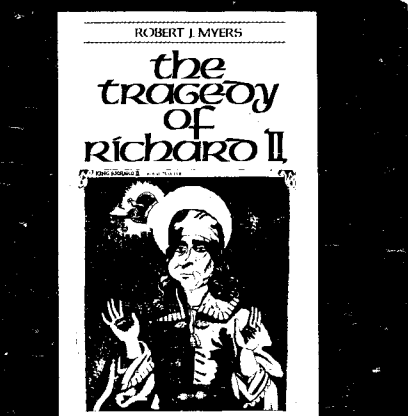
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An outrageous fabrication of the War of the Rose Garden. My attorneys, along with those of Mr. Shakespeare, will see you in court.

—Victor Gold, Former Press Secretary to Vice President Agnew

Something had to come out of Watergate that I could enjoy and "The Tragedy of Richard II" is it."

—John Osborne, Noted Nixon Watcher

Pep up your outlook with *The Tragedy of Richard II*. Paradoxical? Maybe. This satire on the current political scene is plotted along the line of Shakespeare's *Richard II*, a kind of formula Barbara Garson successfully used in *MacBird*. But if the Bard has supplied the plot, Myers has provided up-to-date punch and insightful humor. It's fresh as tomorrow's headline, perennial as a classic, witty, clever, funny, good satire!

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Tim Morgan has always seemed to be one of those performers who always is reasonably good, a nice evening's entertainment, but nothing to drive through a raging blizzard for. His music is good, and always has been. I have seen Tim Morgan quite a few times, though, and therefore didn't expect to be terribly surprised by anything in his recent performance at the Ice House. I was wrong.

The set began with one of Tim's standards, "L.A. Break-down," and right away I realized that things were different. Tim's voice, guitar and style were all normal, but his backup group was different. As the set progressed, I got to enjoying it more and more. The guitarist, introduced as Tholow Chan, was doing the strangest chords and fingering, and somehow getting sort of a classical sound. John Kirchner, the bass player, was using rock patterns, sometimes

playing guitar-like riffs on his bass, with a driving effect. Ron Schwartz, the drummer, was holding all of this together extremely well. With this kind of backing, Tim sang songs like Van Morrison's "Crazy Love," Neil Diamond's "Play Me," and others. Tim did oldies in an audience guessing game, and his group handled all the different styles. On one or two cuts, Tholow and John did some harmonies, something I've never heard before from any of Tim Morgan's backup groups. All in all, this is the best combination I've ever seen for Tim's act. Now there is drive to go with the smoothness of the Morgan style, a force to go with the mellowness. I really like the change, and hope that it is continued.

James Lee Reeves was also on the bill, a singer, songwriter and actor who is slowly becoming known. His music is varied, but primarily sort of John Denverish.

Continued on Page Seven

## Forum

Continued from Page Two

known about the steps back when they were first being proposed, and not when they were about to be built, the planners would have had an inkling of how the community felt about steps as opposed to other alternatives, and things would have gone a lot smoother.

Along the same lines, no one seemed to know about tearing down the Dabney Wall until it was (literally) all over. Supposedly a memo describing the plans went out to "faculty and staff"—in the middle of the summer. Similarly, people returning from summer vacation were a bit surprised to find all their old friends the Security officers gone, and a bunch of strangers in their place.

Last year a decision was made to fire half of Tech's language professors, doing away with all third year courses and various planned and actual "literature in translation" courses. Word reached the Caltech community through the *California Tech*: from a letter written by three students who had learned of the decision from their (fired) professor. Despite the large sentiment against this action expressed by students before the *Ad Hoc* Committee hearing that week the damage had been done, and it was too late for public sentiment to affect anything but the proposed humanities and social sciences requirement changes.

All the annoyance and reaction against the octagon that I have heard have been centered about the manner in which the sculpture was sprung upon the community. Before recently I don't think anyone even knew that there was an Art Acquisition Committee, much less suspected that they were planning surprises. It had been any sort of

effective announcement prior to its... installation... (a memo to the *Tech*, say) such matters as the relative cost of its installation compared to the cost of buying a few pots and pans for the student houses, the question of its location in a heavily student used area, and the argument that someone should perhaps find out how the Caltech community feels about a particular sculpture before plopping it down in the middle of the Olive Walk would have been brought up prior to the fact, rather than after it.

Anyway, all this is just to say that there seems to be this growing problem of being surprised. If it is really a communications problem, it certainly doesn't stem from any one administrative office. Also, I'm not sure what the solution is. Trying to find our student opinion by asking the various student representatives is one way, although it's not clear to me that any BOD member represents any opinion, except his own. (Which does bring up the question of what student representatives are for, other than to be representatives, but let's not go into this, as the answer may be obvious) Possibly if the BOD were told about a few things beforehand rather than after hand, they might be able to poll feelings on the matter, one way or another—or at least inform people that there was a matter to have feelings on. Perhaps better still would be if people who made administrative decisions that affected the community at large tried harder to let the *California Tech* in on their decisions—the *Tech* can always use copy, even memos to "faculty and staff." All I know is that I'd rather not drive off the Olive Walk and find the ramp missing, or run into a wall some sleepy morning, without having some warning.

## Eat Groat Clusters

# If You're Still Alive . . .

by Tim Groat

With this year's food situation, more Techers than ever before are discovering the joys of doing their own cooking. Along with these little joys come some of the problems: staying within a limited budget, staving off vitamin deficiencies, and trying to concoct something reasonably palatable. Fortunately, some people have gone this route already, and their experience is available through these suggestions for survival from last week's Y food seminar.

It seems that people around here are eating about as much as they should be sleeping. Such habits can be expensive if you stick to ordinary snack foods. To keep the costs down, try eating hard boiled eggs. YOU can make a dozen at a time, and store them in the refrigerator—if there's room for them. Other things that are equally inexpensive and don't require cooking are fresh fruits and vegetables.

Snacks which are more conventional include the obvious choice of cold cereal. The kind with sugar coatings are more expensive than others, and no better with respect to nutritional value. A great deal of nutritional value is provided by the milk, so don't be stingy with it.

### How Much Per Gallon?

Milk, unfortunately, is about twice as expensive as gasoline. Rather than learning to drink complex hydrocarbons, the answer is use dried milk. This will represent a savings of almost thirty percent. If you find that the flavor isn't to your liking, you can disguise it with almost anything that suits your fancy. It is important to mix the milk with cold water to get a "normal" flavor. Keep a jar in the refrigerator where your milk cartons used to be.

One of the better ways to improve the flavor of the milk is to use it to make instant pudding. It enhances the food value as well as flavor, and costs only about twenty cents for a box yielding two cups of pudding. If you can't get a beater or mixing bowl to make it, use a jar with a tight lid and shake it up.

Soup can be made by anybody who can boil a pan of water and stir. It can be served with a sandwich to make a decent meal, or fortified with minute rice or boullion. If the recipe calls for milk, the dehydrated variety works perfectly well.

### ASME Rides Again —Next Week

The American Society of Mechanical Engineers (student section) will meet Wednesday, November 7, in 210 Thomas at 4 p.m. Future activities will be planned and an office (secretary) filled.

There is No Darkness

Because There is Light

Regular meals require some additional skill in combining and choosing ingredients. Fresh vegetables are an important staple and should be purchased in season whenever possible to lower the cost. This also applies to some fruits.

For sandwiches, the best for the money is peanut butter and cheese. Both are high in protein and relatively inexpensive. Tuna salad can be made in large quantities and stored in a refrigerator. If you want some meat in your sandwich, get together with some friends and buy a canned ham. Have a butcher slice it up for you, and you've beaten the outlandish price of cold-cuts.

Crackers can be used for putting cheese and peanut butter on, or for putting into your soup or chili. The best buy is saltines.

If you go for making your own chili or stew, beef boullion adds lots of flavor and protein without the cost of more meat. You can also drink it with your

lunch, when time allows the use of the kichenette.

### Next, Soyient Green

To get your meat at minimum cost, get the beef with the soy protein added. This is less expensive than ordinary ground beef, tastes just as good, and better from the standpoint of nutrition and fat content.

Some items have been conspicuous by their absence from this discussion. For instance: bacon, which costs plenty and is more fat than protein; cream cheese, which is considerably inferior to other types; TV dinners, which are horribly overpriced; and soft drinks, for which better and less costly substitutes can be found. You're better off with something else.

Shopping habits have a lot to do with your final food expense. Try several stores to see who charges the least for which items. The Farmer's Market is an excellent place to go if you can get enough people together to make the long trip worthwhile. Food co-ops can also help out, but the one on campus died a few years ago. With the current hassle, it would be possible to resurrect it if people show enough interest. Contact the Y for further information.

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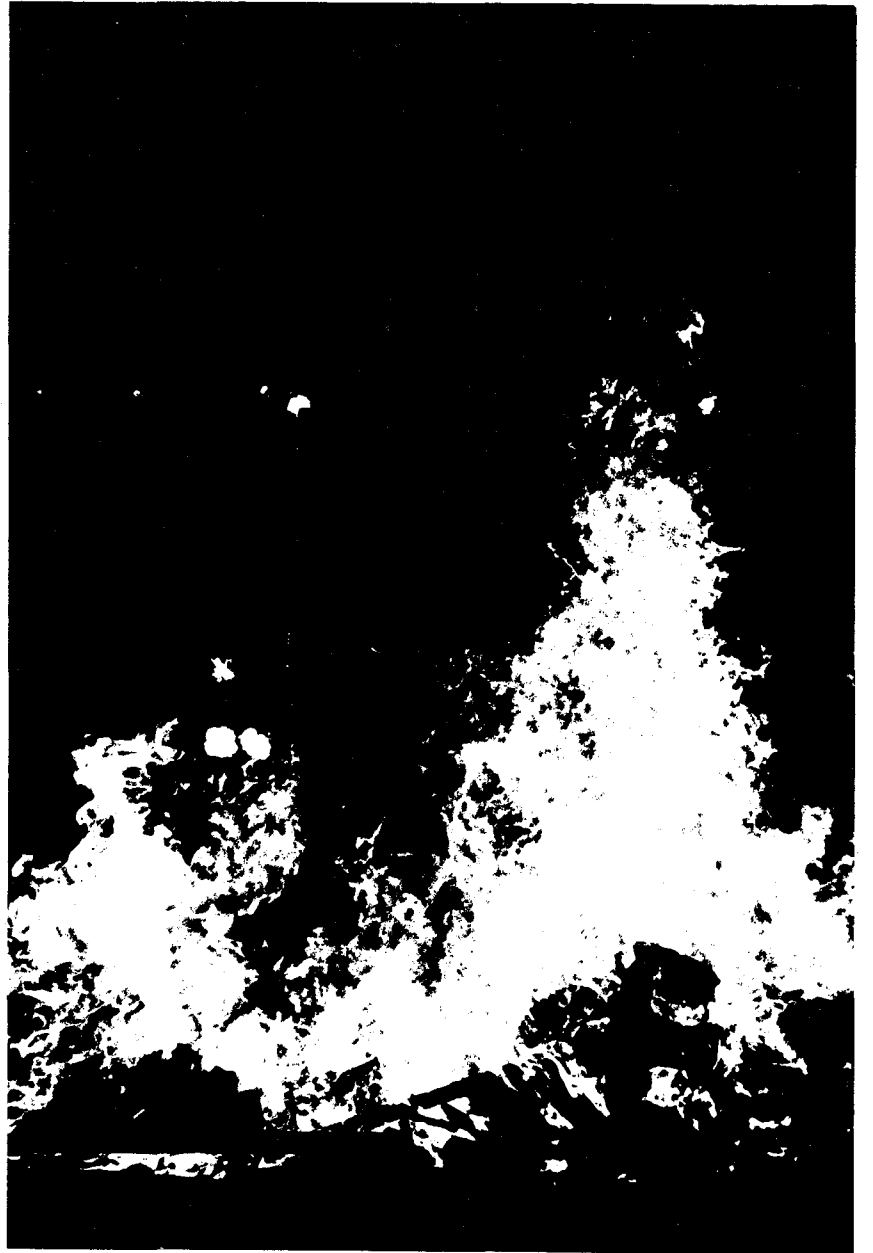
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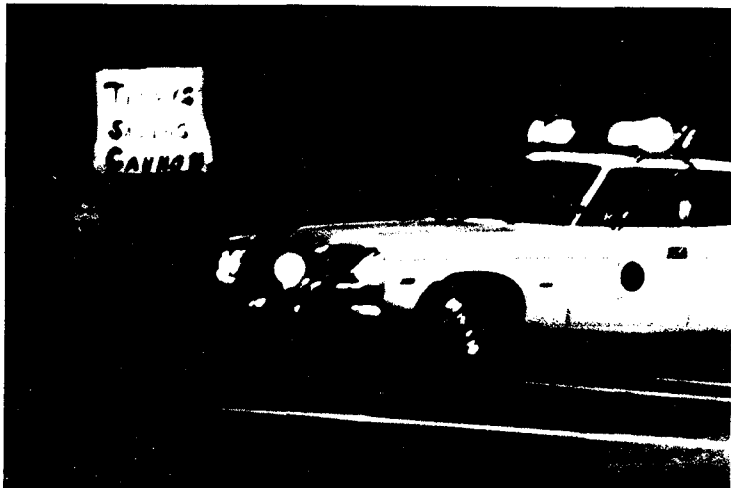
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**Frets**

Continued from Page Six

Maria, James' sister, is an excellent piano and organ player backing him up on the songs, as well as doing background vocals. Combined with James' guitar, the instrumental end of the music is

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very good. Songs like "West-bound Man" and "Ode to Mrs. Worthington" showed the abilities of Reeves as a songwriter. The latter of the two songs is a rather impressive song of a relationship based entirely on food, with a chorus worthy of Frank Zappa. I found James Lee Reeves and Maria to be extremely entertaining and worth seeing again. Besides that, any performer who can make a medley out of "I Left My Heart in San Francisco," "Heartbreak Hotel," "Jumpin' Jack Flash," "Deutschland Uber Alles," and "Whole Lotta Shakin' Goin' On" has got to be impressive.

George Miller was the comedy act this time around, and was neither the best nor the worst I've seen. He had some trouble warming up the audience, but once things got going he was reasonably funny. However, the only thing that I actually remember from his act was his comment that the audience was only responding to jokes about sex and drugs, and the fact that the rest of his act seemed to try and exploit that reaction. Nothing memorable. Two acts out of three will have to do.

-Nick Smith

**Lit Seminar**

Continued from Page Three

menting on the language and the beliefs of the poet.

A hero of this time was one of action, because problems could only be solved by action. The mainstream of the people were unable to do anything about the gas that surrounded them. The heroes were the active force in society, but they had their own gas. They had their wyrd (later, weird), a sort of death fate. Yet, this wyrd could be used to protect the hero if his time hadn't come and he was courageous enough. Beowulf used this to defeat the monster Grendel and ended up king of Denmark, the land he protected.

The wyrd eventually catches up with everyone, however, and Dr. Cozart spent the last portion of the seminar reading a condensed version of the death of Beowulf at the hands of a dragon. It was here most of all that Dr. Cozart demonstrated that, while the art of constructing such stories is almost dead, the art of telling them is alive at Caltech.

\*\*\*\*\*

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**Mideast**

Continued from Page One

developing an engine that works on hydrogen, although using some gas and oil. This would remove the Arab oil political weapon if in wide use, as it would reduce our need for oil."

The next speaker, Dr. Robert Oliver, stated that he believed that "each of the five nations was acting rationally. Egypt was a proud nation... yet has been subjected to intensive colonization." During the construction of the Suez canal, the U.S. had said in effect that unless Egypt supported them against the admission of Communist China to the U.N., Egypt would receive no aid in the construction of the dam. "Sudat acted very rationally. He was under considerable pressure by Egypt to attack the Israelis in Sinai, and with the history of his country as it was, it left him little choice."

"The U.N. had promised Palestine to the Jews, however, Palestine had also been promised to the Arabs." Hence, he implied that the conflict was inevitable, as all parties acted "extremely rationally."

He stated that his solution to the problem was threefold. First, Sinai must be returned, or at least made property of several nations. Second, an agreement must be made by major nations

to practice a noninvolvement policy. Third, a peacekeeping organization must be delegated. These would be the methods used for the cessation of hostilities.

The talk was followed by a heated discussion by the listeners.

**News Briefs**

Continued from Page One

matech will present the 1965 Japanese film *Kwaidan* (in Japanese with English subtitles). *Kwaidan* is a collection of four "Ghost Stories"—among the best ever filmed—and is noted for its extraordinary color photography. One dollar gets you in at 8 p.m. in Baxter Lecture Hall.

**Consciousness Raising**

Campus C-R groups started with the Monday evening 5-7 p.m. group which began October 29 in the Health Center Lounge. The Wednesday or Thursday evening group is being scheduled from 8-10 p.m., and will start November 7 or 8. Pat Denslaw will be leading these groups—a result of the interest created during the August sampler session. The cost will be \$3.00 per session; payable four sessions in advance. Other groups (generally of eight sessions each) will be scheduled in the future. Please contact Flora Constanten, ext. 2157 if you wish to sign up for any of these groups.

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## Beavers Run Like Mad

by Steve Kellogg

The Tech cross country team placed fifth in an eight-team field at the Chapman Invitational held last Saturday. Coach Leroy Neal noted that the entire squad turned in the best team effort of the season.

Greg Griffin finished eighth among the 44 entrants. He chalked up another excellent race with a time of 26:40 over the 5-mile Hart Park (Orange) course. Joe Arpaia ran his best race of the season, finishing second for the Beavers and 21st overall. This race also reflected the fine running of novice Larry Bridges, who has shown steady and rapid improvement.

The team as a whole regained some of its effective group-running characteristics to put together Caltech's best invitational score—110 points.

## Pomona Blanks Beavers, 9-0

by Bill O'Meara

Caltech suffered two more Soccer losses, falling to Pomona and Whittier. The undefeated Pomona squad had a 9-0 win over the Beavers last Saturday. (Pomona has a season record of sixty-one goals for and two against).

Whittier gained a 3-2 victory on Wednesday in a very even game. The Beavers gave up a goal within the first couple minutes of play, but then held on to trail 1-0 at half. Ken Severin fired in a close in goal 10 minutes into the last half. The tie ended when Whittier scored on a penalty kick, then again on a long shot. John Dilles set the final score at 3-2 by connecting on an excellently placed free kick. Tomorrow the Beavers host La Verne, the final home contest of the season.

Mark Johnson

# Tankmen Lose to Oxy

by I. M. Wett

Tech's water polo team played a heartbreaker and a thigh-slapper last week, with an unofficial wrestling match thrown in for variety. The two losses (yes, Tech was at the receiving end of the slapped thighs as well as the broken hearts) give the tankmen a 2-3 SCIAC record halfway through league competition.

The heartbreaker came at the hands of Redlands last Friday. Tech started strong in this game and held a 3-1 lead at halftime on goals by Howie Bubb (2) and Russ Desiderio. Bubb's goals were remarkable in that he arrived at the pool only seconds before the game started and never warmed up his arm.

### Deep Water But No Depth

Tech held its lead through the third quarter, but Redlands tied the score at 3-3 early in the final period. Bubb soon scored another goal, however, putting Tech ahead 4-3 with three minutes left in the game.

Caltech's lack of depth contributed to Redlands' fourth goal, when one of Redlands' swimmers broke away from a tired Tech defenseman to tie the game. Redlands scored the winning goal a few minutes later during a fight in front of the goal. This reporter failed to observe the play because his head was being held two feet under-

water.

### The Comic Side

The thigh-slapper game was played at Occidental on Wednesday. For three quarters, Tech played well against the team that only lost to USC by one goal. In fact, the halftime score of Oxy 4, Caltech 2 was even respectable.

There must be some plausible explanation, then, for why Occidental scored seven goals in the last quarter. And you can bet that Tech's lack of depth probably has something to do with it.

The basic problem was that only seven Techers made the trip to Oxy. These seven started and played well for three quarters. But in the fourth quarter, Tech's leading scorer fouled out. That wasn't too bad.

### It Gets Worse

But a few minutes later Tech's leading defenseman fouled out. In spite of this, the situation didn't really get grim until Tech's best wing committed an ejection foul and was kicked out of the pool for 30 seconds. The remaining three swimmers and goalie were forced to take an it's-best-to-go-out-in-style attitude and were not surprised when Oxy scored again.

And just to demonstrate that the first two men to foul out were not flukes, another Techer fouled out with three seconds

left in the game. Steve Bitondo, Bob Kieckhefer, Mark Visser, and goalie Virgil Shields did not foul out and hence did not have to watch from poolside as Oxy ran up a 14-2 score.

"A Game? Today?"

More comic relief from the frenzied pace of water polo was provided on Tuesday when LA Valley College showed up some what unexpectedly and wanted to play a game. But since nobody at Tech had had more than 24 hours' notice, no referees were on hand.

So the LAVC coach refereed. Or tried to referee. Or blew his whistle (whether it was audible or not) at random times and for the wrong reasons. The encounter (a scrimmage for Tech? a game for LAVC?) rapidly degenerated into a wrestling-swimming-punching-holding contest.

One of the more spectacular plays of the evening occurred when an LAVC swimmer tried to swim over Tech's Jim Rowson. Rowson retaliated by throwing his opponent into the air. Neither man received a foul. Don't get the wrong idea, though. "Water polo, contrary to popular belief, is a game of skill and science, rather than brute force."—Coach Ed Spencer, September, 1973.

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## Inoperative Sports Menu

Friday, November 2			
1:30 p.m.	Football	La Verne JV	Home
Saturday, November 3			
10:00 a.m.	Soccer	La Verne	Home
10:00 a.m.	Water Polo	Claremont-Mudd	Away
11:00 a.m.	Cross Country	SCIAC Championships	at La Verne
Wednesday, November 7			
2:30 p.m.	Soccer	Redlands	Away
3:30 p.m.	Water Polo	Pomona-Pitzer	Home
Saturday, November 10			
10:00 a.m.	Soccer	Occidental	Away
10:00 a.m.	Water Polo	Whittier	Home
11:00 a.m.	Cross Country	NAIA District III Championships	at La Mirada Park

## Not Again!

Continued from Page One

After halftime, things started off with a real bang when John Steubs returned the kickoff for a 93-yard touchdown. The two point conversion run by John Morton was good. The scoring was completed four minutes later when Greg Hoit ran 21 yards for a touchdown.

The offense was much better this week. Nelson was 8 of 16 for 82 yards and Tech netted 123 yards rushing. This last figure surpassed our total for the previous four games. Neal Askew was the leading rusher, with 71

yards in 9 carries. He and Morton are just about tied for the rushing title with 99 and 103 yards, respectively. Askew leads in average gain with 5.8 per carry.

The defense was again excellent: C-HM got 14 yards rushing and in passing were only 2 of 12 for 11 yards. Bruce recovered a fumble and sacked the quarterback five times. Mark Sutton sacked the quarterback twice and had several tackles.

This week we have a chance to make the season record 3-3. This would be the best season and first non-losing season since 1956. Come out and see us this afternoon at 1:30 behind the gym.

Tired of Roasted Marshmallows after the game? What could be more inviting than a Roma's pizza!

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