



APOLLO is a study in modesty as he points the way to his new home in Dabney Gardens. While there, he will be subjected to intensive study as a team of Tech physiologists attempt to discover how he was re-activated. Photo by Gerry Laib

## New Course

# Kousser On Nam

by Philip Massey

As I was innocently wandering into Louise Hood's office the other day, I was confronted with a Features Editor who told me I'd do it. "Do what?" I asked, innocently. "Interview Morgan Kousser," he replied. "Kousser Morgan ... Morgan ... Isn't he the new Dean of Students?" I innocently replied, "No, no, that's ... Never mind, just do it, O.K.?" "Do what?" I asked innocently and so I found myself going to interview Dr. Morgan Kousser, a very interesting history professor, who talked about a student-run course next term on the Viet Nam War, and what he thinks is going on with the Kissinger free-for-all.

Tech: Uh, I hear you're giving a course next term on the Viet Nam War.

Kousser: Yeah. The course is H161; it's called "American Foreign Policy and the Viet Nam War." The idea for it came from Ed Schroeder, who, as you know, is a Viet Nam veteran, and wanted a course to be given here on Viet Nam, and, the more he thought about it, the more he thought it should be a student initiated and student run course, or at least partly student run. So

he came to see several people, of whom I was one, and brought up the idea. So I said O.K.

The course is going to start with the discussion type framework we generally have in humanities and social science courses and build on that. Some courses even in a supposed discussion format don't really work as discussion courses, either because students are lazy or because the teacher knows everything, which all of us — including myself — are guilty of at various times or because the teacher just likes to lecture. I hope this course will really be a discussion course, and that unlike other courses, there will not necessarily be always the same discussion focus on the professor, who even if he doesn't lecture often begins by asking questions. That's his discussion and not the students'. I hope that this one can be

Continued on Page Two

## News Briefs

# Drop Day Vote Monday

A reminder to all undergrads: Next Monday the faculty will vote on whether or not Drop Day will be changed from the Friday after midterms to the Friday of the second week preceding finals. Be sure to talk to faculty members about this important question.

## Registrar Announces List of Courses Not Offered Pass-Fail

The Registrar's Office has announced that the following courses offered next term will not be available to be taken on a

## Outlook Grim

# No Yearbook For 72-73?

by Etaoin Schroedlu

"The official yearbook of the corporation shall be the *Big T* ... The date of issuance of the *Big T* shall be no later than ten (10) days after the beginning of the first term of the following year." By-Laws and Resolutions, Associated Students of the California Institute of Technology, Inc.

It has probably not escaped your notice, gentle reader, that the 1971-72 *Big T* has not yet appeared. Just in case you are under any misapprehension, please note that said book is nowhere near appearing yet; in fact, it is nowhere near ready to send to the printers, and the earliest we can expect to see the book is well into second term.

Several years ago, whenever *Big T* staffs were being tardy or incompetent, significant public outcry would force the ASCIT Board of Directors to take a hand in the situation, in order to keep the yearbook on time (which at that time was supposed to be June, not September). Of course, those were the days before Joe Rhodes substituted grandiose dreams for uninspired reality, and BODs and other student organizations were still expected to meet some minimum standard of accomplishment in the nitty-gritty concerns of students. Student officers then were no more proof against mistakes or incompetence than now; but they could expect to hear about it if they blew it.

Well, why hasn't the BOD gotten on the *Big T* staff this year? BOD-watchers can think of various likely reasons, but even aside from those, there is a moderately compelling difficulty: there is no *Big T* staff to get on.

## Suppose They Had a Yearbook

This is a real problem. The details of the recent atrophy of the *Big T* are long and sordid, ranging from Business Managers who ignore bills and keep yearbook funds in their own personal bank accounts through Editors who, through no fault of their own (or the *Big T*, no doubt), graduate while their book is still in embryo condition, advertisers who vow never again to run ads in any yearbook run

Continued on Page Five

# The CALIFORNIA Tech

Volume LXXIV

Pasadena, California, Thursday, November 16, 1972

Number 9

## Beautification

## To Transform

## Greasy, San Pasqual

by Paul Harper

A three-stage program for beautification of the campus, involving the demolition of Throop Hall and the ultimate closing of San Pasqual is currently being planned by the Office of the Architect.

The first part of the project is due to be completed by March 15 of next year. Basically, it involves a relatively minor restructuring of the present campus layout. In addition to the removal of Throop, this includes replacing the ivy between Thomas and Guggenheim with a lawn, and raising the level of Greasy Street to that of the Olive Walk. Provisions will be made to allow vehicles onto the walk, but a decision has not been made as to whether students will be permitted to drive on it.

The second stage of development, due to be completed in about a year, is the transformation of San Pasqual from Chester Avenue to Noyes Laboratory

Continued on Page Five

## Heck's Angels?

# Ex-Hell's Angel To Talk

by Etaoin Schroedlu

What do you say to a retired Hell's Angel?

Techers will have the opportunity to devise their own answers to that question this coming Monday, when versatile freak Hunter Thompson will be on campus for a talk in Winnett Lounge at 4:00 p.m. Thompson joined the Angels some years ago in order to write a book about them. The book happened not to find particular favor with its subjects, which also opens up a line of questioning concerning how one avoids the Hell's Angeles when necessary.

## Really Extravagant Language

Thompson may be more familiar to Techers today as the political correspondent for *Rolling Stone* and for the quality and content of his articles therein. Thompson was also in the news a few years ago as the Freak Candidate for sheriff in Aspen, Colorado, which aborted a promising political trip by a narrow

margin at the polls. Just in case further credentials are necessary, Thompson holds a Ph.D. in journalism from Columbia University, is a friend of Dan McMahon, and has informed us that he will speak on "How I Spent My Summer Vacation," a favorite old theme which we may expect to have a few unexpected twists.

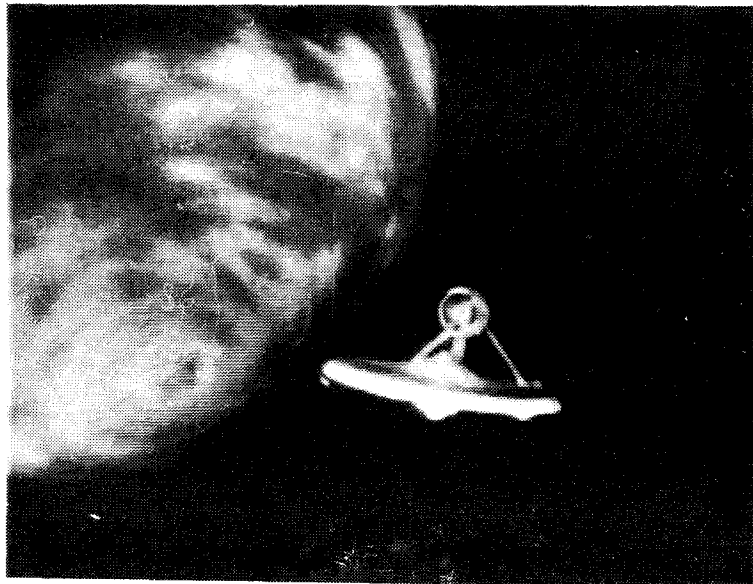
## Other Y Activities

This Friday the Noon Olive Walk Concert will feature Chuck Mitchell from the Ice House, who has been well received on campus.

Those of you not sleeping off the effects of last-minute Inter-house building on Saturday may be interested to know that the large number of people and their paraphernalia occupying the Olive Walk will be part of the Arts and Crafts Fair being presented by the Caltech Y. All sorts of exhibits of various artistic skills will exist for browsing through;

Continued on Page Four

# U.S.S. H. Allen Smith?



Last picture taken from dying Mariner 9 spacecraft shows a large mass in orbit about Mars. Speculation by JPL officials ranges from an error by the computer-enhancer to a space-time warp. Photo copyright Paramount Pictures Corp.

## The Great Turkey

## Is Coming!

YOU LOSE!

no issue next week

# INTERVIEW

Continued from Page One

somewhat different.

I think Ed is going to be more than just an expert brought in; I think he is not going to be just a co-discussion leader, either. I hope that together the students and myself can just sit down and have discussions about the material. Probably Ed and myself will say more than anyone else, but I hope that neither of us dominates the discussion, and that the whole course is just a more free-wheeling discussion course than most of them usually are.

**Tech:** Uh, what kind of reference material are you going to be using?

**Kousser:** Well, there's a tremendous amount of material about American foreign policy in Viet Nam. A large number of excellent scholars have studied various segments of the war: American foreign policy related to the war, American foreign policy in general before the war hit escalation phase. They've studied the air war, the biochem war; they've studied what the Viet Cong are like, what Vietnamese society is like, and how the war has affected that society.

Basically, we come at it from a multi-facet view. I know more about American foreign policy, in general, than Vietnamese society; Ed knows more about Vietnamese society — he speaks the Vietnamese language — than he does about American foreign policy. So hopefully our two levels of specialization will — to some degree — complement each other.

I think the most important thing about this course is that it is student initiated, and whether such a course can work as a course and not as a tutorial. I hope to some degree that the hierarchical role of student and professor can be overcome to whatever degree is possible in a university surrounding. I'm not sure how possible it is; I'm not sure how possible it is for me to leave the role of being professor, but we'll try.

**Tech:** Uh, will the course count for Humanities credit?

**Kousser:** Yes, it will. It is also open to any student who took H161 before, since this is a new course.

Another thing is that I think we're going to try to eliminate some of the artifacts of the German hierarchical educational ideas of the nineteenth century that tend to separate students and faculty, one being exams. I hope this course can work without exams and external pressure to get the reading done. And I think it will. Probably students will write papers on some aspect of the Viet Nam war that they get interested in in class. There will be grades, of course, but I hope we can decide something about what kind of grades we're going to use. Maybe we can work out some sort of arrangement with the registrar whereby people will take the course APF. It depends upon what the students want. If they want specific letter grades out of it, fine. It's up to them.

I'm not an expert on the Vietnamese war; I am an interested observer. I'm not an expert on American foreign policy either. I think that's a good thing, because students don't have to treat me as some great guru who knows everything about the subject.

**Tech:** Although you say you're not an expert on the war, you're still probably the closest to one I've run into in quite a while. What do you think is happening now?

**Kousser:** Well, I don't know. I think it's difficult to figure out what went on. At this point one can only offer plausible hypotheses. One is that Kissinger negotiated this package deal, that he did it largely without telling Thieu everything that was involved, and that Thieu found out everything that was going on. I think that it's plausible to assume that when he found out what was really going on, and when our military realized exactly what was going on, he stiffened and at that point Nixon said, "Listen, Henry, I thought you cleared it with Thieu" and at that point we changed our negotiative posture. That's a plausible suggestion as to what might have happened.

I think it's clear that we did

Continued on Page Four

## Astrogation Expert To Speak On

### Computer Modeling

by Philip Massey

A combination organizational and presentation meeting of people interested in New Worlds will be held in clubroom 1 Friday night at 7:30. Dr. John Michael Smith of McDonald-Douglas, an expert in astrogation, (yes, really) will speak about an extension of the Forrester's computer model. Developed at MIT, the model makes an attempt at computing various economic, technological, and population characteristics in the future at various intervals, by allowing various input parameters (amount of recycling, birth restrictions, number of pigeons per inverse acres, etc.).

New Worlds — which sponsored the recent L.A. Syncon — is a semi-international organization looking at what the future might hold for mankind, at what problems have to be solved for there to be a future. They are interested in organizing a student work group here at Caltech such as the one that exists at MIT.

If you are interested in the future, or if you want to hear how the Forrester's model attempts to deduce clever things, come to the meeting tomorrow.

## Ex-Techer Gets Wings

Second Lieutenant Steve C. Offen of Walnut Creek, Calif., has been awarded his silver wings at Columbus AFB, Miss., upon graduation from U.S. Air Force pilot training.

Lieutenant Offen is being assigned to the 54th Weather Reconnaissance Squadron at Andersen AFB, Guam, where he will fly the WC-130 aircraft with a unit of the Air Weather Service.

The lieutenant received a B.A. degree in physics in 1969 from Occidental College, and a B.S. degree in engineering in 1971

## Laugh-In Fails Test

Dear Editor,

Three years ago, when I was a freshman, and Caltech was still not coed, I wrote a strident article suggesting that "Laugh-In" would not be around in the next fall. Well, "Laugh-In" is still around, but I will be gone in the fall. Still, it is clear that "Laugh-In" has ceased to be a significant social force in America. This is probably due, in large measure, to the appearance of Richard Nixon on an episode in early 1969. You don't have the President (sob) of the United States on a show, and still expect it to be considered anti-Establishment.

— Bruce Reznick

## Caltech Child Care Center Needs Help

by Dennis Mallonee

The Child Care Center for Caltech Families has been open since October. Designed for service to children of Caltech faculty, staff and students, and J.P.L. people, the Center still has openings available.

Children between the ages of two and six are cared for by a professional staff under the guidance of child psychologist James Gardner. The staff seeks to promote activities which will encourage learning and social interest yet be fun at the same time.

Many items are still needed or wanted, and the Center asks for help in supplying toys, coloring books, non-dangerous carpentry and gardening tools, old shirts (for painting) and anything else (practically) that children would

from Caltech. He was commissioned upon completion of the Air Force Reserve Officers Training Corps program.

## Powerful Forces Behind Disruption

Dear Editor,

At Caltech we are witnessing a deplorable example of the double standard that threatens the very foundations of American colleges and universities. A small group of influential people have been allowed to do what no student or faculty member would dare to. They are tearing apart the administration building and disrupting the campus. Certainly we all recognize that our present administration is imperfect and some things need to be changed — but should the whole establishment be condemned for a few faults? To barricade the campus and deface property is no way for responsible members of the academic community to behave.

— A. Bedoya Ricketts

enjoy playing with — they go through them very swiftly, I'm told. English tutors are also needed for those children that know only a smattering of English.

If you have a good idea or want to volunteer to aid the Center, call Helen Gonzales (792-9225). All aid and assistance will be greatly appreciated.

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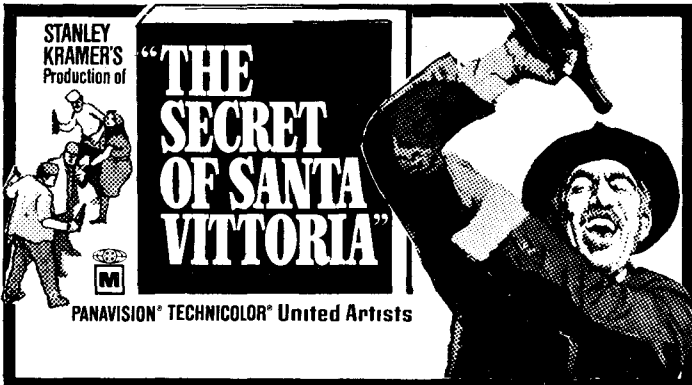
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by Phil Frank



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Not Unlike Steamships

Sandy Papyrus Floats

by Paul Harper

Norman Baker, second-in-command on Thor Heyerdal's Ra expeditions across the Atlantic Ocean in papyrus reed boats, appeared at Beckman Auditorium last Friday as a part of the Armchair Adventures series to relate his adventures on the trips.

Baker's sea going desires began when he was a child, watching the steamships leave New York Harbor. After his graduation from Cornell University, Baker served aboard a naval destroyer. He gave up the Navy in the South Sea Islands in order to devote his time to sailing ships. It was there that he started his friendship with Heyerdal, which was to result in his participation in the Ra voyages twelve years later.

Heyerdal's theories of ancient trans-oceanic cultural influences, based on his observations of

similarities between such objects as the pyramids in Egypt and Mexico, papyrus reed boats in Kenya and Bolivia, and idol heads in Peru and Easter Island, have met with much skepticism from anthropologists and archaeologists. "This voyage," said Baker, "like the Kon-Tiki, ... was only to test whether [trans-oceanic voyages] could have been done ..., whether it were possible that with the vessels they had in those days, man could possibly have reached the gap of three or four thousand miles."

Baker recounted the construction on the Sahara Desert of the first Ra, from fifteen tons of papyrus, modeled after ancient Egyptian drawings, its launch from Safi, Morocco with a crew of seven men deliberately chosen from seven different nations, and

Continued on Page Four

FilmCon  
Offers Free Pass

by Gavin Claypool

Students can still register for \$8 in advance for the Fantasy Film Con to be held November 24-26 at the Ambassador Hotel. The convention will feature screenings of many top-notch science fiction, horror, and fantasy films, along with the original *Star Trek* pilot, "The Cage." Also featured will be many of the people who created, produced, or starred in these films.

Anyone wishing to devote six hours of his or her convention time (or more) can get their membership refunded. Those interested will be required to purchase their own membership. (\$10 in advance, \$8 students; \$15 at the door, \$10 students), but after working three two-hour shifts it will be returned. Sixteen-mm projectionists are especially needed. Contact Ted Michon or Bob Cowan (both Page) at once.

Hangs For 145 Minutes

Undergrad Sets Record

by Steve Sweeney

Taras Kiceniuk, Jr., a Lloyd frosh, set two world records October 28 in the sport of hang-gliding at Torrey Pines State Park, north of San Diego. He established a flight-length record (for foot-launch) of 145 minutes and an altitude gain record of 900 feet above his launch site.

Hang-gliding is just foot-launched flying with an airfoil helping out. The apparatus needed to hang-glide is a set of light and strong biplane wings or another type of light, strong airfoil. A seat is suspended from this arrangement for the pilot.

The feeling? "Well, it's something like bicycling with the dimension of depth added, but you don't have to pedal!" says Taras. To launch a hang-glider, one has to get a running start

into fairly strong updrafts, which are found on the windward side of hills and cliffs. A steady wind is more desirable for hang-gliding than a very strong but erratic wind.

Rickety Lloydie?

Taras became interested in hang-gliding after sending away for plans for a hang-glider he saw in a magazine. "That one was sort of rickety, so I tried to improve on it," said Taras. He took the improved version to a hang-glider meet at Corona Del Mar and noticed the biplane styles of other contestants' entries. While Taras had good control with his model at the meet, the biplanes had better distance, so Taras set out to design a hang-glider that would combine his glider's control and the biplanes' distance.

The result eventually was the "Icarus II," the hang-glider with which Taras set his world records. Not content to rest on his laurels, he plans bigger and better things in hang-gliding.

Boeing is back.

This fall marks the first time since 1969 that Boeing has had a formal recruiting program on college campuses. A lot has happened since then. It was a tough period. One which saw the aerospace industry plagued with manpower reductions. It was a period of belt tightening, soul searching, and finally, accomplishment.

Now the airline industry has turned the corner and jetliner orders are coming faster than we ever predicted. Orders for the 727-200 have passed the 1,000 mark, and the sale of ten 707's to China represents a breakthrough which gained worldwide attention.

Boeing continues to pursue vigorously a number of major aerospace programs, including a short takeoff and landing (STOL) aircraft, helicopters, the Airborne Warning and Control System (AWACS), and space vehicles and equipment, among others.

Boeing Computer Services, Inc., a wholly-owned subsidiary, is becoming recognized as a broad based company with services not only in consulting, training, computer system design, programming, and data processing, but also in management, operations research, and management of customer computer facilities.

While the major elements of our business continue to be commercial jet transportation and government defense and space requirements, we have begun activities outside these

traditional areas. Measured on the scale of total company operations, these diversification activities don't loom very large yet. But we believe they have potential for the future and could represent as much as 25 percent of total sales in a decade.

A few of these programs are: 1) people movers to unclog traffic conditions in our cities; 2) hydrofoils to move people and freight over water faster; 3) a 100,000-acre test site where we're growing crops in a desert that has been stabilized with garbage from a nearby city; 4) a pollution control process that has application in desalination and as a treatment of industrial waste; and 5) aerospace programs that can lead to a better understanding of how to use this planet's natural resources more efficiently.

The point is—today Boeing is a lean, ambitious, and very inventive company. A place where new ideas flourish. Where an attitude prevails that nothing we did before is good enough for tomorrow. An organization that's rebuilding. Strong. Healthy. And devoted to the development of new systems that can keep planet Earth on course and the people who live here healthy.

If this sounds like the kind of company you can grow with, let's get together. The place to start is with your Placement Office.

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# Interview

Continued from Page Two

agree, that we did make this agreement — Kissinger said so — and the only reason we're backing out of it, the reason that the people in Washington want us to believe, is that there were some things that weren't quite settled yet, or that we're doing it because Thieu doesn't like the negotiative position that we've adopted — that he's suddenly changed his mind.

It's equally plausible to me that we just double crossed the North Vietnamese and that the best way to assure we didn't double cross them entirely was to make the announcement public. And that Nixon had wanted all the time to double cross them, and that Nixon just wanted to keep up the facade of having negotiations going on all the time. Everyone knows that negotiations were going on seriously when the North Vietnamese made their negotiation position public on the twenty-sixth of October. Kissinger had been in Paris, the White House was trumpeting that Kissinger had been in Paris, that Kissinger had flown to Saigon — the whole world knew that something was going on, which was sufficient for election purposes for the president. But it may be that the President wanted to welsh on the thing from the beginning. In any case, the North Vietnamese have every right to be completely frightened that we are doing so. They've been apparently pressured by the Chinese and the Russians, they were pressured by them in 1954. In '54 the Russians and the Chinese told them settle for this; we'll guarantee the agreement. It didn't happen that way, and it's because the Americans broke the international treaty which they didn't sign but which they said publicly that they would abide by. And the U.S. apparently had no intention of abiding by it. Russia and China did the same thing with the Laotian-Geneva

# Y Program

Continued from Page One

over forty individuals, including some Techers, have already agreed to come and display their wares. There is no charge to Techer-customers, other than the cost of any items you may wish to buy.

## Talk for Twos

Next week two of the Y discussion programs will produce double-headers: on Tuesday at noon Drs. F. B. Thompson and Bozena Dostert will discuss the work they have been doing on REL, in the Y lounge, and Wednesday evening at 7:30 Dr. Ian Hunter will lead a speaker-and-film discussion on "Encounter, Anyone?" in Winnett Lounge.

Beyond that, the Y will co-sponsor the Thanksgiving holiday (sure, why not?), and bring you all sorts of programs as Christmas approaches. Don't bother to check this space next week for further details because there won't be any *Tech* next week, but pick up a copy of the Y's November Calendar of Events from your House or the Y offices in Winnett.

Treaty in 1962. So if I were the North Vietnamese I wouldn't trust the Americans further than I could throw them.

A third plausible explanation is that there were just petty misunderstandings, and that the North Vietnamese just don't trust us at all, and so they are being more wary than they need be. Along that line you'd have Nixon and Kissinger really wanting a settlement and they want to get out, and not thinking specifically in terms of the election date. Except that knowing as they must know that Thieu's government can't last long once we get out, they wanted to make sure that the negotiation date was close enough to the election date that Thieu's government wouldn't fall to the Communists by the time our election came around.

# More Papyrus (Bolivian)

Continued from Page Three

its final abandonment 500 miles from the Americas.

After determining to repeat the attempt, the crew reviewed what went wrong with the first boat. Baker commented, "probably, not all of the different kinds of reed boats made in Africa thousands of years ago were capable of crossing the ocean ... and probably a lot of them just drowned out there; we figured that maybe we just happened to pick a descendant of one of the losers." They decided to use the design of one of the "winners," some type of boat that was used in the new world.

Ra II, of Bolivian design, proved successful.

# THE WEATHER

Interhouse is coming.

Build Interhouse, frosh!

So there are three plausible lines, and I don't know which of them might be correct. We'll only know more about that when we know more about how the government operates in foreign policy. It's very difficult even to figure out just what it is that Nixon wants to do. He's had secret plan after secret plan after secret plan, apparently, and the way foreign policy is conducted in the United States it is impossible for anybody, even for someone who reads all the newspapers and books about Nixon and books about Kissinger, to figure out just what in the world is going on until long after it's over — if then.

# ENTERTAINMENT

## Beckman

Caltech Public Events office announces the appearance tomorrow of Emyln Williams as Dylan Thomas Growing Up. This dramatization of some of the words of Dylan Thomas by a fellow Welshman is quite simple and has been widely acclaimed. On Saturday, Soprano Elizabeth Schwartzkopf will sing in Beckman and on Sunday the Coleman Chamber Music Concert series will continue with the Israeli Yuval Trio.

## Frets & Frails

The Ice House will present Aleko Korallis and the Olympians in a special, one-night performance Monday, November 20. The group specializes in Greek folk songs, combining Korallis' voice with various instruments, including guitars, bouzouki, flute and harp.

Located at 24 North Mentor, the Ice House brings a wide variety of entertainment to the Pasadena area. Their telephone number is MU 1-9942.

— Gavin Claypool

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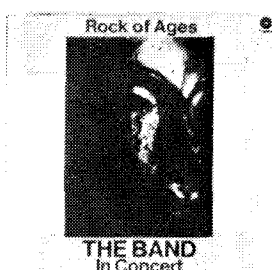
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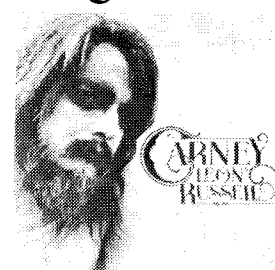
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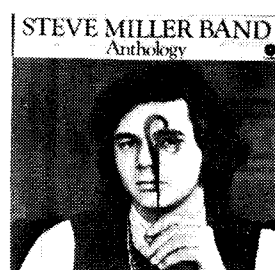
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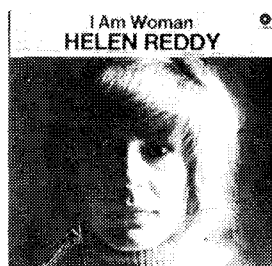
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# Romeros Concert Entertaining Despite Distractions

by Marc Donner

Most of us do not normally associate the guitar with classical music. It just does not seem to be a classical music instrument. Saturday night we had a chance to hear classical guitar and to learn that the guitar is indeed suited to classical as well as modern music. The Romeros came to Caltech to perform in Beckman Auditorium. This did not only include the four guitarists, but also their wives and children. The family (eight of them) were the guests of Page

House at dinner that night; food service rose to the occasion with a particularly inedible meal.

The guitar music was quite beautiful, what of it I was able to concentrate on. A woman with two small children was seated right next to me and proved quite a distraction to all those around her trying to quiet them down as they became bored. I have nothing against small children (I prefer them fried rather than baked) but they have no place in a concert where they quickly grow bored and

where there are other people trying to listen (for which privilege they pay money). It later turned out that the children were the offspring of one of the Romeros and the woman was their mother. I think children too young to control themselves should not be allowed into concerts, no matter who they are.

The guitar music was fantastic. The quartet, displaying that characteristically Spanish ability to ignore the program which often disconcerts American audiences, made additions and rearrangements in the performance which seemed to confuse the audience. Nonetheless what they performed was performed exquisitely. They performed a broad range of pieces demonstrating the extreme flexibility of the guitar as an instrument. Each of the sons performed solo as well as in pairs and the whole quartet performed several pieces, including three compositions by Celedonio Romero (the father of the other three Romeros). Their unorthodox reorganization of the schedule did not harm the Romeros; the audience gave them a standing ovation at the end of the concert.

Pepe Romero will be returning with the Los Angeles Chamber Music Orchestra quite soon, so watch for announcements.

# Yearbook

**Continued from Page One**

in such a half-assed way, and a House planning to boycott the book.

All the above relates to the problem of how to staff student organizations and publications requiring semi-infinite manhours out of a tiny student-body with semi-infinite other things to do. If there is any ASCIT organization which has solved this problem, I wish they would send a copy of their solution to 105-51 for the rest of us to use. The *Tech*, for instance, has never had enough staff members to operate the way we'd like to; we know we've got lots of problems, but believe me, it's not just intransigence on our part that causes our product to be less than perfect.

# Beautification

**Continued from Page One**

into a grass and sidewalk mall.

The final stage, which, unlike the other two, has not yet been approved is the complete removal of San Pasqual from Hill to Wilson.

Caltech is expected to receive permission to remove San Pasqual from the Pasadena City Council under the terms of an agreement signed last year.

# And Nobody Came

Perhaps this is the time to start considering a retrenchment on ASCIT activities. The '71-'72 book, which after all has already been paid for (as far as it goes) by the undergrads' *Big T* dues, will appear sometime, if my colleague millikan troll, the only remaining staff member, ever gets any help on it. *Nothing* has been done with the 1972-73 book, except for a bit of photographic work. This book now lacks a Business Manager; I originally held that position, but had to resign when it became apparent that I will no longer be around by the time anyone else addresses themselves to the problem of getting the book ready. There is an Editor: a senior. Ergo, problems.

# Year that Wasn't?

Last week I suggested to the BOD that they consider not having a 1972-3 book, which would seem a reasonable acceptance of reality. What will come of this, I do not know. Various options are open: cancel the book and return the dues; print a cheap and tawdry excuse for a yearbook; find a staff somehow; do nothing and hope the problem goes away. Jimmy the Greek would probably quote prohibitive odds on the latter.

Maybe a yearbook is too much to expect of such an elite student body as ours (after all, everyone else does it). If this is so, we should admit it, and stop driving the poor people in Parkinson up the walls. Expecting leadership from a BOD that can't keep track of its own minutes or money may also be expecting too much. Suggestions are welcome, but help would be much more so.

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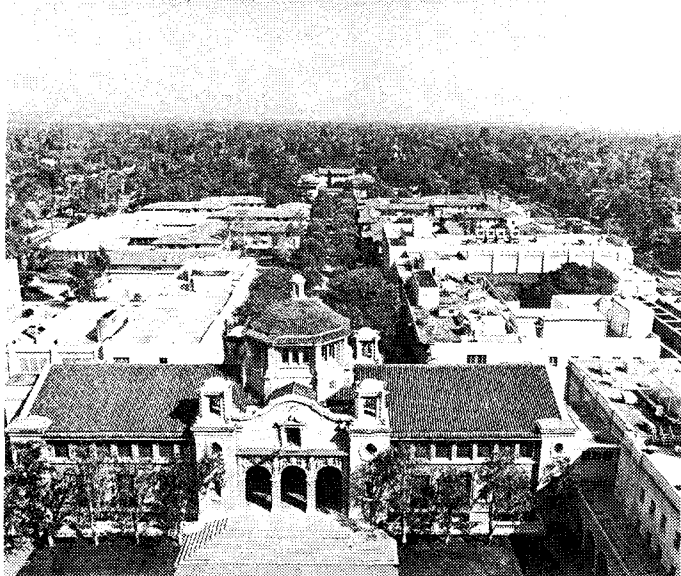
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# Throop Hall 1910 — 1972

To coin a phrase, an era at Caltech is coming to an end. Throop Hall, long the core of Caltech's campus, is being torn down. The oldest building on campus, Throop was once the only building on campus, back in the days of Throop Polytechnic before Millikan, Hale and Noyes dreamed the dream of Caltech. In more recent years Throop served as the Administration Building, the residence of the Throop Club, and the site (and final resting place) of many other student activities. However, in recent years concern was expressed over Throop's structural weaknesses, and the earthquake of February, 1971, rendered the building unfit for further use. Now the administrative offices are housed in various locations all over campus, the Throop Club has been moribund for years, and R.F.ing students will have to look elsewhere for appropriate terrain. The workmen are gutting the inside of Throop; the great windows are already gone. The roof, the dome, the arches, even Apollo itself will soon no longer occupy their accustomed places. Grass will grow where Throop once thrived, and only the memories will remain

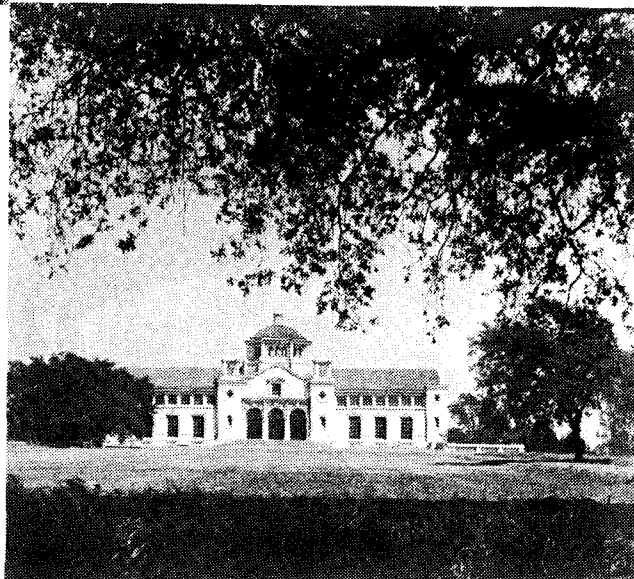


(left) Throop Hall seen from above, with the campus and the Olive Walk, leading to the Athenaeum, stretching out behind.

(right) The famous Throop Hall arches, on the west side, lit up at night.



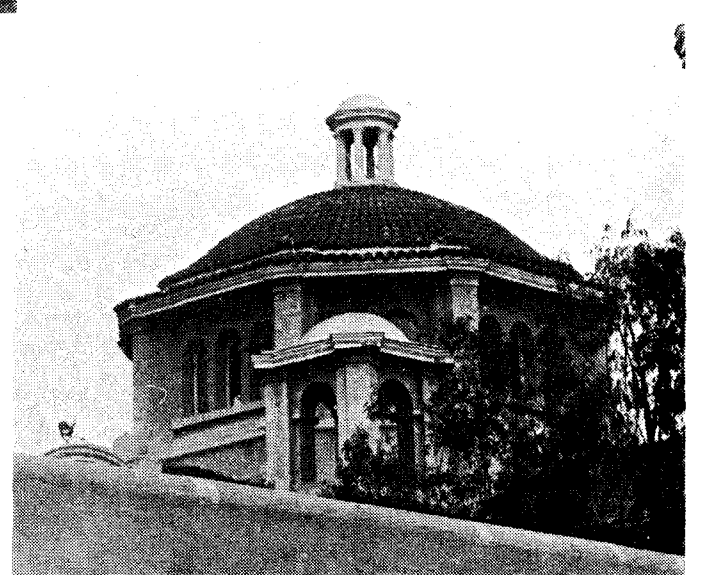
(below) Throop as viewed from the West today, with the landscaping and reflecting pool of Millikan Library in the foreground. At the left is Dabney Hall, now the home of many of Tech's academic-administrative offices, and the three that once shaded Senior Bench.



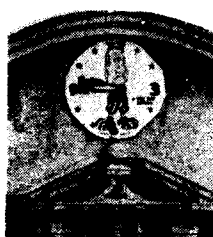
(below) A parting shot at the Throop Dome, with cupola, which occupied the time and energies of so many Throop-climbers. (To let the secret out, they all climbed up on the pipe enclosing electrical wiring, on the southwest side of the dome.



(above) Throop Hall in the days when the Caltech campus was not so much with us. Alternatively, artist's conception of campus after B&G has finished the projected demolition of Throop Hall.



By January 15, 1973, according to the demolition schedule, Throop Hall will no longer exist. Its former site will be landscaped — there are no current plans for intensive use of the site — and the lower Olive Walk will connect directly to the landscaping around Millikan Library, the great bulk of which will loom broodingly and unchallenged over the length and breadth of the campus. One hopes that the legends and memories will prove less transient than the physical world.





# News Briefs

Continued from Page One

## Public Events Poll by Faculty Committee

Are you disappointed with the offerings of Beckman and Ramo Auditorium? Then send a note with your ideas to Dr. Robert Oliver, chairman of the faculty committee on programs. The committee is interested in hearing what performers or lecturers the Caltech community would like. If you're satisfied with the current series of programs, let them know too.

## Hillel's Hebrew Classes Continue

A class in beginning conversational Hebrew, sponsored by Caltech Hillel, is being given on Sunday evenings from 6:00 to 7:30 in the penthouse patio of the Business Services Building. There is no charge; all members of the Caltech community are welcome.

## Thanksgiving Dinner Hosts Needed

Any member of the Caltech community who wishes to invite undergraduate students to Thanksgiving dinner is invited to

leave his or her name with the Master of Student Houses Office, extension 2195. Arrangements will be made with students who have indicated a desire to accept an invitation to spend the holiday in someone's home. Please respond by November 20th at the latest.

## Cinematech Needs Help!

Cinematech desperately needs help. We need people to distribute posters, set up the refreshments, help with the projection, etc. Any Techer (undergrad or grad) who is interested in helping in any of the above areas, should either leave his or her (we do not discriminate) name with the Caltech Y, or stop by at the projection booth after the Bergman show Saturday. Even if you do not currently have any of the above skills, we will train you!

## Stanford Admissions Reps Coming

Mr. Michael Gallie and Mr. Arthur Garcia, Admissions Representatives for the Stanford Graduate School of Business, Stanford University will visit our campus on Tuesday, December 5.

Purpose of their visit will be

to talk to as many students as possible about the Master of Business Administration Program at Stanford. While they will be primarily interested in speaking to minority students, they will be available to any student who is interested in hearing about the program. Discussion will center around admission requirements, financial assistance offered, and living conditions in the Stanford area.

Students who wish to meet with Mr. Gallie and Mr. Garcia should contact the office of the Director of Placement, 8 Dabney Hall.

## Make Money Through Math — Cool the Putnam!

On Tuesday, November 21, at 8 p.m. in Sloan Lounge, Putnam math competition superstars Mike Yoder and Arthur Rubin (both in the Top 5 nationally last year), and the beloved Club President Bruce Reznick (no slouch himself) will discuss techniques for answering questions on the Putnam contest, held this year on Dec. 2. One extra problem solved generally results in a factor of two difference in the final rank. If you are taking the Putnam, or if you like to see cunning solutions to absurd problems, show up. Free refreshments.

## Ten Down and...

# Tankmen Go For Twelve

by Bob Kieckhefer

The water polo team came close to winning another game last Thursday, but Chapman College managed to hang on to a 9-5 victory. The night before the tankmen lost to Pomona-Pitzer, 9-3.

The Chapman game was close and hard-fought, with five swimmers from each team fouling out before the final gun. Unfortunately Chapman's substitutes were more experienced than Tech's and they were able to preserve the victory.

## Throw Caution to the Wind

Chapman got on the scoreboard in the first period on a field goal, and second-period penalty shot scores by both teams made the score 2-1 at halftime. Tech continued to play hard in the second half, but Chapman maintained its leads as a few bad breaks nullified apparent Tech goals.

With two minutes remaining in the game, Chapman held a 6-4 lead and the Techers were forced to gamble to try to tie the score. The aggressive tactics backfired, however, as Chapman swam hard to score three goals

and post a 9-5 win. Howard Bubb and Russ Desiderio scored two goals apiece for Tech, while Dave Clark got the other score in the losing effort.

## Throw in the Towel


The game the night before was disastrous, as Pomona jumped to a 4-0 first-quarter lead. The Techers swam well after this, but the four-goal deficit was too great to overcome.

Bubb put Tech on the scoreboard with a second-period goal, making the score 5-1 at half-time. Desiderio got two goals in the second half, but two penalty shot scores helped Pomona get the 9-5 victory. One bright note on the otherwise distressing night was the Caltech's frosh team tied Pomona's second string, 2-2, following the varsity game.

## Throw in the Ref

In other water polo action last week, Fleming beat Page, 4-2, in Discobolus competition Saturday morning. Carl Melius, in his last water polo appearance before receiving his Ph.D., was praised by both teams for doing an excellent job as a referee.

Last night the varsity tankmen played host to Redlands and wound up on the short end of a 7-2 score. The water polo players will wring out their suits for the final time on Saturday morning at Occidental.



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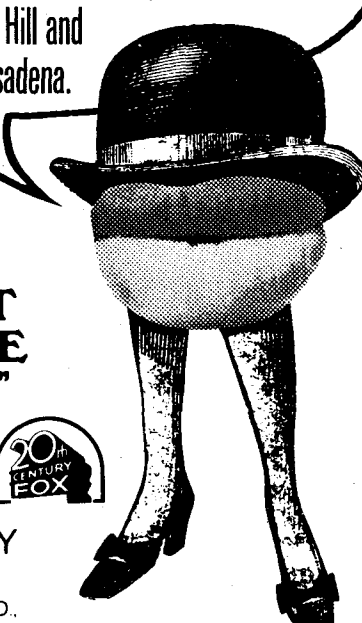
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## Rogers Leads Scoring Again

by Bob Kieckhefer

Last Wednesday's loss to Occidental marked the end of a building year for the Caltech soccer team. Coached by Dan Cameron, the booters managed to record only one victory in fourteen games, as Redlands was defeated 2-0 on October 11.

Captain John Rogers, a senior, was the team's leading scorer for the second year in a row. Other graduating players are Charlie Young, Tony Chan, Dave Evans, and Jan Waluk.

Is Soccer Scurvy?

Although these seniors will be missed, this year's team had

many frosh players who will form the nucleus of stronger teams in future years. John Dilles, Sergio Salzberg, Steve Burrus, Alan Saul, and Tom Lawler played well all season and are representatives of the finest group of soccer-playing frosh to come to Tech in many years.

Although their record was unimpressive, the booters played in many close games. Many times a near-perfect performance in one half would be wiped out by sloppy play in the other half. Hopefully the team will be able to play more consistently in the 1973 season.

## Colorful UCR Downs

by Bob Kieckhefer

The 1972 football season ended last Saturday at UC Riverside, as Caltech lost to the UCR Jayvees, 23-0. The Beavers finished with a 0-5 record this year, making the frosh wait a year to witness a Lake-and-Del Mar conflagration.

Steve Bisset again led the team on offense, picking up 67 yards in 24 carries. Quarterback Bob Bales, returning to the lineup after a three-week absence, picked up 27 yards rushing but failed to complete a pass.

Wait 'Till Next Year!

UCR's drives were sparked by a few large gains, as they capitalized on weaknesses in the Tech defense. Most of the Tech team is young, however, and coach Gutman hopes to correct these weaknesses in future years.

The members of the team (plus the spectators!) would like

to thank the song girls for adding some cheer to a rather gloomy season. The next round of Caltech football will begin next September - see you all then!

**UC Riverside .. 10 0 13 0 - 23**  
**Caltech ..... 0 0 0 0 - 0**

UCR - White 53 pass from Brown (Green kick)  
UCR - Green 20 FG  
UCR - Black 28 run (kick failed)  
UCR - Brown 11 run (Green kick)

	CIT	UCR
First downs .....	10	13
Total yards .....	113	354
Passing .....	0	135
Rushing .....	113	219
Passes attempted .....	13	12
Completed .....	0	4
Intercepted .....	2	1
Penalties .....	4	8
Yards penalized .....	20	94

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# Griffin Goes to Kansas City

Running over a muddy course in rain, Greg Griffin finished a strong ninth in the NAIA District Championships in Fresno last Saturday. Griffin, who defeated many of last year's placers, was the first Beaver runner to place in the top ten in the last four years.

Griffin's time for the five-mile park course was 25:19. The 5:04-per-mile average was another outstanding performance in a series of personal bests for the Caltech sophomore.

The Caltech team finished in ninth place for its highest finish in years. The meet winner

was Oxy with 23 points. Caltech in ninth place scored 224.

The Caltech scorers in addition to Griffin were: Scott Matthews in 44th place at 28:10, Al Kleinsasser in 52nd place at 29:36, Ralph Hayward in 58th at 30:35, and Tom Herman in 61st at 31:38. Erik Horsley rounded out the Caltech competitors.

Griffin will now represent Caltech in the National Championships at Kansas City on Saturday. Griffin, who was ill during the week, ran his most impressive performance to date. His time at one mile was 4:46, at two miles was 9:53, and at four

miles he was timed in 20:30. By running the last mile in 4:49, Griffin passed three competitors.

Coach LaBrucherie praised the entire team for their efforts in the District Championships. He said that Griffin has improved each week and when coupled with not only this season's hard work but his years of running, the result has been outstanding performances.

This was the last meet of the season for the team, except for Griffin in the Nationals. The team did much better than pre-season predictions indicated, and all of the Caltech runners will return next year.

## Abbr. Sp. Mu.

Saturday, November 18			
10:00 a.m.	Water Polo	Occidental	Away
	Cross Country	NAIA Nationals	at Kansas City
Saturday, December 2			
6:00 p.m.	Wrestling	Azusa Pacific & Biola	at Biola
6:30 p.m.	JV Basketball	LIFE College	Home
8:15 p.m.	Varsity Basketball	LIFE College	Home

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